

Part A - Project summary

A.1 Project Identification

Acronym	Right to Repair		
Title	From cradle to the planet, unleash local material and human potentials to face global urgencies		
Project Number	UIA05-257		
(Main) Urban Authority	Mulhouse Alsace Agglomeration (m2A)		
ERDF rate	80 %		
Project Duration	Start Date	01/07/2020	
	End Date	30/06/2023	
	Total Months	36	
Topic	Circular economy		

A.2 Project summary

Description	<p>Can the territory innovate on its own scale when faced with global emergencies and influence disruptions that transcend its borders? As an innovative approach to circular economy with triple impact, Right to Repair (RtR) repairs objects, people and land, combating rapid obsolescence and making technological innovation available for all. As the birthplace of Manufacturing in France, in decline for over 40 years, Mulhouse epitomises the ills of an economic, industrial and social model struggling to reinvent itself. The innovation of the RtR project lies in exploiting unused resource deposits (hidden talents, materials) to test RtR prototypes based on best practices, before scaling up using new business models and methods to build common goods. This approach enables economy to relocate and provides people with sustainable value-creating activities. This project blends the skills of external RtR pioneers with the might of key local players. Dedicated structures will be created and developed beyond the three year period: an adaptive RtR steering body, a Materials Lab, a RtR Factory, a RtR Academy, a RtR House, Net-ups, a Talent Hostel, in situ facilities in poor districts or in the water canals. This pilot will be replicated in other regions, relying on a roving team and an Open Source documentation process. A demonstration program will disseminate RtR among general audiences. Ultimately, Mulhouse becomes a new "French Manchester" and RtR a shared culture common to a broad public.</p>
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Partner		ERDF co-financing		Contribution			Total	
Partner	Country	EUR	ERDF rate	Public	Private	Total	Budget	% of project budget
PP 1 - Mulhouse Alsace Agglomeration (m2A)	FR	915,279.92	80.00 %	228,819.98	0.00	228,819.98	1,144,099.90	18.31 %
PP 2 - City of Mulhouse	FR	7,999.40	80.00 %	1,999.85	0.00	1,999.85	9,999.25	0.16 %
PP 3 - Motoco&co	FR	1,046,799.64	80.00 %	0.00	261,699.91	261,699.91	1,308,499.55	20.94 %
PP 4 - RiR	FR	1,448,399.88	80.00 %	0.00	362,099.97	362,099.97	1,810,499.85	28.98 %
PP 5 - Openfab	FR	144,000.00	80.00 %	0.00	36,000.00	36,000.00	180,000.00	2.88 %
PP 6 - Technistub	FR	84,000.32	80.00 %	0.00	21,000.08	21,000.08	105,000.40	1.68 %
PP 7 - Industrial Society of Mulhouse	FR	36,000.04	80.00 %	0.00	9,000.01	9,000.01	45,000.05	0.72 %
PP 8 - EES Clemessy	FR	23,999.12	80.00 %	0.00	5,999.78	5,999.78	29,998.90	0.48 %
PP 9 - Grand-Est Region	FR	59,999.64	80.00 %	14,999.91	0.00	14,999.91	74,999.55	1.20 %
PP 10 - Manufactory Incubator	FR	245,401.20	80.00 %	61,350.30	0.00	61,350.30	306,751.50	4.91 %
PP 11 - E-nov Campus	FR	107,999.72	80.00 %	0.00	26,999.93	26,999.93	134,999.65	2.16 %
PP 12 - Art and matter	FR	24,000.00	80.00 %	0.00	6,000.00	6,000.00	30,000.00	0.48 %
PP 13 - Jacob Holm Industry France	FR	23,999.84	80.00 %	0.00	5,999.96	5,999.96	29,999.80	0.48 %
PP 14 - H2OPE	FR	35,999.60	80.00 %	0.00	8,999.90	8,999.90	44,999.50	0.72 %
PP 15 - Makeme	FR	564,400.00	80.00 %	0.00	141,100.00	141,100.00	705,500.00	11.29 %
PP 16 - Time for the Planet	FR	125,401.20	80.00 %	0.00	31,350.30	31,350.30	156,751.50	2.51 %
PP 17 - Sémaphore Mulhouse Sud Alsace	FR	7,999.40	80.00 %	1,999.85	0.00	1,999.85	9,999.25	0.16 %
PP 18 - TUBA Mulhouse South Alsace	FR	4,799.64	80.00 %	1,199.91	0.00	1,199.91	5,999.55	0.10 %
PP 19 - CETIM Grand-Est	FR	59,999.76	80.00 %	14,999.94	0.00	14,999.94	74,999.70	1.20 %
PP 20 - MICA Carnot Institute	FR	32,000.36	80.00 %	8,000.09	0.00	8,000.09	40,000.45	0.64 %
Total (€)		4,998,478.68	80.00 %	333,369.83	916,249.84	1,249,619.67	6,248,098.35	100.00 %

Part B - Partnership

Relevance of the Partnership

The partnership includes a main urban authority (m2A), an associated urban authority (City of Mulhouse) and 18 delivery partners including RtR, created for project management and Motoco&co, project demonstrator within the creative ecosystem. Priority resources are identified by m2A, Art and matter, local recycling, and Jacob Holm, woven fabrics manufacturer. The resources' processing will be examined by OpenFab, entrepreneurs (CETIM) and a Research centre (MICA). Prototyping will be performed by local makers (Technistub), and from elsewhere (Makeme) and enhanced by the engineering company Clemessy. Hidden talents will be integrated by Sémaphore and the TUBA incubator. Manufactory and Time for the planet will manage the scaling up of actions with Enov Campus. A first virtuous cycle will be started with H2OPE and implemented on a larger scale (Region Grand Est). The SIM will share impacts at EU level. Spin-offs and the diffusion of a RtR culture will be carried out by a roving team.

B.1 - (Main) Urban Authority

Organisation name (Original)	Mulhouse Alsace Agglomération (m2A)				
Organisation name (English)	Mulhouse Alsace Agglomeration (m2A)				
Member state	FRANCE				
Number of inhabitants	275,000				
Comments, if necessary	The 39 member municipalities of the m2A are: • Mulhouse • Baldersheim • Bantzenheim • Battenheim • Berrwiller • Bollwiller • Bruebach • Brunstatt-Didenheim • Chalampé • Dietwiller • Eschentzwiller • Feldkirch • Flaxlanden • Galfingen • Habsheim • Heimsbrunn • Homburg • Illzach • Kingersheim • Lutterbach • Morschwiller-le-Bas • Mulhouse • Niffer • Ottmarsheim • Petit-Landau • Pfastatt • Pulversheim • Reiningue • Richwiller • Riedisheim • Rixheim • Ruelisheim • Sausheim • Staffelfelden • Steinbrunn-le-Bas • Ungersheim • Wittelsheim • Wittenheim • Zillisheim • Zimmersheim				
Department(s)/unit(s)/division(s) concerned	Economic development , Innovation and Higher Education Department, Economic activity area: Julien Fraysse, project manager, prospecting and hosting companies and project leaders on DMC brownfield, referent for UIARtR application Mobility and Transport Departement: Christophe Wolf, Director				
Address	Street	2 rue Pierre et Marie Curie	Contact Person	Position	Project Manager
	Post Code	68948		Title	Mr
	Town	Mulhouse		Forename	Julien
	NUTS 2	Alsace		Surname	Fraysse
	NUTS 3	Haut-Rhin		Email Address	Julien.Fraysse@mulhouse-alsace.fr
				Phone Number	+33 369 776 784
Legal representative	Position	President			
	Title	Mr			
	Forename	Fabian			
	Surname	Jordan			
	Email Address	fabian.jordan@mulhouse-alsace.fr			
Phone Number	+33	389 337 979			
Legal status of the organisation	Public	Partner type	Local public authority		
VAT number	FR 3 B 2000 66 009				
VAT recoverable	Partly				
Involvement in the design phase	Elaboration of working documents, on the use of a vehicle to prototype (between the book of inspirations and the specifications) For the design of other objects designed on the RtR model, put in touch with the companies of the territory to promote the industrialization of showcase projects, mobilization of the academic ecosystem and collaborative projects (operational components in Cluster materials), supported by the urban authority.				
Involvement in the implementation phase	<ul style="list-style-type: none"> - Scope of experiments on the different products that can be broadcast in phase 1 on public space, including vehicle / mobility solution: duration, targets, scope, questionnaires, participatory workshops. Development of the experiment report - Contribution to an entrepreneurial community: orientation of the project leaders towards RtR, continuous mobilization of the industrial and academic ecosystem already mobilized by the urban authority and the region for five years (Campus Industry 4.0) - Mobilization of the "Third Places" (Tiers-Lieux financed by m2A (Technistub, Tuba, Technopole) to support the emergence of hidden talents 				
Competences and experiences in relation to the challenge addressed?	Economic development and mobility skills are recognized in the agglomerations by French law. The transversal work between m2A's 2 services has been tested in structuring projects for several years (eg autonomous vehicle project in the DMC business area). This organization makes it possible to exchange between the providers of RtR (market-push) solutions and the capacity of urban sites to welcome new qualitative prospects for the territory (infrastructure-pull).				
Experience in participating in and/or managing EU co-financed projects or other international projects.	<ul style="list-style-type: none"> - UIA "DMC Discovery in Movement for Citizen Sustainable Food : 2018/2019 : lead partner: application not selected - DMC Urban rehabilitation (TI - FEDER 2014-2020): Lead partner - IBA 2020 DMC Neighborhood Development Project (INTERREG) 2008-2016: Lead partner - Upper Rhine 4.0 (INTERREG) Trinational skills network for the factory of the future: associate partner - Member of the French KIC Mobility node with Eurométropole de Strasbourg and Future Vehicle Pole: associate partner 				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
915,279.92	80.00 %	228,819.98	0.00	228,819.98	1,144,099.90

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	20,000.00	0.00	0.00	0.00	0.00	20,000.00
WP 2	7,826.00	1,173.90	0.00	0.00	0.00	0.00	8,999.90	0.00	8,999.90
WP 3	0.00	0.00	0.00	60,000.00	0.00	0.00	60,000.00	0.00	60,000.00
WP 4	42,696.00	6,404.40	0.00	0.00	0.00	0.00	49,100.40	0.00	49,100.40
WP 5	31,304.00	4,695.60	10,000.00	0.00	0.00	0.00	45,999.60	0.00	45,999.60
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	20,000.00	0.00	925,000.00	945,000.00	0.00	945,000.00
WP 9	0.00	0.00	0.00	15,000.00	0.00	0.00	0.00	0.00	15,000.00
Total (€)	81,826.00	12,273.90	10,000.00	115,000.00	0.00	925,000.00	1,144,099.90	0.00	1,144,099.90
% of total budget	7.15 %	1.07 %	0.87 %	10.05 %	0.00 %	80.85 %	100.00 %	0.00 %	100.00 %

B.2 - Associated Urban Authority (Partner 2)

Organisation name (Original)	Ville de Mulhouse				
Organisation name (English)	City of Mulhouse				
Member state	FRANCE				
Number of inhabitants	112,810				
Comments, if necessary					
Department(s)/unit(s)/division(s) concerned	The City of Mulhouse includes a specific General Directorate entitled "Social and Territorial Cohesion Pole", which includes the following services: Social Action, Social Life, City Politics and Participative Democracy, Health and Socio-Cultural Centers. With its transversal way of work, it will contribute to identification, mobilization of HITAs and their upgrading skills through individual and collective actions. Person concerned: Olivia Codacianni, Deputy General Director				
Address	Street	Pierre et Marie Curie	Contact Person	Position	Deputy Mayor
	Post Code	68948		Title	Ms
	Town	Mulhouse		Forename	Cécile
	NUTS 2	Alsace		Surname	Somin
	NUTS 3	Haut-Rhin		Email Address	cecile.somin@mulhouse-alsace.fr
				Phone Number	+33 389 325 894
Legal representative	Position	Mayor			
	Title	Ms			
	Forename	Michèle			
	Surname	Lutz			
	Email Address	michele.lutz@mulhouse-alsace.fr			
	Phone Number	+33 389 325 858			
Legal status of the organisation	Public	Partner type	Local public authority		
VAT number	FRAX216 802 249				
VAT recoverable	No				
Involvement in the design phase	The City of Mulhouse has already been involved in meetings dedicated to design of the RtR project and to drafting of the WPs, in particular : involvement in the drafting of WP3 for citizen awareness and communication aspects, and of WP7 dealing with HITa mobilization. Subsequently, the City will sit in RtR Association (steering body) with voting rights and will take part in technical meetings and in dedicated working groups.				
Involvement in the implementation phase	In WP 3 and WP 7: - Financial and technical participation in the implementation for emergence of talents section (WP3), through engineering support in the organization of events and awareness campaigns in city's politics priority neighborhoods towards Withdrawn from Employment and Training Public (NEET) - Evangelization actions carried out in cooperation between the City and operational structures we are supporting in the social field. The objective is to facilitate the concrete appropriation of RtR project by HITAs, especially in city's politics priority neighborhoods, to make RtR a real opportunity of social and economic resiliation.				
Competences and experiences in relation to the challenge addressed?	To face the challenges of social inclusion, the City has put in place a contract based on 3 pillars: urban renewal, social cohesion and economic development. Co-responsibility is a part of its DNA and therefore of its programs co-built with inhabitants: Volunteer program, MulhouseCestVous, Multiparty social contract, Courts Circuits, CitiesLab... etc.. City's support for RtR project reflects its strong desire to strengthen the contract's third pillar.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	The City has a strong experience in European projects through : Horizon2020, INTERREG, FEDER, FSE Innovative Microprojects. In the frame of ERDF it participates in management of Mulhouse Agglomeration Integrated Territorial Investment and City of Mulhouse belongs to pilot regions for selection of the European projects proposed in this context: social support of non-European audiences, extension of Food Bank 68 premises, solidarity grocery, organic and local vegetable insertion shop.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
7,999.40	80.00 %	1,999.85	0.00	1,999.85	9,999.25

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	8,695.00	1,304.25	0.00	0.00	0.00	0.00	9,999.25	0.00	9,999.25
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	8,695.00	1,304.25	0.00	0.00	0.00	0.00	9,999.25	0.00	9,999.25
% of total budget	86.96 %	13.04 %	0.00 %	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 3)

Organisation name (Original)	Motoco&co				
Organisation name (English)	Motoco&co				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Motoco&co is the company managing Motoco project which is an artistic ecosystem located in a building of 9000 sqm in the heart of DMC industrial wasteland: a residence of 140 artists and designers from various nationalities, expertise centers in visual arts (image, serigraphy...), the incubator of the School of Fine Arts in Mulhouse, and an event activity. In 2012 Motoco was a transient urban development project. Today Motoco has anchored its creative activity in a context of financial autonomy.				
Address	Street	13 Rue de Pfastatt	Contact Person	Position	President
	Post Code	68200		Title	Ms
	Town	Mulhouse		Forename	Martine
	NUTS 2	Alsace		Surname	Zussy
	NUTS 3	Haut-Rhin		Email Address	Martine@motoco.fr
			Phone Number	+33	636 566 098
Legal representative	Position	President			
	Title	Ms			
	Forename	Martine			
	Surname	Zussy			
	Email Address	Martine@motoco.fr			
	Phone Number	+33	636 566 098		
Legal status of the organisation	Private	Partner type	SME		
VAT number	FR29837574086				
VAT recoverable	Yes				
Involvement in the design phase	Motoco&co initiated the project thanks to its involvement in the territory, its central role in the development of DMC site/wasteland, its connections outside the territory in various experiments, and thanks to its IBA2020 certification. Motoco&Co has brought together the precursors of the territory to co-build with them the creation phases of RtR project.				
Involvement in the implementation phase	Motoco&co will provide some of its surfaces and will integrate the project into the heart of its artistic community. The project is a continuation of the development of the Motoco business and its opportunities to create artistic and technological value for the benefit of common good. Motoco is a small-scale demonstrator of common goods' creation in an economic context and will put its experience at the service of the RtR project. Motoco&Co will also manage the RtR factory and the prototyping ecosystem that will work there.				
Competences and experiences in relation to the challenge addressed?	Motoco has begun DMC wasteland's transition since 2012 with a creative community of 140 artists and craftsmen. Since 2018, the transient urbanism project has been transformed into an economy creating cultural and social value, in financial autonomy, while maintaining its strong links with the territory. Beyond this demonstrator of virtuous transformation, Motoco has many skills of design, technology and event management that will offer unique advantages in terms of communication and outreach.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	Motoco&co is labeled IBA2020 and has therefore been followed throughout its transition process and first DMC development project since its appointment 3 years ago. Motoco&co will also be very involved next year in all communication planned at European level by IBA BASEL 2020. Motoco realized also the URBAN ENERGIES project in 2015, supported by ESF whose aim was to manufacture urban energy-producing street furniture with young dropouts.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
1,046,799.64	80.00 %	0.00	261,699.91	261,699.91	1,308,499.55

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	39,130.00	5,869.50	0.00	48,000.00	0.00	0.00	92,999.50	0.00	92,999.50
WP 4	176,087.00	26,413.05	0.00	17,000.00	40,000.00	0.00	259,500.05	0.00	259,500.05
WP 5	0.00	0.00	0.00	210,000.00	416,000.00	0.00	626,000.00	0.00	626,000.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	30,000.00	300,000.00	0.00	330,000.00	0.00	330,000.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	215,217.00	32,282.55	0.00	305,000.00	756,000.00	0.00	1,308,499.55	0.00	1,308,499.55
% of total budget	16.45 %	2.47 %	0.00 %	23.31 %	57.78 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 4)

Organisation name (Original)	RtR Association				
Organisation name (English)	RtR				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	RtR Association aims to promote and implement the Right to Repair (RtR) - a circular economy approach that repairs objects, people and territory – at the territorial level. It drives the experimentation of RtR on the territory with the urban authority, strategy, partnerships, implementation and support. Direction: T. Nghiem (RtR leader), M. Zussy (Mototo&Co), E. Lecq (IP lawyer) Founding members: Manufactory, Time for the Planet, MakeMe and G. Sinnig (Aix-Marseille Education Authority),				
Address	Street	13 Rue de Pfastatt	Contact Person	Position	General secretary
	Post Code	68100		Title	Ms
	Town	Mulhouse		Forename	Elisabeth
	NUTS 2	Alsace		Surname	Lecq
	NUTS 3	Haut-Rhin		Email Address	lecqelisabeth@gmail.com
Legal representative	Phone Number	+33	659 311 569		
	Position	President			
	Title	Ms			
	Forename	Martine			
	Surname	Zussy			
Email Address	martine@motoco.fr				
Phone Number	+33	636 566 098			
Legal status of the organisation	Private	Partner type	Interest groups including NGOs		
VAT number	If applicable				
VAT recoverable	Yes				
Involvement in the design phase	RtR Association sets with the urban authority the project guidelines, organizes meetings with partners to define with them contributions, deliverables and budgets. In connection with its network of international experts, it identifies best practices. It ensures coherence and realism of the actions to be undertaken. It sets the work program and schedule. It coordinates the project and provides the partners with the team spirit it needs to fulfill the mission.				
Involvement in the implementation phase	RtR Association ensures the operational implementation of the project and reporting to the urban authority as mentioned in WP2. It ensures the proper coordination of all the partners on each WP, but also between the partners and the flying team. It ensures the proper execution of the actions referred to in the WPs and the production of all deliverables. It monitors best practices in relation to its network of international experts and helps to set up partnerships. It thus intervenes in all WPs.				
Competences and experiences in relation to the challenge addressed?	The Direction and the founding members of RtR Association support the experimentation of RtR on the territory, by mobilizing all their knowledge and skills. They are local and national, and form a multidisciplinary collective endowed with all skills necessary for its success (strategic vision, management, entrepreneurship, financing, legal, network, technology watch). They have the experience of teamwork, agile and creative, to meet the imperatives of the experimentation.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	RtR Association is created to lead this first pilot project, since the experimentation involves to have a fast pilot organ, agile and committed. It is part of a medium-term vision, beyond the three-year period reserved for experimentation. At this stage the Association has no experience in EU projects, but its founding members below have participated in the following projects: Martine Zussy: IBA2020 (leader), Manufactory: European University (leader), Guy Sinnig: LETSTEAM (leader) see C.2.2.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
1,448,399.88	80.00 %	0.00	362,099.97	362,099.97	1,810,499.85

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	352,174.00	52,826.10	75,000.00	0.00	0.00	0.00	480,000.10	0.00	480,000.10
WP 3	0.00	0.00	30,000.00	130,000.00	32,500.00	0.00	192,500.00	0.00	192,500.00
WP 4	117,391.00	17,608.65	0.00	35,000.00	135,000.00	0.00	304,999.65	0.00	304,999.65
WP 5	0.00	0.00	61,000.00	236,000.00	0.00	0.00	297,000.00	0.00	297,000.00
WP 6	97,826.00	14,673.90	0.00	0.00	50,000.00	0.00	162,499.90	0.00	162,499.90
WP 7	254,348.00	38,152.20	20,000.00	61,000.00	0.00	0.00	373,500.20	0.00	373,500.20
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	821,739.00	123,260.85	186,000.00	462,000.00	217,500.00	0.00	1,810,499.85	0.00	1,810,499.85
% of total budget	45.39 %	6.81 %	10.27 %	25.52 %	12.01 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 5)

Organisation name (Original)	Openfab				
Organisation name (English)	Openfab				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Association dedicated to research, design and implementation of educational and artistic projects and more generally dedicated to design. It has a technical platform especially for experimentation and design in flexible materials. Through the multidisciplinary of its members, Openfab proposes to provide a panel of skills useful for research on materials and prototyping. Members involved: Nathalie Methia and Simon Burckhalter (below)				
Address	Street	13 rue de Pfastatt	Contact Person	Position	Maker
	Post Code	68200		Title	Mr
	Town	Mulhouse		Forename	Simon
	NUTS 2	Alsace		Surname	Burckhalter
	NUTS 3	Haut-Rhin		Email Address	simon.burckhalter@hyperwerk.ch
Legal representative	Phone Number	+33 604 402 160			
	Position	President			
	Title	Ms			
	Forename	Nathalie			
	Surname	Methia			
Email Address	nathalie.methia@gmail.com				
Legal status of the organisation	Private	Partner type	Interest groups including NGOs		
VAT number	If applicable				
VAT recoverable	No				
Involvement in the design phase	Openfab's involvement will focus on materials (WP4), in relation with its expertise: - analysis of technical resources available for the project, - sharing know-how, skills and local technical resources with stakeholders, - integration in the project of the technical platform (The Little Manchester) in soft materials, of its knowledges and current advances in perspective of RfR prototyping, - connection with the Carnot Mca Institute and CETIM for materials research.				
Involvement in the implementation phase	In WP4, Openfab will participate in the creation and implementation of the materials laboratory, also in the creation of new materials and the dismantling of reusable manufacturing waste. It will share complementary technical resources to those deployed by Motoco. Specific workshops on soft materials will be organized. Openfab will conduct research on the application of flexible material and recycled materials in the different stages of RfR prototyping and production (WP5).				
Competences and experiences in relation to the challenge addressed?	Openfab, with its own technical platform dedicated to soft materials (The Little Manchester) has a competence in the implementation of flexible materials that can meet specific needs of the project. Generally, Openfab brings together specific skills in design, pedagogy in education, technical materials, recycling, manufacturing (rapid prototyping), thanks to the multidisciplinary of its members who will contribute to the project.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	Openfab has no particular experience in managing European or international projects				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
144,000.00	80.00 %	0.00	36,000.00	36,000.00	180,000.00



Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	90,000.00	0.00	0.00	90,000.00	0.00	90,000.00
WP 5	0.00	0.00	0.00	90,000.00	0.00	0.00	90,000.00	0.00	90,000.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	0.00	0.00	0.00	180,000.00	0.00	0.00	180,000.00	0.00	180,000.00
% of total budget	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 6)

Organisation name (Original)	Technistub				
Organisation name (English)	Technistub				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Technistub is a fablab: an associative laboratory-workshop pooling various technical means useful for the realization of projects of technical, technological or artisanal nature in a spirit of knowledge sharing. The objective of this platform is to allow project holders who have a lack of space or are insufficiently equipped, to test and carry out their ideas / prototypes. The key is the sharing of 3 essential resources: a place, machines & a learning community.				
Address	Street	2 rue des Flandres	Contact Person	Position	President
	Post Code	68100		Title	Mr
	Town	Mulhouse		Forename	Stéphane
	NUTS 2	Alsace		Surname	Laborde
	NUTS 3	Haut-Rhin		Email Address	stephane@technistub.org
Legal representative	Position	President	Phone Number	+33 663 874 176	
	Title	Mr			
	Forename	Stéphane			
	Surname	Laborde			
	Email Address	stephane@technistub.org			
Legal status of the organisation	Private	Partner type	Interest groups including NGOs		
VAT number	FR82 802964536				
VAT recoverable	No				
Involvement in the design phase	<ul style="list-style-type: none"> - Participation in meetings between partners to define objectives and actions with outputs of WP5, and foster collaboration between partners - Mobilization of the Technistub makers' community to participate in learning trips outside the territory - Participation in the design and layout of the prototyping space - Insertion of the RtR approach in the design of the 2021 edition of Makerfight 				
Involvement in the implementation phase	<p>In the WP5:</p> <ul style="list-style-type: none"> - Creation of new mobility solutions, new products/ services with sensor integration, according to previously defined priorities - Prototyping assistance by experimenting with open source design / manufacturing with young HITAs - Organization of creative workshops, design of robots for the HITAs for their participation in the annual general public event (Makerfight - robotics tournament with robot fights); the playful approach makes it easier to attract HITAs in places of creation, to do oneself and to share knowledge. - Participation in the organization of seminars within the RtR Factory 				
Competences and experiences in relation to the challenge addressed?	The fablab Technistub promotes the appropriation of technologies by doing it yourself. Each member has the opportunity to get help from community members in our lab. As Fablab, Technistub will be the local backbone for the technical part and the involvement of the makers's community. We will accompany the HITAs in the expression of their talent and their ideas, and help them in the realization (prototyping assistance) of their project.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	Technistub has no particular experience in European project management.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
84,000.32	80.00 %	0.00	21,000.08	21,000.08	105,000.40

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 5	58,696.00	8,804.40	0.00	37,500.00	0.00	0.00	105,000.40	0.00	105,000.40
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	58,696.00	8,804.40	0.00	37,500.00	0.00	0.00	105,000.40	0.00	105,000.40
% of total budget	55.90 %	8.39 %	0.00 %	35.71 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 7)

Organisation name (Original)	Société industrielle de Mulhouse (SIM)				
Organisation name (English)	Industrial Society of Mulhouse				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Founded in 1826 by the industrialists of Mulhouse, the SIM is a kind of think-tank with this target: advancement of industry in Mulhouse. The SIM brings together entrepreneurs around three axes: - Business Network: to know each other, to recognize each other and to build together - Industrial DNA: promote the attractiveness of the territory on a European scale from this DNA - Event: make the territory shine and create a dynamic between industrialists and economic actors				
Address	Street	10 rue de la Bourse	Contact Person	Position	Animation & development manager
	Post Code	68100		Title	Ms
	Town	Mulhouse		Forename	Natacha
	NUTS 2	Alsace		Surname	Pimmel
	NUTS 3	Haut-Rhin		Email Address	natacha.pimmel@sim.asso.fr
Legal representative	Position	President	Phone Number	+33 368 878 958	
	Title	Mr			
	Forename	Luc			
	Surname	Gaillet			
	Email Address	lrgaillet@gmail.com			
Legal status of the organisation	Private	Partner type	Interest groups including NGOs		
VAT number	FR4639524229000017				
VAT recoverable	No				
Involvement in the design phase	The SIM participates in project's construction meetings. With its local approach and knowledge of the automotive market, it is able to usefully steer the construction of the project. The SIM helped to find key industrial partners to support the project in coherence with the territory and its needs. With the program "Innovative red brick cities", it offers a spin-off opportunity in other EU territories, specifically in the cities of the 1st industrial revolution - www.redbrickcities.org				
Involvement in the implementation phase	The SIM - through its members and partners - will participate in the anchoring of the Net-ups and economic results on the territory (WP6). It will be actively involved in the scaling from prototyping to industrialization, that means it will study business projects, support fundraising and search for stakeholders. It will provide its networking expertise with entrepreneurs. It will participate in the organization of the immersion trips in European post-industrial transforming cities, with a view to sharing best practices (WP5).				
Competences and experiences in relation to the challenge addressed?	<ul style="list-style-type: none"> - In-depth knowledge of the local economic fabric and the industrial sector - Networking entrepreneurs of the territory - At the heart of a network of European cities of the 1st industrial revolution in transformation with wasteland rehabilitation's problematic and new value creation 				
Experience in participating in and/or managing EU co-financed projects or other international projects.	<ul style="list-style-type: none"> - "Innovative red brick cities": the SIM drives and pilots the European network of post-industrial cities - The SIM is involved in the INTERREG UPER REIN project with the CCI (Chamber of commerce and industry) Grand Est and BASEL AREA (Economic development agency of Basel) for the emergence of a collaborative industry in the upper Rhine area. - The SIM also actively collaborates with international relations department of m2A to welcome European delegations 				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
36,000.04	80.00 %	0.00	9,000.01	9,000.01	45,000.05

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 5	26,087.00	3,913.05	15,000.00	0.00	0.00	0.00	45,000.05	0.00	45,000.05
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	26,087.00	3,913.05	15,000.00	0.00	0.00	0.00	45,000.05	0.00	45,000.05
% of total budget	57.97 %	8.70 %	33.33 %	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 8)

Organisation name (Original)	Eiffage Energie Systèmes Clemessy				
Organisation name (English)	EES Clemessy				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Subsidiary company of the Eiffage Group specialized in services to industry in the fields of mechanical and electrical engineering. Staff: 4000 employees, turnover 750 M€. Ability to deliver turnkey all projects types with high performance solutions and to maintain them. Bring the expertise of business lines and skills in project organization, involving project managers, engineers specialized in mechanics and electricity, specialists in testing, design of test benches and control command.				
Address	Street	18 Rue de Thann	Contact Person	Position	Technical director
	Post Code	68057		Title	Mr
	Town	Mulhouse		Forename	Alfred
	NUTS 2	Alsace		Surname	Jung
	NUTS 3	Haut-Rhin		Email Address	ajung@eiffage.com
			Phone Number	+33	680 348 977
Legal representative	Position	General Director			
	Title	Mr			
	Forename	Pierre			
	Surname	Guillemot			
	Email Address	p.guillemot@eiffage.com			
	Phone Number	+33	389 323 232		
Legal status of the organisation	Private	Partner type	Enterprise		
VAT number	FR21945752137				
VAT recoverable	Yes				
Involvement in the design phase	EES Clemessy brings its skills in project management, methods, planning, and QSE (Quality Security Environnement) aspects. It also contributed to the design of subassemblies and provide technical support to multidisciplinary teams. The enterprise has 3D modeling and simulation tools to validate design in the fields of mechanics, electricity and control. Control of project's progress and follow-up of the actions will be monitored according to the AGILE method and using CBEYA tool.				
Involvement in the implementation phase	Our contribution and involvement: -Help in the definition of the project and specifications - Project management -Technical support, modeling and simulation. -Method for problem solving (TRISE) - Provision of skills in studies, in mechanical and electrical engineering, in industrialization. - Elaboration of the recipe books - Validation of the different phases of the project - Test plan - Provision of simulators and test equipment				
Competences and experiences in relation to the challenge addressed?	The automotive sector is a major focus of EES Clemessy's activity. Role: bring our organizational and technical support skills, so that the project will go beyond a simple model and produce exploitable and maintainable deliverables. Our skills : - industrialization of products - turnkey design and realization of line production to industrialize product manufacturing. - expertise to guide the design and to ensure the maintainability of equipment. - providing test and measurement benches.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	- HIGHPMAC: as project partner, we designed a simulator at scale 1 in order to test and qualify all the electrical circuits of an airplane. - Intelligent vehicle: as partner of VALEO, development of applications in the field of TMAS (Traffic Management Assistance System). Development of "TESTINVEW" with the Pole Vehicule du Futur (competitive automotive cluster, Mulhouse)(ERDF). It is a generic test bench for subassemblies and equipment for the automobile industry (PSA and RENAULT).				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
23,999.12	80.00 %	0.00	5,999.78	5,999.78	29,998.90

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	26,086.00	3,912.90	0.00	0.00	0.00	0.00	29,998.90	0.00	29,998.90
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	26,086.00	3,912.90	0.00	0.00	0.00	0.00	29,998.90	0.00	29,998.90
% of total budget	86.96 %	13.04 %	0.00 %	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 9)

Organisation name (Original)	Région Grand-Est				
Organisation name (English)	Grand-Est Region				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Ecological transition department will be in charge of following the project evolution, in order to generalize it to the level of the whole region, considering the fact that the ecological transition and new process of green economy has to be generalized. European and international relations' department will be in charge of monitoring the project and disseminating the results to European, cross border and international partners.				
Address	Street	1 place Adrien Zeller	Contact Person	Position	European relations' advisor of the President
	Post Code	67070		Title	Ms
	Town	Strasbourg		Forename	Romane
	NUTS 2	Alsace		Surname	Martin
	NUTS 3	Bas-Rhin		Email Address	Romane.martin@grandest.fr
			Phone Number	+33	388 156 539
Legal representative	Position	President			
	Title	Mr			
	Forename	Jean			
	Surname	Rottnr			
	Email Address	Jean.rottnr@grandest.fr			
	Phone Number	+33	388 156 867		
Legal status of the organisation	Public	Partner type	Regional public authority		
VAT number	If applicable				
VAT recoverable	No				
Involvement in the design phase	Region Grand est was involved in the elaboration of the RtR application. It brought its expertise in support of industrial sectors to a better transition to circular economy, sustainable development and employment.				
Involvement in the implementation phase	Region Grand Est will be involved in order to disseminate and extend the results of the projects addressed to ecological transition, industrial sectors and especially by making key actors working together. A specific focus will be concentrated on Industrial sectors: how to use this project to organize a better transition for a circular economy for industrial and automotive actors. Dissemination activities (WP5) will be facilitated thanks to the cross exchange of experiences among the 12 Regional "Houses" acting on Rural and Urban areas.				
Competences and experiences in relation to the challenge addressed?	Region Grand Est intervenes in terms of economics, innovation and research, jobs and vocational training, mobility and transportation, all essential levers for the implementation of the RtR project. The Region is coordinating the "Regional Scheme for Economic Development, Innovation and Internationalization", the "Regional Planning Contract for the Development of Training and Vocational Orientation" as well as the "Regional Scheme for Planning, Sustainable Development and Territorial Equality".				
Experience in participating in and/or managing EU co-financed projects or other international projects.	The Region Grand Est is acting as Managing Authority for all ERDF, ESF and EAFRD (1,3 Billion Euros) for the whole Grand Est territory as well as managing authority or associated authority for three INTERREG cross-border program (Upper-Rhine; Grande Region; France/Mallonia/Manderen). Our Regional Authority is acting as Project holder (Lead partner or partners) in many other EU projects financed by LIFE, ERASMUS, INTERREG Europe program properly implemented in the current and past periods.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
59,999.64	80.00 %	14,999.91	0.00	14,999.91	74,999.55

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 5	65,217.00	9,782.55	0.00	0.00	0.00	0.00	74,999.55	0.00	74,999.55
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	65,217.00	9,782.55	0.00	0.00	0.00	0.00	74,999.55	0.00	74,999.55
% of total budget	86.96 %	13.04 %	0.00 %	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 10)

Organisation name (Original)	Incubateur Manufactory				
Organisation name (English)	Manufactory Incubator				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Manufactory Incubator offers a free incubation service for student or young graduate project holders, as well as a tailor-made program for projects that have already benefited from incubation or linked to project promoters with more than 30 years. Incubator managers are involved in the project, mainly on WP6. Main contact: Ludovic Rérolle, Development Manager. Team: Pierre Poizat (Director) and Alexandre André (Incubation Manager).				
Address	Street	22 Rue du Professeur Rollet	Contact Person	Position	Development manager
	Post Code	69008		Title	Mr
	Town	Lyon		Forename	Ludovic
	NUTS 2	Rhône-Alpes		Surname	Rérolle
	NUTS 3	Rhône		Email Address	ludovic.rerolle@univ-lyon3.fr
			Phone Number	+33	663 316 707
Legal representative	Position	President			
	Title	Mr			
	Forename	Stéphane			
	Surname	Marion			
	Email Address	stephane.marion@univ-lyon3.fr			
	Phone Number	+33	620 304 157		
Legal status of the organisation	Private	Partner type	SME		
VAT number	FR45442646998				
VAT recoverable	Yes				
Involvement in the design phase	The implication in the design of the project lies in construction of the WP6. Manufactory has been associated since the beginning of the reflection with other founding members of Rtr project, especially for its know-how and feedback about transition to scale by entrepreneurship. Manufactory intervened in strategic thinking, coordination with other partners, and then contributed extensively to the writing of WP6 as co-initiator and co-leader of this one.				
Involvement in the implementation phase	It will participate in : - creation of Rtr Academy : transfer of its methodology and creation of a specific tool-box available on Rtr Platform - identify models and potential sources of value creation from the Rtr open source database (data collected in WP5 and 6) - conceptualizing, documenting and setting-up the Net-up approach and launch the model leveraging WP5 prototypes and contents. - creation of Rtr Incubator with transfer of its know-how to other partners involved in supporting entrepreneurs' journey and implementation of specific methodologies adapted to project holders' needs and ambitions.				
Competences and experiences in relation to the challenge addressed?	This project is fully in line with the ambitions of Manufactory, which is already involved in the "100% inclusion PIC project - Rtr1". We want to make widely available all the tools and pedagogical know-how we developed to support projects' holders. We are also laureate of French Tech Tremplin program, which consists of supporting entrepreneurs from diverse backgrounds that means regardless of socio economic backgrounds.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	Linked to Lyon 3 University, the incubator benefits from the entire network and feedback from collaborative projects. A European consortium including the university has just won the call 2019 "European University" of EU Commission. Manufactory will carry the WP5 "Entrepreneurial University and Regional Engagement". Recently, we have been mandated to design and implement a training in entrepreneurial accompaniment for Lybian university professors.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
245,401.20	80.00 %	61,350.30	0.00	61,350.30	306,751.50

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	3,000.00	0.00	0.00	0.00	3,000.00	0.00	3,000.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	107,610.00	16,141.50	30,000.00	150,000.00	0.00	0.00	303,751.50	0.00	303,751.50
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	107,610.00	16,141.50	33,000.00	150,000.00	0.00	0.00	306,751.50	0.00	306,751.50
% of total budget	35.08 %	5.26 %	10.76 %	48.90 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 11)

Organisation name (Original)	E-nov Campus				
Organisation name (English)	E-nov Campus				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Nonprofit association, created in 2011 for the purpose of training course (label : Grande Ecole du Numérique) and preincubation, with a focus on digital, and dedicated to support promising talents. It has a strong know-how in construction of new educational programs and in accompaniment of young people - often dropouts looking for a new path - in their professional project. This know-how will be put at the service of RtR project as part of the scaling up (WP6) through entrepreneurship.				
Address	Street	KMØ - 30 rue François Spoerry	Contact Person	Position	President
	Post Code	68100		Title	Mr
	Town	Mulhouse		Forename	Gérald
	NUTS 2	Alsace		Surname	Cohen
	NUTS 3	Haut-Rhin		Email Address	gerald.cohen@uha.fr
			Phone Number	+33 675 221 699	
Legal representative	Position	Président			
	Title	Mr			
	Forename	Gérald			
	Surname	Cohen			
	Email Address	gerald.cohen@uha.fr			
	Phone Number	+33 675 221 699			
Legal status of the organisation	Private	Partner type	Interest groups including NGOs		
VAT number	FR 96 537577132				
VAT recoverable	Party				
Involvement in the design phase	E-nov Campus has eight years experience in pedagogy and support for young people unsuited to traditional training and motivated by the exploration of new possibilities created by technological tools. It has learned to support young people in the development of projects whose goal is only very slightly defined at the start. In this project E-nov Campus will define integration perspectives of young people (HITAs) in technical experiments and prototyping alongside makers and designers.				
Involvement in the implementation phase	E-nov Campus will be a local partner in WP6 for supporting projects' holders in their entrepreneurial journey. It will second Manufactory in the implementation of educational tools. A Project manager will be designated to monitor especially RtR projects and will be trained in specific method and know-how of Manufactory. Thus he/she will be integrated into RtR incubator. E-nov Campus can also motivate and/or create within RtR Academy, new methods and fields of research closely related to the subjects addressed in its activity, in relation to educational needs of the territory.				
Competences and experiences in relation to the challenge addressed?	RtR project opens new learning and development opportunities to hidden talents of the territory that E-nov Campus supports through various training sessions. E-nov Campus will be able to use learnings from prototyping quickly and to transmit it efficiently to unsuspecting audiences. Registered and experienced in a viral learning mode, far from academic approaches, E-nov Campus is the ideal partner to support transmission of knowledge through collaboration with partners involved in WP6.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	E-nov has no particular experience in managing EU projects. At this stage it has just partnership agreements and especially with Three Rivers City (Canada) to develop joint projects for public in difficulty.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
107,999.72	80.00 %	0.00	26,999.93	26,999.93	134,999.65

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	117,391.00	17,608.65	0.00	0.00	0.00	0.00	134,999.65	0.00	134,999.65
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	117,391.00	17,608.65	0.00	0.00	0.00	0.00	134,999.65	0.00	134,999.65
% of total budget	86.96 %	13.04 %	0.00 %	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 12)

Organisation name (Original)	L'Art et la matière					
Organisation name (English)	Art and matter					
Member state	FRANCE					
Department(s)/unit(s)/division(s) concerned	L'Art et la matière is a creative recycling/ressourcerie. Association based in Mulhouse, it collects materials from industrial- and cultural production. Materials are stored and sold to users at attractive costs. Its action in favor of the local creative sector (reduction of production costs and cheaper purchase of materials), recycling and reuse will directly benefit the realization of RtR prototyping.					
Address	Street	13 rue de Pfastatt	Contact Person	Position	President	
	Post Code	68200		Title	Mr	
	Town	Mulhouse		Forename	Thibaut	
	NUTS 2	Alsace		Surname	Lemoine	
	NUTS 3	Haut-Rhin		Email Address	lartetlamatiere@gmail.com	
Legal representative	Phone Number	+33	612 543 208	Phone Number	+33	612 543 208
	Position	President				
	Title	Mr				
	Forename	Thibaut				
	Surname	Lemoine				
Legal status of the organisation	Private	Partner type	Interest groups including NGOs			
VAT number	If applicable					
VAT recoverable	No					
Involvement in the design phase	L'Art et la matière makes available its knowledge of waste deposits of the territory and shared its feedback, particularly regarding the rate of recovery, volume constraints and waste logistics. L'Art et la matière helped to structure WP4, to identify the source and nature of priority raw materials, directly accessible from the start of the project. The activity and storage space of L'Art et la matière are located in the building next to the future RtR factory, which will facilitate synergies.					
Involvement in the implementation phase	L'Art et la matière manages a stock of directly reusable materials for prototyping purposes (WP5): wood, metal, fabric, plastics and composites. Beyond its central creative recycling service, l'Art et la matière brings together a collective of objects-oriented creatives, with a purpose of diversion and reuse. They may be involved in the design of the prototypes. Different public, creative, children and adolescents, adults, participate in these steps through workshops and accompanying actions.					
Competences and experiences in relation to the challenge addressed?	The expertise provided by l'Art et la matière in the context of the RtR project comes directly from circular economy: the identification of unused materials that will be reinjected into the process of innovation and creation of new products / services by the stakeholders (HITAs).					
Experience in participating in and/or managing EU co-financed projects or other international projects.	L'Art et la matière has a concrete experience of a European project: its launch was co-financed in 2016 as part of a micro-project of the European Social Fund. This project was carried by the structure alone.					

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
24,000.00	80.00 %	0.00	6,000.00	6,000.00	30,000.00

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	15,000.00	15,000.00	0.00	30,000.00	0.00	30,000.00
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	0.00	0.00	0.00	15,000.00	15,000.00	0.00	30,000.00	0.00	30,000.00
% of total budget	0.00 %	0.00 %	0.00 %	50.00 %	50.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 13)

Organisation name (Original)	Jacob Holm Industrie France				
Organisation name (English)	Jacob Holm Industry France				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Manufacture of nonwovens. 5 factories in the world. Danish family group. Group headquarters based in Switzerland in Basel. Jacob Holm Industry, Production site in Soultz (near Mulhouse) Services involved: Management, R & D, HSE, Sustainable development, Recovery of fibrous waste, implementation of technique and treatment. Logistic waste treatment.				
Address	Street	Zone industrielle, Rue Henri Seiller	Contact Person	Position	Hygiene environmental safety responsible
	Post Code	68360		Title	Mr
	Town	Soultz-Haut-Rhin		Forename	David
	NUTS 2	Alsace		Surname	Tissot
	NUTS 3	Haut-Rhin		Email Address	david.tissot@jacob-holm.com
			Phone Number	+33 389 746 500	
Legal representative	Position	Site director			
	Title	Mr			
	Forename	Christophe			
	Surname	Richard			
	Email Address	christophe.richard@jacob-holm.com			
Phone Number	+33 389 746 500				
Legal status of the organisation	Private	Partner type	Enterprise		
VAT number	FR09394736649				
VAT recoverable	Yes				
Involvement in the design phase	Jacob Holm has brought its expertise in establishment of a recovery protocol for DND scrap and technical support for the use of materials with the R & D department				
Involvement in the implementation phase	Provision of our ultimate fibrous non hazardous waste around 450 tons per year Technical and regulatory support in the processing of our products. We will provide technical and design support in the project with the establishment of a team dedicated to the development of the design stages.				
Competences and experiences in relation to the challenge addressed?	Skills in the field of nonwovens and technical expertise in the treatment of the materials available. Expertise in product development is recognized internationally.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	No experience				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
23,999.84	80.00 %	0.00	5,999.96	5,999.96	29,999.80

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	15,652.00	2,347.80	0.00	12,000.00	0.00	0.00	29,999.80	0.00	29,999.80
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	15,652.00	2,347.80	0.00	12,000.00	0.00	0.00	29,999.80	0.00	29,999.80
% of total budget	52.17 %	7.83 %	0.00 %	40.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 14)

Organisation name (Original)	H2OPE				
Organisation name (English)	H2OPE				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	H2OPE has developed a lowtech concept for gathering of aquatic waste, with the aim of actively participating in the reduction of plastic pollution, operating in rivers upstream of the seas and oceans. As part of the implementation of the project, H2OPE will make available its know-how and this collector of aquatic waste for experimentation in Mulhouse. Will be involved in the project: Sébastien MARECHAL President and Brice PASQUIER, General Director				
Address	Street	19 Av. du Schlossgarten	Contact Person	Position	Deputy General Director
	Post Code	67118		Title	Mr
	Town	Geispolsheim		Forename	David
	NUTS 2	Alsace		Surname	Bourcart
	NUTS 3	Bas-Rhin		Email Address	contact@h2ope.fr
			Phone Number	+33	663 271 504
Legal representative	Position	President			
	Title	Mr			
	Forename	Sébastien			
	Surname	Maréchal			
	Email Address	contact@h2ope.fr			
	Phone Number	+33	679 780 236		
Legal status of the organisation	Private	Partner type	SME		
VAT number	FR13848016648				
VAT recoverable	Yes				
Involvement in the design phase	H2OPE will take charge of the watercourse analysis in order to implement the collector(s) at the best places for optimal gathering of aquatic waste in the agglomeration of Mulhouse.				
Involvement in the implementation phase	In WP4, H2OPE will contribute to create a circular economy virtuous loop. The ability of the H2OPE collector to take all types of waste will provide the project with a wide range of materials that constitute potential deposits to be studied for their upgrading and prototyping (WP5). The collector(s) will also support the installation of sensors generating data (water quality, quantity of waste, need for lifting ...) for the purpose of raising awareness of general public and exploitation (WP6). Finally a prototype of the River whale will be designed from the waste collected in the channels.				
Competences and experiences in relation to the challenge addressed?	The H2OPE collector responds to a need that is not addressed today. Our global approach is the first example of a concrete and easily reproducible solution to the problem of plastic pollution. The proposed solution limits the waste's stay in the water and improves the conservation of their recyclability potential. H2OPE has developed specific reporting tools to individually document each collection and optimize the revaluation which will benefit the project.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	This is H2OPE's first participation in a European or international project.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
35,999.60	80.00 %	0.00	8,999.90	8,999.90	44,999.50

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	39,130.00	5,869.50	0.00	0.00	0.00	0.00	44,999.50	0.00	44,999.50
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	39,130.00	5,869.50	0.00	0.00	0.00	0.00	44,999.50	0.00	44,999.50
% of total budget	86.96 %	13.04 %	0.00 %	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 15)

Organisation name (Original)	Makeme				
Organisation name (English)	Makeme				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Makeme is specialized in organizing events in France (fairs, festivals, conferences and hackathons) with the purpose of democratizing digital cultures and the Makers movement. Makeme provides a part of its event team: a coordinating project manager and a programming- and community officer, in charge of recruiting and coordinating the stakeholders needed to organize the hackathons & immersion sessions.				
Address	Street	18 rue de la Plaisance	Contact Person	Position	President
	Post Code	35000		Title	Mr
	Town	Rennes		Forename	Jean-Baptiste
	NUTS 2	Bretagne		Surname	Le Clech
	NUTS 3	Ille-et-Vilaine		Email Address	jbleclech@makeme.fr
			Phone Number	+33 769 770 584	
Legal representative	Position	President			
	Title	Mr			
	Forename	Jean-Baptiste			
	Surname	Le Clech			
	Email Address	jbleclech@makeme.fr			
	Phone Number	+33 769 770 584			
Legal status of the organisation	Private	Partner type	SME		
VAT number	FR76825267065				
VAT recoverable	Yes				
Involvement in the design phase	<p>Organization and participation in seminars</p> <ul style="list-style-type: none"> - Strategic and technical watch - Identification of relevant stakeholders (makers, editors, IT specialists ...) - Design and organization of hackathons & immersion sessions in collaboration with the host. 				
Involvement in the implementation phase	<p>WP4 :</p> <ul style="list-style-type: none"> - Assembly, coordination and dismantling of hackathons & immersion sessions in collaboration with the host - Recruitment and coordination of the Makers of the roving team - Organization of their stay (reservation, transport, accommodation) and their remuneration - Monitoring and coordination of the documentation. - Follow-up of projects related to WP 5 & 6 - Swarming elsewhere in France. 				
Competences and experiences in relation to the challenge addressed?	<p>Since 2013 Makeme teams organized the biggest rallies of Makers in France (Maker Faire Paris, Lille, Nantes Maker Campus...). This pioneering experience allowed us to build the largest community of Makers in France (more than 2500 people). This community is a substantial resource for hackathons that we have organized for 5 years. For 3 years, we also assist Makers in the creation of their business/company.</p>				
Experience in participating in and/or managing EU co-financed projects or other international projects.	<ul style="list-style-type: none"> - Partner of Europe ReMix2018: hackathon designed to develop some of the 29 actions proposed in the framework of the call for ideas of the Labo Europe (new ways of speaking about Europe and strengthen European citizenship). - Leader of HandiLab 2016: handi hackathon organized with Abilympics association, bringing together in a world competition makers, volunteers, inventors and the best disabled workers and athletes in more than 35 countries. Creation of 5 prototypes in 5 days. 				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
564,400.00	80.00 %	0.00	141,100.00	141,100.00	705,500.00

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	3,000.00	0.00	0.00	0.00	3,000.00	0.00	3,000.00
WP 3	0.00	0.00	0.00	380,000.00	0.00	0.00	380,000.00	0.00	380,000.00
WP 4	0.00	0.00	0.00	82,500.00	0.00	0.00	82,500.00	0.00	82,500.00
WP 5	0.00	0.00	15,000.00	225,000.00	0.00	0.00	240,000.00	0.00	240,000.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	0.00	0.00	18,000.00	687,500.00	0.00	0.00	705,500.00	0.00	705,500.00
% of total budget	0.00 %	0.00 %	2.55 %	97.45 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 16)

Organisation name (Original)	Time for the Planet				
Organisation name (English)	Time for the Planet				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Time for the Planet is a not-for-profit trading company whose mission is to create businesses that can fight climate change globally. Time for the planet identifies technologies created by inventors and researchers around the world, and brings together these entrepreneurs with an entrepreneurial team and money to launch large-scale startups. Innovations designed by these startups are made open source from the launch to maximize the chances of effectively fighting global warming.				
Address	Street	10 rue Bellecoudière	Contact Person	Position	Project Manager
	Post Code	69002		Title	Mr
	Town	Lyon		Forename	Mehdi
	NUTS 2	Rhône-Alpes		Surname	Coly
	NUTS 3	Rhône		Email Address	mehdi@time-planet.com
			Phone Number	+33	631 580 439
Legal representative	Position	President			
	Title	Mr			
	Forename	Nicolas			
	Surname	Sabatier			
	Email Address	nicolas@time-planet.com			
	Phone Number	+33	679 884 173		
Legal status of the organisation	Private	Partner type	SME		
VAT number	FR34849876339				
VAT recoverable	Yes				
Involvement in the design phase	From the first meetings, Time for the Planet was associated in the reflection of RtR project's scaling up. It is involved in construction of WP6: definition of objectives, actions, outputs, role of each partner. It brings RtR Association its perspective and experience in entrepreneurship and in Open source innovations which launched the Net-ups that Time for the Planet has supported and which have a strong impact in the fight against global warming.				
Involvement in the implementation phase	In the WP6: Time for the Planet works closely with Manufactory and RtR association to put in place the optimal framework and conditions for scaling up RtR through entrepreneurship. It will participate in RtR Academy's creation (entrepreneur kit), bring its expertise in the valuation of prototypes with the Net-ups method that it masters perfectly. In particular, it will intervene in the Fast track support program: highly individualized follow-up of high-impact projects, support for the creation of start-ups/Net-ups with high growth potential, ensuring the viability, scalability and repeatability of the business model.				
Competences and experiences in relation to the challenge addressed?	Time for the Planet was created on the basis of a simple observation: entrepreneurship is the fastest and most powerful way to fight against the global ecological crisis. As a commercial company, funded by private investors, Time for the Planet has the ability: - to act very quickly with agility, being results-oriented; - to invest financially in companies created under the RtR; - to support startups as peers, since all our life long, the only thing we have done is to create startups.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	Time for the Planet has no particular experience in managing European projects but its founders have together, created 12 companies. 11 of which are still in business and employ more than 1000 people worldwide. Their experience of the process of creating a startup from an idea, to transform it into an economic model, and the agility they display are a sign of a great ability anyway to set up and manage projects of European / global scope.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
125,401.20	80.00 %	0.00	31,350.30	31,350.30	156,751.50

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	3,000.00	0.00	0.00	0.00	3,000.00	0.00	3,000.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	107,610.00	16,141.50	30,000.00	0.00	0.00	0.00	153,751.50	0.00	153,751.50
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	107,610.00	16,141.50	33,000.00	0.00	0.00	0.00	156,751.50	0.00	156,751.50
% of total budget	68.65 %	10.30 %	21.05 %	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 17)

Organisation name (Original)	Sémaphore Mulhouse Sud Alsace				
Organisation name (English)	Sémaphore Mulhouse Sud Alsace				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	Sémaphore accompanies young people towards autonomy, by working their path of socio-professional integration, informing them in all areas of life and introducing them to digital, which is a factor of social inclusion. It carries the Local Mission of Mulhouse. The association implements the "Catch the Lost of View" Platform which allows to identify, mobilize and prepare the so-called invisible youths to enter in training / insertion courses.				
Address	Street	7-9 rue du Moulin	Contact Person	Position	Director
	Post Code	68100		Title	Ms
	Town	Mulhouse		Forename	Emmanuelle
	NUTS 2	Alsace		Surname	Luttenauer
	NUTS 3	Haut-Rhin		Email Address	ELUTTENAUER@semaphore.asso.fr
			Phone Number	+33	389 663 313
Legal representative	Position	President			
	Title	Ms			
	Forename	Michèle			
	Surname	Lutz			
	Email Address	Mchele.Lutz@mulhouse-alsace.fr			
	Phone Number	+33	389 325 858		
Legal status of the organisation	Private	Partner type	Infrastructure and (public) service provider		
VAT number	If applicable				
VAT recoverable	No				
Involvement in the design phase	The association is well known in Mulhouse, it has a solid and recognized experience in supporting young people in difficulty in their life course. It offers workshops, individual interviews, helps finding internships, training and employment, to enable young people to better understand themselves and achieve their goal. In this context, it will propose the RtoR program as a possible way of learning through learning by doing/making and will carry out a pre-sourcing of HITAs.				
Involvement in the implementation phase	Sémaphore intervenes in WP7 at the level of the identification and the mobilization of the HITAs. The goal of the "Catch the Lost of View" Platform is to identify, reach and mobilize "invisible" youths aged from 16 to 25 living in Mulhouse and its Agglomeration. Thanks to a multidisciplinary team (Local Mission advisor, educators, volunteers in civic service), the educational work carried out is important and makes it possible to (re) put these young people in motion through various weekly workshops, whether they are order of leisure, professional discovery, or preparation for the world of work. The platform will identify young HITAs, mobilize them and prepare them to integrate the RtoR program.				
Competences and experiences in relation to the challenge addressed?	The local mission is convinced of the need to mobilize young people in difficulties through their talents. They often do not even suspect themselves because of chaotic educational pathways. This project will allow them to concretely measure their potential, to acquire both hard- and soft skills, to regain self-confidence, to consider a project and a professional career. Reference: Young people spotted in 2018 by the Local Mission Platform: 106. 93% mobilized, 50% positive outcomes.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	<ul style="list-style-type: none"> - Management of the PLIE system financed by the ESF: professional integration of people away from employment and/or without professional qualification - Management of an IEJ program: actions for young people under 30 who are neither in employment nor in studies or training (NEET) - ESF funding of Second Chance School: tailor-made support for young people who leave the school system every year without a diploma or qualification - Management of an ERASMUS project. 				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
7,999.40	80.00 %	1,999.85	0.00	1,999.85	9,999.25

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	8,695.00	1,304.25	0.00	0.00	0.00	0.00	9,999.25	0.00	9,999.25
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	8,695.00	1,304.25	0.00	0.00	0.00	0.00	9,999.25	0.00	9,999.25
% of total budget	86.96 %	13.04 %	0.00 %	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 18)

Organisation name (Original)	TUBA Mulhouse Sud Alsace				
Organisation name (English)	TUBA Mulhouse South Alsace				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	As a Living Lab, TUBA's mission is to bring out innovative projects in Mulhouse area through user-centered methods. TUBA accompanies protagonists in structuring their projects, thanks to direct contact with the field and the targeted customers. In this project, TUBA will identify HITAs ideas- and projects' holders, and contribute to their direction towards the RfR Academy/Incubator/Factory. The person in charge of this activity is Chloé Gignet (contact details below).				
Address	Street	4 avenue de Colmar	Contact Person	Position	Coordinator and project manager
	Post Code	68100		Title	Ms
	Town	Mulhouse		Forename	Chloé
	NUTS 2	Alsace		Surname	Gignet
	NUTS 3	Haut-Rhin		Email Address	chloe@tuba-mulhouse.fr
Legal representative	Phone Number	+33 633 571 157			
	Position	President			
	Title	Ms			
	Forename	Ludmila			
	Surname	Gautier			
Email Address	ludmila.gautier@edf.fr				
Phone Number	+33	619 613 058			
Legal status of the organisation	Private		Partner type	Interest groups including NGOs	
VAT number	FR83 833 516 982				
VAT recoverable	Yes				
Involvement in the design phase	TUBA will identify "invisible" projects's holders, that means HITAs who do not have any knowledge of the entrepreneurial local ecosystem, of support's possibilities, or who have failed to integrate them due to lack of maturity of their idea or lack of selection processes' control (selection committee, files to be filled, formalities...etc.) and are likely to be accompanied into RfR program (Fabrique RfR/RfR Academy).				
Involvement in the implementation phase	In WP 7, TUBA accompanies HITAs project holders, upstream of their possible integration into the RfR, with: - user centered methods based on a principle of continuous improvement thanks to the recurrence of user tests and modifications made to the prototype. - a benevolent collective accompaniment inspired by Team Academy method, which encourages a move to action thanks to sharing with the group. This method is relevant for NEET project holders: it promotes development of their skills, success of their project and their integration into others accompanying devices, and in particular in the one offered by RfR Incubator/Factory.				
Competences and experiences in relation to the challenge addressed?	TUBA has a mission in favor of citizen projects' emergence, taking into account the issues of resilience related to climate change. It achieves this by combining the different actors : public collectivities, companies, project developers and general public, with methods centered on users. TUBA is already involved in awareness-raising activities on entrepreneurship and mobilization in QPV (Anru project). Thus it has experience in the field of HITAs' identification and mobilization.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	TUBA has no particular experience in EU or international projects management.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
4,799.64	80.00 %	1,199.91	0.00	1,199.91	5,999.55

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	5,217.00	782.55	0.00	0.00	0.00	0.00	5,999.55	0.00	5,999.55
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	5,217.00	782.55	0.00	0.00	0.00	0.00	5,999.55	0.00	5,999.55
% of total budget	86.96 %	13.04 %	0.00 %	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 19)

Organisation name (Original)	CETIMGrand-Est				
Organisation name (English)	CETIMGrand-Est				
Member state	FRANCE				
Department(s)/unit(s)/division(s) concerned	The services involved in Cetim Grand Est will be: - The Materials Engineering Pole - The industry pole of the future. The activities may potentially involve all people within these departments.				
Address	Street	21 rue de Chemnitz	Contact Person	Position	General Director
	Post Code	68100		Title	Mr
	Town	Mulhouse		Forename	Olivier
	NUTS 2	Alsace		Surname	Rougnon-Glasson
	NUTS 3	Haut-Rhin		Email Address	olivier.rougnon-glasson@cetimgrandest.fr
				Phone Number	+33 389 327 220
Legal representative	Position	General Director			
	Title	Mr			
	Forename	Olivier			
	Surname	Rougnon-Glasson			
	Email Address	olivier.rougnon-glasson@cetimgrandest.fr			
	Phone Number	+33	389 327 220		
Legal status of the organisation	Private	Partner type	Higher education and research		
VAT number	FR 91 314 257 684				
VAT recoverable	Yes				
Involvement in the design phase	Focus on the recycling of thermoplastic plastics and composites. It aims on the one hand to give rise to a "noble" recycling of plastics and on the other hand to open a recycling path for thermoplastic composites. It brought its skills and previous knowledge acquired, particularly in the field of recycling plastics and thermoplastic composites, physical chemistry of materials (metals, polymers and other inorganic materials) and contributed to structuring and sizing the WFPs.				
Involvement in the implementation phase	Cetim Grand Est will be directly involved in the realization of WP 4 and 5. The skills listed below will be used in the implementation phase, as well as the resources of the Cetim Grand Est platforms. The following platforms will be involved in particular: - Laboratory of analysis and characterization of polymers, in support of the various experiments of WP 4 and 5 - Pre-industrial R & D pilot line for the implementation of ThermoPRIME® and ThermoSaic® technologies. The project manager Cetim Grand Est is in charge of reporting the progress indicators to the consortium's leading entity.				
Competences and experiences in relation to the challenge addressed?	Center of Technological Resources labeled (CRT), associated with the CETIM(Technical Center of Mechanical Industries) and member of the Carnot Institute MICA. Cetim Grand Est is specialized in materials and durability of components. Cetim has developed 2 recycling technologies for thermoplastic materials (which has given rise to ThermoPRIME® and ThermoSaic® technologies). These technologies are distinguished by the added value of recycled materials (known as "upcycling") at a reasonable cost.				
Experience in participating in and/or managing EU co-financed projects or other international projects.	- ZODREX project on deep geothermal energy, in the role of contributing partner on the corrosion of organs subjected to severe conditions in depth - BUGWRIGHT2 project on the corrosion monitoring of ship hulls as a contributing partner on corrosion expertise, non-destructive testing technologies and AI data processing (Artificial Intelligence) - THOR project on hydrogen tanks for fuel cell vehicles, in the role of contributing partner on the recycling of tanks made of thermoplastic composites.				

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
59,999.76	80.00 %	14,999.94	0.00	14,999.94	74,999.70

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	43,478.00	6,521.70	0.00	0.00	25,000.00	0.00	74,999.70	0.00	74,999.70
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	43,478.00	6,521.70	0.00	0.00	25,000.00	0.00	74,999.70	0.00	74,999.70
% of total budget	57.97 %	8.70 %	0.00 %	0.00 %	33.33 %	0.00 %	100.00 %	0.00 %	100.00 %

B.3 - Delivery Partner (Partner 20)

Organisation name (Original)	Institut Carnot MCA					
Organisation name (English)	MCA Carnot Institute					
Member state	FRANCE					
Department(s)/unit(s)/division(s) concerned	MCA Carnot Institute is the specialist in functional materials, surfaces, interfaces and associated processes, from basic research to industrial application. It has rare skills in recovery of by-products and waste as well as LCA reuse, redesign and circular economy. It includes 9 research laboratories and 9 technological resource centers, 550 researchers, technical platforms (fabrication, characterisation, performance testing, prototyping) and real conditions test platforms.					
Address	Street	15 rue Jean Starcky	Contact Person	Position	Director	
	Post Code	68057		Title	Mr	
	Town	Mulhouse		Forename	Lionel	
	NUTS 2	Alsace		Surname	Limousy	
	NUTS 3	Haut-Rhin		Email Address	Lionel.limousy@uha.fr	
Legal representative	Phone Number	+33	389 608 704	Phone Number	+33	389 608 704
	Position	Director				
	Title	Mr				
	Forename	Lionel				
	Surname	Limousy				
	Email Address	Lionel.limousy@uha.fr				
Legal status of the organisation	Public	Partner type	Business support organisation			
VAT number	FR 401 800 89013					
VAT recoverable	No					
Involvement in the design phase	MCA will provide its skills and expertise in circular economy, life cycle analysis (LCA) for the implementation of a recycling / reuse approach rooted in the economy and local systems. His expertise in the field of functional materials and processes will enable it to propose to RfR new recycling approaches.					
Involvement in the implementation phase	MCA will be involved in WP4. It will be in charge of achieving a benchmark of reusable materials out of territory. Its network of industrial partners (more than 13,000) will enable it to build a database on practices experienced in the territory (activity 4.1). MCA will also be involved in activity 4.3 through the creation of recycled materials through the production of prototypes from different recovered materials.					
Competences and experiences in relation to the challenge addressed?	MCA develops and proposes eco-innovation tools in order to anticipate unavoidable constraints and to integrate the societal dimension in the design of products / services. MCA combines tools for measuring environmental impact (LCA), support methods (training, creativity sessions) and knowledge of all types of materials to support eco-design initiatives in various sectors.					
Experience in participating in and/or managing EU co-financed projects or other international projects.	MCA funded resourcing projects (Carbovit, Vincent Plasma). The results of which led to setting up of two European projects: the Licome project (FP7 - Fast Track to Innovation) and the FERTICHAR project (ARIMNET project - valorization of agro-by-products at the territory level in different countries). Finally, a member of MCA worked on the theme of industrial waste upgraded via resource centers (Recycluse national project).					

Total Partner Budget

PROGRAMME CO-FINANCING		CONTRIBUTION			Total (€)
ERDF (€)	ERDF Co-financing rate (%)	Public Contribution (€)	Private Contribution (€)	Total Contribution (€)	Total Eligible Cost (€)
(a)		(b)	(c)	(d)=(b)+(c)	(e)=(a)+(d)
32,000.36	80.00 %	8,000.09	0.00	8,000.09	40,000.45

Breakdown of Partner Budget per Work Package/ Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 4	34,783.00	5,217.45	0.00	0.00	0.00	0.00	40,000.45	0.00	40,000.45
WP 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WP 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	34,783.00	5,217.45	0.00	0.00	0.00	0.00	40,000.45	0.00	40,000.45
% of total budget	86.96 %	13.04 %	0.00 %	0.00 %	0.00 %	0.00 %	100.00 %	0.00 %	100.00 %

Part C - Project description

C.1 Project relevance and innovativeness

C.1.1 Main challenge(s) to be addressed

Main challenge(s) to be addressed

Once known as "French Manchester", the city of Mulhouse suffers the consequences of 40 years of decline in industrial employment (the share of industrial jobs in Mulhouse is 16.5% against national average 13.4%) and has become one of the 20 poorest cities in France (poverty rate is above 30%, median salary is 15 464 euros which is 45% less than national average), the unemployment rate is 16.9% for the 15-64 age bracket against 8.9% at national level, 15.3% inhabitants receive "RSA" – Active Solidarity Income – which is 9 points higher than national average, 58% of those under 18 are part of socially disadvantaged groups against 35% at national level, the unemployment rate for people aged 15-64 was 28.1% in 2016. From its industrial past, Mulhouse keeps a cosmopolitan population (130 nations represented), reconverted old workers housing estates and famous names such as DMC - Dolfus-Meg et Compagnie (one of the largest textile and industrial groups in Europe in the 20th century) and the Société alsacienne de constructions mécaniques (SACM). Nowadays, Mulhouse experiences the problems found in all cities with a glorious industrial past. The city embodies the challenges of globalization in miniature by concentrating both economic and social challenges faced by urban authorities at European and global level, especially with a split labor market. Public policies have been investing in innovation, new industry, culture, urban transformation for several years, as well as upholding historical flagships in the chemistry, petrochemistry, steel, automotive, mechanics and materials sectors, and a few companies specialized in premium textile. However, these local efforts, in a global context of unprecedented ecological and social disruption, fail to modify trends in depth. A new model must be developed urgently to address the following issues on a large scale:

1. A dominant economic model which is no longer the only driving force for the Mulhouse area (PSA decreasing from 15000 jobs to 6500 in 20 years at local level)
2. A social divide worsening with this spiral of decline and the rise in demand for skills, particularly digital ones (split labour market), preventing the harmonious development of the city and its inhabitants
3. A non-ecological model based on over consumption, waste and disposability. This model conflicts with the territory's sustainable development policies (Territorial Air Energy Climate Plan, for which m2A was a pioneer)
4. Despite its efforts, traditional public action is insufficient to break the vicious circle. And yet, the crisis offers opportunities to create value-added alternatives.

The challenge is to break this vicious circle, reconfigure the legacy of an industrial model that has shaped the economy, people and territory for 2 centuries, through a systemic response, involving public and private players and citizens, breaking with the silo approach.

C.1.2 Proposed solution

Proposed solution

The aim is to turn Mulhouse into a demonstrator of an innovative territorial model, creating sustainable economic and social value locally, and to scale up. The innovation relies on a circular economy model with triple impact – the Right to Repair (RtR). It repairs goods, people and land, fighting accelerated obsolescence and replacing (all) people at the heart of innovation. RtR rewrites:

- The product, its life cycle, manufacturing method and use
- People's role in creation, use and repair
- Territorial dynamics with the creation of learning communities fostering experimentation and knowledge sharing
- Sound and sustainable economic models
- Reuse of materials/waste and spaces
- Creating value by Doing together and sharing common goods
- A reasonable use of new technologies and their control by users

Deployed by Open innovation pioneers (<https://wiki.crapaud-fou.org/RightToRepair>), Right to Repair has proved itself at large scale from China to Africa (<https://transportsdudufur.ademe.fr/2019/01/le-secret-de-shengzen-shanzhai.html>). A program focused on experimenting RtR solutions with hidden talents (HITAs) has won support from the French government in April 2019 as part of the Skills Investment Plan (Plan d'investissement dans les compétences) – 100 % inclusion. Our project will start by identifying deposits of unused materials and manufactured components in the territory. A Materials Lab will be created to research on the processing and transformation of these resources, in synergy with key players (waste producers, collectors and recyclers). Stakeholders, citizens and artists will be invited to reflect on new, more sustainable uses of these deposits (WP4). Learning trips and connections with pioneering communities/territories worldwide will provide advanced knowledge and create traction for the project. A prototyping facility will be setup (RtR Factory). Prototypes will be developed leveraging WP4 results and RtR best practices and toolkits. Decentralized data collection and installations in key areas of the city will build inhabitants awareness and enable them to participate. Pioneering open source tools and methods will be applied to document results and enable upscaling (WP5). RtR Academy will be setup to provide entrepreneurial support, incubation and create a knowledge ecosystem open to all. The "Net-up" model will be tested to allow entrepreneurs to exploit the prototypes produced in WP5. Collaboration with local players will return benefits to the territory fostering the development of activity clusters. A RtR House will be set up to promote a "Make" culture in the public (WP6). Including HITAs in the prototyping process (WP5 and 6) will allow them to learn by doing, gain confidence and skills, and set them up to launch creative or entrepreneurial projects (WP7). A Talent Hostel will accommodate Makers, entrepreneurs, creatives or HITAs (WP8). Dissemination of results will be ensured with partnering territories to scale-up.

C.1.3 Innovativeness of the proposed solution

Innovativeness of the proposed solution

The 1st innovation is this project's holistic approach: Right to Repair – which repairs goods, people and land – is an innovative circular economy model with triple impacts, breaking with the traditional silo approach. Innovation for all through Open Hardware / Open Source and sharing are the levers to create economic and social value, enhance territory's resources and relocate the economy. To implement this global approach, new levers are used and combined at local level: • known resources are associated to hidden resources of the territory (materials, hidden talents) to identify resource deposits to enhance and open up new possibilities, complementing the existing waste plan and social approach of the City, especially its "Emploi d'abord" program and its action to support dropouts. • Based on innovative best practices (SZOL, Rennes, Makers movement), RtR prototypes will inspire HITAs, artists and entrepreneurs, enable them to invent new uses and narratives unleashing creativity, and to create value with the production of small series of goods with a great ecologic and economic impact. For example: motorized chairs made from collected bike batteries or scooters (positive ecological impact 100%) in Rennes; resistant and repairable phones produced in Africa using Open Hardware components or unbranded kits supplied in Shenzhen, hence eliminating the margin made by leading brands (up to 3 times the value of the components), and creating a local repair economy. • Maximum use of goods recycled and enhanced locally, combined with a more massive exploitation of data on uses to raise awareness and qualify needs, create a virtuous cycle and empower the territory and its inhabitants. Other UIA circular economy projects usually address a specific thematic (community engagement in Antwerp, construction materials/waste in Lappeenranta or Sevan, food in Heraklion, etc.). They do not seem to invest on levers to scale up. The RtR project is different as it includes: A holistic approach involving a wide variety of players: industrials, research laboratories, local public and social economy structures, entrepreneurs, Makers, data scientists, academics, artists, who will act directly with target audiences; The mobilization of key stakeholders, public, private, associations, districts of the territory, rallying around a demonstrator which catalyses the outcomes with showcases in situ; The Open Hardware / Open source approach, and extensive documentation throughout the process (this is lacking in 99% of Makers' projects); The entrepreneurial setup, and the Netup model designed to create economic value as a network and to reduce the time needed to reach proofs of concept. Derived from Shenzhen open innovation ecosystem, the Net-up models use the methodology of economic development clusters to apply it to common goods; Support from RtR pioneers in France and at global level (SZOL, Makers, Synergy Family), enabling continued access to innovations and add meaning.

C.1.4 Potential obstacles and resistance

Potential obstacles and resistance

The first challenge is the variety of stakeholders. RtR was developed with key players of the territory, propelled by RtR pioneers from outside. Enthusiasm and mobilization of all parties provide evidence that commitments will be kept. Partners' profiles are very diverse, their knowledge, experience and impact are at the core of our value proposition. The challenge will be to combine these assets into a common practice. Present during the design phase, cohesion and complementarity will be critical. The organization, with the creation of RtR Association acting as a steering body alongside the urban authorities, addresses this potential obstacle. The second challenge relates to legal constraints. Innovative products/services are usually subject to new standards as soon as their use becomes large-scale and/or generates problems/incidents (e.g. electric scooters). These standards could impede the release of products prototyped in RtR. However, this risk is not specific to RtR. The third challenge is the systematic use of Open Source / Open Hardware in our solutions. It may breach the operating monopolies resulting from intellectual property. Furthermore, the Net-up model based on cooperatives of common goods is still in its pilot phase. The desire to keep the value created within the community and share it with citizens can be an obstacle for conventional economic and investment players. Careful attention will be paid to these risks before any shift to serial production.

C.1.5 Integrated Approach

Integrated approach

RtR will be integrated in the following policies:

- Brownfield rehabilitation: the project is situated in the heart of a brownfield of 100 000 sqm of buildings (DMC) in the center of Mulhouse. Its rehabilitation is a m2A priority. Motoco is the first transitional urban project of DMC, with 140 artists, 35 000 visitors and 100 events per year. Both DMC and Motoco are labeled IBA2020 (cultural heritage). In addition, the project will integrate the ANRU+ program (National Urban Renewal Agency) and the urban priority districts program (QPV) to experiment in 5 low-income districts in transition.
- Economic development: the procedures for scaling up will be led with TUBA (city incubator dedicated to citizen projects). The projects will join the "Industry 4.0 Campus" led by m2A and KMO (Industrial + digital city).
- New uses with a focus on mobility: m2A and city services will support in situ tests and indicate local hotspots where innovation is needed.
- Waste management: complementarity with the local waste prevention program led by m2A and the waste recovery process led by the intercommunal body (SIVOM) on behalf of m2A.
- Inclusion: integration into the policies for underprivileged groups, the "Emploi d'abord" program and the actions led by the local antenna of the National Employment Agency (Sémaphore)
- Holistic approach of circular economy: cooperation with the Action Industrie Collaborative, led by m2A, fostering waste/resources transfer between companies

C.1.6 Link to ERDF thematic objectives and investment priorities

Link to ERDF Thematic Objectives and Investment Priorities

TO1/IP.1b) identifying recyclable materials to design prototypes and develop new goods/services, applied research in view of scaling up
 TO2/IP.2b)c) developing and integrating RtR sensors (e.g. waste collector) by creating an open and accessible data platform
 TO3: experimenting a new innovative kind of entrepreneurship designed to address the global emergency, based on common goods and a Net-ups logic.
 TO4/IP 4e) pilot operations with users and local stakeholders to prepare for scaling up in a local cycle
 TO5/IP 5a) creating a prototype and a demonstrator for innovative solutions enhancing local resources and their reuse for a positive ecological impact addressing global issues
 TO6/IP 6a)f)g) reusing local waste and available materials to design new repairable goods, coupled to citizen awareness actions
 TO 7/IP 7c) developing and experimenting RtR mobility solutions
 TO8/ a)b) by reaching HITAs, training them with a learning by doing method to improve their skills, promoting access to knowledge and new technologies
 TO9 b)c)d) by giving a role and a mission to HITAs, allowing them to engage as a community in order to provide innovative solutions open to all
 TO10 the Talent Hostel will provide a place for entrepreneurs, makers, creatives staying on-site to foster experimentation in immersion with local stakeholders and target audiences
 TO11 by building strong synergies between the policies and initiatives of m2A/City of Mulhouse, citizens and local economic stakeholders

C.2 Project context and local partnership

C.2.1 Link with other local/regional/national strategies and policies (incl. smart specialisation strategies)

Link with other local/regional/national strategies and policies

Implementation of RtR project on the DMC industrial wastefield in Mulhouse is supported by Region Grand Est in frame of The "Regional Strategy for Rehabilitation and Restoration of Brownfield", which aims to encourage real estate economy by redevelopment of urban areas, and to promote new uses for brownfields. Both national "Territory of Industry" program (Mulhouse South Alsace labelled "Pilot Territory" in March 2019) and KMO "Industry + Digital" ecosystem (project launched in 2015 and supported by ERDF) integrating education, incubator, startups, digital companies and industrialists, are now deployed on the industrial wasteland of the "Foundry" in Mulhouse (Technistub and E-Nov Campus, both delivery partner of WP5 & 6, are part of it) and will be the counterpart of the creative industry deployed on DMC site with Motoco and RtR, with many interactions in the future. The "Pôle véhicule du futur" (automotive competitiveness cluster in Mulhouse) and its 12 innovative projects funded since 2013 will offer an access to its platform: RtR prototypes (WP5) will be submitted in order to create synergies and progress with stakeholders members of automotive industry. The local "Plan of waste minimisation" (PLP) and the "Collaborative Industry Action" implemented by Mulhouse Alsace Agglomeration will find a real field of experimentation with RtR through sensibilisation actions of general public (WP4 & 7) relating reuse of waste to design new products/services with ecological impact.

C.2.2 Synergies with other projects and initiatives

Synergies with other projects and initiatives

RtR project will benefit from several projects outputs: - Urban Energies ESF project carried out by Motoco provided a 1st production experience between artists, dropouts and makers that will enable prototyping new products/services with high ecological impact. - Both PIC (National Skills Investment Plan) 100% inclusion (first step of RtR on involving 1500 HITAs (from Marseille, Montreuil and Roubaix) and ARQUS European University Alliance (Erasmus+) will procure useful feedback for WP 6 and 7. LETSTEAM project (Erasmus+): pedagogical approach and technologies (STM32 card enabling high school students to program microcontrollers, learn how to use sensors and data) will feed WP5. - RECYLUSE project (ADEME): repair centre of the future, living lab of reuse and redesign, promoting ecological, economic and social transition to the circular economy. - CURE (EIT Climate KIC): setting up remanufacturing laboratories to increase the use of secondary materials in cities, helping to produce knowledge and standards for the use of secondary materials. - UrbReC (URBACT): development of a new generation of urban resource centres which promote circular economy and invite citizens, businesses and start-ups to codevelop new ways to complete resource loops at local level and in an economically sustainable way - FORCE (H2020): Reduce material leakage from the linear economy to a circular economy, participatory value chain-based partnerships to create and develop eco-innovative solutions.

C.2.3 Involvement of wider stakeholders in project design

Involvement of wider stakeholders in project design

The project was initiated in 2018 by Thanh Nghiem, leader of the CrazyToads (<https://crapaud-fou.org>). This movement generated the first RtR project with open innovation and social inclusion pioneers (SZOIL, Synergy Family, Chance) and academics (Université Catholique de Lille, CRI). This experiment targeting 1500 HITAs was selected in the Skills investment plan (PIC) - 100% Inclusion in April 2019.
 Workshops and an extensive media coverage (<https://wiki.crapaud-fou.org/agenda>) built public interest on RtR, raising the need to find a territory to experiment and showcase benefits. Identified as a post-industrial territory, facing the challenge of economic revival, featuring many manufacturing know-hows (car, textile, mechanics) and a deposit of creativity (Motoco is the biggest artists' residence in Europe and a genuine arts & design ecosystem), Mulhouse was targeted.
 A first meeting took place in fall 2019 in Mulhouse with stakeholders Motoco&co, KMO and the district authority of Bourzwiller (which manages a recycling center associated to a social inclusion approach). A second meeting was held in Motoco with local and national players as potential project partners. Then thematic meetings were organized in subgroups to develop the WPs. In November 2019, 10 representatives of the stakeholders traveled to Shenzhen to design the cooperation with SZOIL - Shenzhen Open Innovation Lab, the Open Hardware FabLab pioneer - set up at the heart of the "Hardware Silicon Valley" (Shenzhen produces 90% of world electronic components). Work sessions with SZOIL and the visit of giant markets, factories, FabLabs and design houses (who can design new products/services in a record time) have allowed the team to understand the fast creation-design-prototyping process in Shenzhen leveraging Open hardware and the local supply chain, and to visualize how to quickly launch RtR products/services with new value creation models.

C.2.4 Involvement of wider stakeholders in project implementation

Involvement of wider stakeholders in project implementation

Locals:
 - Automotive hub (Cité de l'automobile) and its enthusiast curators: technical knowledge and know-how - AJURM (Urban Planning Agency for the region of Mulhouse): site studies - Famille Solidaire: domiciles adapted to disabilities - Citiviva (Public agency for development and construction): DMC estate - French Tech East: start-ups network in the East, connections at national level and abroad - IBA Basel 2020: support in communication (Germany, Switzerland, Alsace)
 RtR network:
 - SZOIL: best practice monitoring, support on prototyping and supply chain, stays in Shenzhen and Mulhouse - Synergie Family: support to HITAs, co leader of RtR- 100 % Inclusion - French Tech Rhône-Alpes: RtR pilot with French Tech Tremplin - La Fabrique des Mobilités (ADEME): common goods for mobility - Open Business Foundation: economic and legal R&D for common goods - Impact HUB: international network of entrepreneur communities acting for societal good - Cars of the Future Hub (Pôle Véhicule du Futur): innovation in mobility Makers network:
 - FLOSS, WikiFab, WikiFix: document Open Hardware prototypes and events - HumanLab: Fablab supporting disabled people - Indiens dans la ville: citizen art, Precious Plastics, FabLab integrated in the recycling center - Climate Change Lab: creation of a global FabLab network open to all citizens to address climate change - 8Fablab: Fablab specialized in social insertion and circular economy in rural areas
 Dissemination regions:
 - Nantes Métropole: pioneer in circular economy, hotspot for makers - Brittany: business clusters, regional strategy emphasizing circular economy - Drôme: laureate of Large Scale Innovation Territory program (TIGA) focusing on mobility, agriculture and circular economy The listed stakeholders provide their expertise in WP 4 to 7 as needed (advice and ad hoc intervention). Partnering regions participate in expert meetings in Mulhouse, and knowledge sharing events are planned in their area.

C.3 Project objectives, results and outputs

C.3.1 Overall objectives and expected results (changes in the local situation)

PROJECT main objective(s)

The aim is to develop a duplicable demonstrator designed to revitalize a territory, and capable of addressing the most pressing global challenges raised by climate and social disruption. This objective divides into the following items:

- Prove that there are deposits of outstanding individual human skills that can turn the situation around and meet the scaling-up challenge if they are used in effective solutions open to all
- Relocate the economy through a circular system and strong bonds with local communities, by developing entrepreneurship and investment in common goods / Open hardware / Open source in the territory
- Restore meaning for public and private action by creating a more sustainable, inclusive and virtuous model
- Foster HITAs reactivation in cooperation with inventors, entrepreneurs and creatives, providing proofs of concept attractive to the public in order to scale up
- Link each individual to the collective through Making to create common goods that are a preview of how we will live together in challenging conditions in a near future
- Share with other territories throughout the process to foster feedback and spread ideas
- Document each phase to foster access to knowledge and know-hows through Open Source and enable initiation and implementation of RiR elsewhere.

The objective is both to respond to the local challenges faced by Mulhouse, and to make it a sufficiently documented, inspiring and convincing example to generate viral dissemination in other places and accelerate the scaling-up of this new circular economy model with high social, economic and environmental impact.

PROJECT main result(s)

Mulhouse becomes a demonstrator of reactivation for a territory, serving common good and people. The processes, innovations and resources of this demonstrator are open to all. They are tested by communities of practice, and used for the development of other territories with the same approach. The brownfield hosting the project nurtures an ecosystem with prototyping workshops, a Materials Lab, educational areas, a Medialab, a RiR House showcasing innovative goods locally designed and produced, a RiR Academy and incubator to allow project leaders – including those from poor districts – to scale up, a Talent Hostel for experience stays, HITAs who come to experience new solutions. RiR relays located in key areas of the city spread RiR approaches and collect citizens' wishes to participate. Decentralized RiR activities in other urban and rural areas start dissemination in the Région Grand Est, while fast-moving communities in France and in Europe gather to duplicate RiR. Mobility and experiments on vehicles designed locally by multidisciplinary teams including HITAs help rethink mobility in the territory.

Inspired by Mulhouse – the new "French Manchester" demonstrator – RiR becomes a common culture shared by a wide audience and, ultimately, an evidence. The replicability of the model allows RiR communities and locations to thrive elsewhere in France. In these places everyone can come to learn, train, repair or improve products designed to be repairable from the start. Makers, creatives, citizens and enthusiasts are connected to an international RiR network sharing the same values and goals: fair and sustainable development. Shared databases of products/services and spare parts inventories help solving problems in a decentralized way across sites. Remastered technology and the associated products/services find a new meaning through sustainable and virtuous uses, answering real needs.

C.3.2 Outputs

Work package	Output Number	Project output	Target value of project expected output(s)
WP.4 Research on the transformation of unused materials and objects	O 4.1.1	Main deposits mapping	1
	O 4.1.2	Database of best practices tested or in experiment	1
	O 4.2.1	Materials Lab equipped with all facilities	1
	O 4.3.1	Awareness of materials and manufactured waste deposits potential value-added	1
	O 4.4.1	Waste collection and analysis in City/s canals	1
	O 4.4.2	Innovative use of data collected	3
	O 4.4.3	River Whale local and sustainable prototype	1
	O 4.5.1	Awareness and participation of inhabitants of the 2 districts and visibility in the whole territory	1
WP.5 Prototyping of new products, uses and production methods	O 5.1.1	Best practice database	1
	O 5.1.2	International RiR expert network	1
	O 5.2.1	The RiR factory	1
	O 5.3.1	New prototypes created and tested	20
	O 5.3.2	Prototypes of sensors and data sharing framework	1
	O 5.3.3	Methodology to prototype sensors	1
	O 5.3.4	Dynamic communities of makers and experts	1
	O 5.3.5	Education and awareness building	1
	O 5.4.1	Database creation	1
	O 5.4.2	Learning tools	1
	O 5.4.3	Opensource documentation	1
WP.6 From prototype to industry, entrepreneurship at large scale	O 6.1.1	RiR Academy entrepreneur kit	1
	O 6.1.2	Net-up methodology and set-up	1
	O 6.1.3	Creation of a fertile Net-ups ecosystem	10
	O 6.2.1	RiR incubator	1
	O 6.2.2	Creation of high potential company businesses	7
	O 6.2.3	Business creation	30
	O 6.2.4	Fertile ecosystem of enthusiasts, makers, creatives and entrepreneurs	1
	O 6.3.1	Dynamic economic players creating societal value	1
	O 6.3.2	The RiR House	1
WP.7 A role and a mission for Hidden Talents (HITAs)	O 7.1.1	Attract +30% "off the radar" young people with RiR	160
	O 7.1.2	Involve 100 volunteers/associations in prototyping cycles	100
	O 7.1.3	Involve 100 vulnerable people in integration cycles	100
	O 7.2.1	Increase the contribution to improving wellbeing in the city	40
	O 7.3.1	5 RiR relays in 5 impoverished neighbourhoods	5
	O 7.3.2	Regular meetings at the Maisonnette on the market place	24
WP.8 Investment to set-up the Talent Hostel	I 8.1	Development of the Talent Hostel	1

Measurement of results

RtR is a cross-cutting project including the economic, social and ecological dimensions. It aims at scaling up based on the diffusion of innovative models and a cultural change. As a result, the output indicators are distributed into 4 complementary dimensions (3 at local level, one at global level).

Economic:

1. Creation of Net-ups addressing local and global priorities
2. Creation of large-scale start-ups and launch of high-potential activity clusters
3. Economic value created by start-ups for users and entrepreneurs

Social:

1. Reactivation of HITAs - New skills developed within Net-ups - Number of HITAs who returned to an activity
2. Number of people reached by RtR actions - In low income districts - Inhabitants in general
3. RtR fuels public policies
4. Citizen engagement in Mulhouse ("French Manchester")

Ecological:

1. Creation of the Materials Lab
2. Integrated operation with public and private waste players, which allows a significant percentage of priority resources to be recovered and short supply chains to be created
3. Creation and dissemination of a RtR culture at local level based on a sustainable and ecological consumption

Global impact

1. Transfer of new RtR models: Net-ups, prototypes and dissemination spaces based on RtR Factory
2. Launch of a global RtR culture: awareness about RtR benefits and actions, creation of a collective brand and/or powerful symbols, for use in public spaces and manufacturing sites in other territories.

Result indicators

Name	Description	Unit	Baseline	Target Value
Net-ups creation	Selection of topics addressing local and global priorities	Number	0	10
Creation of large-scale start-ups and initiation of promising activity clusters	Potential for development at national, European or even global level	Number	0	7
Economic value created by start-ups for users and entrepreneurs	- Manufacturing costs and final selling price - Savings due to local recovery and creation of components - Enhancement of the repairing activity - 20 to 80% reduction in costs and selling prices - Activity and revenue from repair over several years	%	0	40
New skills developed within Net-ups	Valuation of RtR-related know-hows: creativity (narrative, art), community-building, design, sourcing, recycling, repair - Each HITA involved has discovered at least a new know-how - 20 to 30% continue to experiment - 5 to 20% are involved in an entrepreneurial path	%	0	20
Number of HITAs who have returned to an activity	From trigger to involvement: follow-up of individual paths	Number	0	300
Number of people reached by RtR actions	- In the districts: use of containers in urban policy priority districts (QPV) - Inhabitants: awareness rate and participation in demonstrations and workshops at the Factory, and general public events 30% of target audiences are aware of RtR, 10 to 15% have participated at least once	%	0	30
RtR fuels public policies	Integration of RtR innovations in public policies The main integration, diversity, circular economy policies are periodically reviewed in light of RtR progress for inspiration At least 3 innovations are used by public authorities	Number	0	6
Citizen participation in Mulhouse ("French Manchester")	Degree of involvement of citizens and private players in materials cycle management, uptake of circular economy 30% of citizens have heard about RtR, 10 to 15% participate	%	0	30

Name	Description	Unit	Baseline	Target Value
Creation of the Materials Lab	Place storing samples of materials deposits to explore in order to design prototypes, and hosting materials processing equipment	Number	0	1
Laboratory operating in an integrated way with waste management stakeholders	Recovery of priority resources and creation of short supply chains Participation of key players (50 to 75% of stakeholders join the project, making it possible to agree on the processing of 100% of priority resources) Successful chain integration	%	0	75
Creation and diffusion of a RtR culture promoting responsible and sustainable consumption in Mulhouse	- raising awareness about gains on ecological footprint, kilometers traveled, waste reduction - logo and/or communication identifying partners and locations where it is possible to come and learn as well as participate to RtR actions 30% of inhabitants have heard about RtR, 20% have changed consumption habits	%	0	30
Export of new RtR models	- highlighting Net-ups models, prototypes and disseminating spaces inspired by RtR Factory - Dissemination in other territories	Number	0	3
Launch of a global RtR culture	- RtR's visibility - sharing solutions, educational materials, tutorials, spare parts - 1 collective brand / public symbols created - RtR locations created in other territories disseminate the "Make" culture - 5000 followers on social media	Number	0	1

C.3.4 Methodology for monitoring and measurement of outputs and results

Methodology for monitoring and measurement of outputs and results

The outputs and results measurement methodology includes:

- Quantitative and qualitative follow-up of creations as they arise (creation of Net-ups addressing local and global priorities, creation of large-scale start-ups and launch of promising activity clusters, creation of the Materials Lab, opening spaces dedicated to RtR)
- Monitoring of economic and material flows resulting from the local prototyping activity (manufacturing costs, quantity of components, goods or materials used)
- A periodic feedback from the Materials Lab and from players of the activity cluster involved in the process, in order to evaluate impacts on key resources, development of short supply chains
- Sensors data collection (material flow, air and water quality, use data) and their analysis with stakeholders to involve and raise awareness broadly
- Quantitative and qualitative monitoring of participants to workshops and general public events in Mulhouse (HITAs, inhabitants, persons from outside the territory)
- Target audience surveys (HITAs in urban policy priority districts QPV, Mulhouse inhabitants, region) to evaluate awareness about the program and citizen involvement in the RtR culture (learning by Doing, responsible and ecological consumption)
- At global level, periodic review of the outcomes with the project partners (evaluation of RtR models and their potential, impact of actions in dissemination territories, visibility in local and national media and on social networks). At the end of the project, an impact and visibility study may be planned at national level in connection with RtR 1.

C.3.5 Target groups

Target Groups

- Net-ups players: makers, artists, entrepreneurs and enthusiasts, who can experiment and even create businesses (5 to 10 Net-ups)
- HITAs: they play a primary role in experiments and benefit from open access to solutions, they develop their skills by Making (100 to 500 people)
- Private or semi-public players (industrials, laboratories, research centers, social insertion structures): they have access to innovations and prototypes developed, and may even develop new activity clusters (10 to 20 players)
- Broad public: raised awareness through RtR House, scheduled events, citizen actions and hence will be encouraged to adopt more sustainable lifestyles

C.4 Project Project scaling up and transferability

C.4.1 Scaling up of the project

Scaling up of the project

From the beginning, scaling up is an integral part of the project. Experimented in Mulhouse, the project will anchor RtR, create the "base camp" and foster a virtuous dynamic in the territory. At the end of the project (3 years), dissemination of RtR will take off naturally in other territories, through project partners (dissemination territories). Development and replication in other European territories are also foreseen in the project with the following means:

- In their communication, RtR association, its international network and Motoco define and highlight Mulhouse as the demonstrator of their end goal: develop European territories through RtR
- All carried out actions will be documented and shared online in an open source database. RtR association implements a community dynamic to improve the database and accelerate knowledge transfer
- Pioneers of RtR and development of common goods in Open source / Open hardware are at the heart of the project (SZOIL, Makers Rennes, Bretagne, Drôme, Nantes, Fabrique des Mobilités)
- The scheduled events will host participants from all over France, neighboring countries (Germany and Switzerland) and professionals of various nationalities
- The Talent Hostel is designed to offer full stay experiences to potential RtR project leaders from other places
- The incubator and the economic valorization of projects with the Net-ups model will enable projects to shine at a regional, national and international scale. It will be an attraction factor for other projects being imagined outside the territory.

C.4.2 Transferability of the project: evidence of demand for your project in other cities

Transferability of the project: evidence of demand for your project in other cities

Most urban authorities which have experienced industrial decline, at European and global level, face the same issues addressed by the project:

- an employment shortfall due to a delocalization of production,
- a growing social divide that undermines political action,
- over-consumption of products with an overly short life cycle, which increases the trade deficit and causes major waste management issues,
- a depletion of natural resources that restricts the development of historical activities,
- an academic system which no longer knows how to identify and develop talents outside the traditional system,
- a technological acceleration about to seize power on the people, yet overflowing local energies which reflect the individuals' search for their role.

The experience in Mulhouse will offer concrete solutions that break down barriers within a territory and position its development in a cross-cutting approach: unused resources to collectively create common goods which are economically valued. Based on the feedback from the Mulhouse demonstrator and from the international experts network of RtR, RtR deployment will easily find anchors in other territories without overthrowing what already is virtuous in the local public and private ecosystem.

The cities of Marseille, Rennes, Brest, Nantes, Nancy, Lyon, the Vallée de la Drôme community of municipalities will already be represented as stakeholders of the mulhousian project, and the cities of the Innovative Red Brick Cities network will be involved in the project's development throughout its implementation, enabling its quick replication. Lastly, the various steps will be documented and tailored to the specific context of each territory. To increase transferability, a video will show the main stages of the project. The video could serve as a first step to lectures, specialized press articles for research and industrial teams, as well as for a wider audience.

C.5 References

C.5.1 References of the project

References

<http://www.motoco.fr>: location of the RtR Factory
<https://wiki.crapaud-fou.org/RightToRepair>: first RtR experiment
<https://www.szoil.org/team/>: FabLab (Shenzhen) of David Li, RtR pioneer

Part D - Work plan

WP Nr.	Title	Work package type	Start date	End date
1	Preparation	Preparation	09/2019	06/2020
2	Project Management	Project Management	07/2020	06/2023
3	Communication	Communication	07/2020	06/2023
4	Research on the transformation of unused materials and objects	Implementation	07/2020	06/2023
5	Prototyping of new products, uses and production methods	Implementation	07/2020	06/2023
6	From prototype to industry, entrepreneurship at large scale	Implementation	07/2020	06/2023
7	A role and a mission for Hidden Talents (HITAs)	Implementation	01/2021	06/2023
8	Investment to set-up the Talent Hostel	Investment	09/2020	06/2023
9	Closure and knowledge transfer	Closure	07/2023	06/2024



Number	WP Title	Start Date	End Date	WP budget
1	Project preparation	16/09/2019	30/06/2020	20,000.00

Partners' involvement

WP responsible partner Milhouse Alsace Agglomeration (m2A)

Summary

Preparation and submission of the application form

Work Package Budget

Partner name	Staff cost (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and construction works (€)	Sub-Total (€)	Revenues (€)	Total (€)
Milhouse Alsace Agglomeration (m2A)	0.00	0.00	0.00	20,000.00	0.00	0.00	0.00	0.00	20,000.00

Work Plan Per Work Packages - WorkPackage 2 (Project Management Work Package)

Title	Project management
Start Date	01/07/2020
End Date	30/06/2023
Budget	498,000.00

Partners Involvement

Responsible Partner	PP 1 - Mulhouse Alsace Agglomeration (m2A)
Involved Partners	PP 1 - Mulhouse Alsace Agglomeration (m2A) PP 2 - City of Mulhouse PP 3 - Motoco&co PP 4 - RIR PP 5 - Openfab PP 6 - Technistub PP 7 - Industrial Society of Mulhouse PP 8 - EES Clemessy PP 9 - Grand-Est Region PP 10 - Manufactory Incubator PP 11 - E-nov Campus PP 12 - Art and matter PP 13 - Jacob Holm Industry France PP 14 - H2OPE PP 15 - Makeme PP 16 - Time for the Planet PP 17 - Sémaphore Mulhouse Sud Alsace PP 18 - TUBA Mulhouse South Alsace PP 19 - CETIM Grand-Est PP 20 - MCA Carnot Institute

Summary	<p>PP4 will support PP1 for the operational implementation of the project and be in charge of managing the entire project under PP1's supervision. PP1 will be informed in real time about the project's progress and ongoing actions and will be able to intervene anytime to enquire about the progress and any variances with the planned timeframe. PP4 and PP1 will review the progress 1 time/month, jointly organise 2 steering committees (SCs)/year and technical meetings 4 times/year. PP4 will set up a project team including: a project manager and an assistant; contact for all stakeholders; project coordination and facilitation, administrative and financial follow-up, communication with partners, in addition to the collaborative platform; a project director in charge of the overall project steering; ensuring consistency of the items and reports produced during the project period, leading the SCs alongside m2As reference elected official. The project team will be supported by several resources from PP1 and PP2 departments : Economic development, Mobility, Social Cohesion and Urban Policy, Sustainable Development. Lastly, PP4 will analyse the project in order to record experiences and ensure mutual understanding between all project stakeholders. In order to provide a transparent distribution of work, partners will implement solid and flexible project management guidelines which will be included in a partnership agreement.</p>
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Activities and Deliverables

Activity number	Activity title	Activity description and partners involved	Start date	End date
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A2.1	Partnership coordination and project management	<p>The coordination of the strategic, operative and financial management of the project is assigned to the RtR association. RtR provides assistance to partners for both technical and financial issues through the project manager, with the support of the WP coordinators. The project manager will be in charge of conducting the technical meetings between partners that will take place every 3 months. The steering committee, where each partner is represented, will be the main governing body and will meet twice a year. It will be chaired by m2A. Each member is allotted one vote and decisions are taken by majority vote. Extraordinary steering committees may be organised if necessary.</p>	Start date 01/07/2020	End date 30/06/2023
	Deliverable number	Deliverable and partners involved	Target value	Delivery date
D 2.1.1	Title Project partners meetings	Description The aim is to share project results with all partners, to identify any obstacles and risks. The first meeting will be held in the fall of 2020. Subsequently, they will be organised 4 times each year. Members of wider stakeholders may be invited on demand.	Target value 11	Delivery date 30/06/2023
D 2.1.2	Title Steering committees meetings	Description The aim is to present the project's progress to the various project stakeholders, including key achievements and results. The steering committee's first meeting will be organised at the project launching (kick-off) and then twice a year.	Target value 6	Delivery date 30/06/2023
D 2.1.3	Title Thematic expert groups	Description These groups will take place during seminars or stays with stakeholders from RtR's global network (WP5), guests to discuss or react on various aspects: technical, economic, social, etc. Estimated number: 2/year. Members of wider stakeholders may be invited on demand.	Target value 6	Delivery date 30/06/2023

A.2.2	Communication and participative work	A collaborative platform will be implemented to foster cooperation, information sharing and interaction between partners. It will also be accessible to other project stakeholders with different confidentiality settings. Anyone will be able to comment and contribute to the platform, that will include all recorded outputs. Some elements will be released to the wider public (opensource goal) once they have been matured in the collaborative platform. Thematic groups will be created in order to be able to include any occasional external contribution or specialist contributor.	Start date 01/07/2020	End date 30/06/2023						
	Deliverable number D 2.2.1	<table border="1"> <thead> <tr> <th colspan="2">Deliverable and partners involved</th> </tr> </thead> <tbody> <tr> <td data-bbox="363 461 512 510">Title</td> <td data-bbox="512 461 1161 510">Collaborative platform</td> </tr> <tr> <td data-bbox="363 517 512 607">Description</td> <td data-bbox="512 517 1161 607">The collaborative platform will enable to link the different project stakeholders to create an attractive and dynamic "community" of members. It will include discussion tools, a database for each topic, a calendar, research literature and progress.</td> </tr> </tbody> </table>	Deliverable and partners involved		Title	Collaborative platform	Description	The collaborative platform will enable to link the different project stakeholders to create an attractive and dynamic "community" of members. It will include discussion tools, a database for each topic, a calendar, research literature and progress.	Target value 1	Delivery date 30/09/2020
Deliverable and partners involved										
Title	Collaborative platform									
Description	The collaborative platform will enable to link the different project stakeholders to create an attractive and dynamic "community" of members. It will include discussion tools, a database for each topic, a calendar, research literature and progress.									

A.2.3	Monitoring and assessment procedures	<p>A quality assurance plan will be developed at the beginning of the project to ensure a comprehensive approach for all project activities. It will include assessment requirements covering both the assessment of the project itself (partnership, management, communication, etc.) and the assessment of the project results. The indicators will be defined jointly, and monitoring will be carried out by the project manager. A risk management plan will be produced at the beginning of the project in order to identify the risks related to the project, assess its criticality and identify preventive and curative measures should the risk materialise. The project manager will update it regularly.</p>	<p>Start date 01/07/2020</p>	<p>End date 30/06/2023</p>								
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p> <table border="1"> <tr> <td data-bbox="368 477 512 524">Title</td> <td data-bbox="512 477 1157 524">Regular project monitoring</td> </tr> <tr> <td data-bbox="368 524 512 645">Description</td> <td data-bbox="512 524 1157 645">Reports will be produced every 6 months before each steering committee and will provide information on the activities carried out and their outcomes. The reports will include both feedback on earlier activities and recommendations for upcoming ones. The last report will provide recommendations on the sustainability, replicability and transfer of project results.</td> </tr> <tr> <td data-bbox="368 645 512 696">Title</td> <td data-bbox="512 645 1157 696">Regular monitoring of the risk management plan</td> </tr> <tr> <td data-bbox="368 696 512 801">Description</td> <td data-bbox="512 696 1157 801">Risks are periodically reviewed and verified at steering committee meetings. Potential discrepancies and risks related to the various assignments, activities, outputs and milestones during the project will be identified.</td> </tr> </table>	Title	Regular project monitoring	Description	Reports will be produced every 6 months before each steering committee and will provide information on the activities carried out and their outcomes. The reports will include both feedback on earlier activities and recommendations for upcoming ones. The last report will provide recommendations on the sustainability, replicability and transfer of project results.	Title	Regular monitoring of the risk management plan	Description	Risks are periodically reviewed and verified at steering committee meetings. Potential discrepancies and risks related to the various assignments, activities, outputs and milestones during the project will be identified.	<p>Target value</p> <p>6</p>	<p>Delivery date</p> <p>30/06/2023</p>
Title	Regular project monitoring											
Description	Reports will be produced every 6 months before each steering committee and will provide information on the activities carried out and their outcomes. The reports will include both feedback on earlier activities and recommendations for upcoming ones. The last report will provide recommendations on the sustainability, replicability and transfer of project results.											
Title	Regular monitoring of the risk management plan											
Description	Risks are periodically reviewed and verified at steering committee meetings. Potential discrepancies and risks related to the various assignments, activities, outputs and milestones during the project will be identified.											

A2.4	Reporting procedures	<p>The coordinator ensures that deadlines are met for the collection of both technical and financial reports every 6 months. He communicates with the UIA secretariat. He is in charge of the consolidation and timely delivery of project progress reports and other requested outputs, such as the final project report. He will review the budgetary situation at the steering committee and inform the project director if there is a risk related to the planned budget (non-compliance with the budget, expenses do not follow the planned timetable, etc.). Financial reports are reviewed by the steering committees. In the event of a budget vision, the paying agent arranges an ad hoc meeting with the partners.</p>	Start date 01/07/2020	End date 30/06/2023
	Deliverable number	Deliverable and partners involved	Target value	Delivery date
D 2.4.1	Title	Technical and financial reports	Target value 6	Delivery date 30/06/2023
	Description	Technical and financial reports will be issued every 6 months		
D 2.4.2	Title	Progress and final reports	Target value 6	Delivery date 30/06/2023
	Description	Progress and final reports will be sent to the UIA Permanent Secretariat.		

A2.5	Capitalisation	<p>This activity will include: - using the consultant time made available by UIA to obtain advice and guidance on the content of the action, assistance in developing the documentation and results to be disseminated, support to ensure that the action remains on track and in line with the initial proposal; - participate in the activities of the Urban Development Network (UDN) and the Urban Agenda Working Groups; - participate in national/international conferences to share lessons learned and good practices on an ongoing basis throughout the project; - communicate through the relevant regional and/or national networks or through the information, sharing and support networks such as European Circular Economy Stakeholder Platform.</p>	Start date 01/07/2020	End date 30/06/2023						
	Deliverable number D 2.5.1	<table border="1"> <thead> <tr> <th colspan="2" data-bbox="363 421 1166 488">Deliverable and partners involved</th> </tr> </thead> <tbody> <tr> <td data-bbox="363 488 518 539">Title</td> <td data-bbox="518 488 1166 539">Summary reports</td> </tr> <tr> <td data-bbox="363 539 518 651">Description</td> <td data-bbox="518 539 1166 651">They will provide advice and orientations on original context and needs, results, original nature of the process, implementation requirements and recommendations. A progress report and a final report will also be published.</td> </tr> </tbody> </table>	Deliverable and partners involved		Title	Summary reports	Description	They will provide advice and orientations on original context and needs, results, original nature of the process, implementation requirements and recommendations. A progress report and a final report will also be published.	Target value 2	Delivery date 30/06/2023
Deliverable and partners involved										
Title	Summary reports									
Description	They will provide advice and orientations on original context and needs, results, original nature of the process, implementation requirements and recommendations. A progress report and a final report will also be published.									

Work Package Budget								
PP 1 - Mulhouse Alsace Agglomeration (m2A)	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Monthly meetings with RtR: 2 pers./meeting	N/A						
Amount (€)	7,826	1,173.90	0	0	0	8,999.90	0	8,999.90
PP 2 - City of Mulhouse	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 3 - Motoco&co	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 4 - RtR	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	3 FTE: project manager, director, assistant	N/A	2 travels to China in 3 years, 7 travels/pers/year in the other partner territories					
Amount (€)	352,174	52,826.10	75,000	0	0	480,000.10	0	480,000.10
PP 5 - Openfab	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 6 - Technistub	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 7 - Industrial Society of Mulhouse	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 8 - EES Clemessy	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00

PP 9 - Grand-Est Region	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00

PP 10 - Manufactory Incubator	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A	Travel expenses to Mulhouse for technical meetings					
Amount (€)	0	0.00	3,000	0	0	3,000.00	0	3,000.00

PP 11 - E-nov Campus	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00

PP 12 - Art and matter	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00

PP 13 - Jacob Holm Industry France	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00

PP 14 - H2OPE	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00

PP 15 - Makeme	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A	Travel expenses to Mulhouse for technical meetings					
Amount (€)	0	0.00	3,000	0	0	3,000.00	0	3,000.00

PP 16 - Time for the Planet	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A	Travel expenses to Mulhouse for technical meetings					
Amount (€)	0	0.00	3,000	0	0	3,000.00	0	3,000.00

PP 17 - Sémaphore Mulhouse Sud Alsace	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 18 - TUBA Mulhouse South Alsace	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 19 - CETIM Grand-Est	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 20 - MICA Carnot Institute	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
Total (€)	360,000.00	54,000.00	84,000.00	0.00	0.00	498,000.00	0.00	498,000.00



Indicative budget breakdown per year					
Year	2020	2021	2022	2023	Total
Amount (%)	10 %	30 %	30 %	30 %	100.00 %
Budget (€)	49,800.00	149,400.00	149,400.00	149,400.00	498,000.00

Work Plan Per Work Packages - WorkPackage 3 (Communication Work Package)

Title	Communication
Start Date	01/07/2020
End Date	30/06/2023
Budget	725,499.50

Partners Involvement

Responsible Partner	PP 4 - RiR
Involved Partners	PP 1 - Mulhouse Alsace Agglomeration (m2A) PP 2 - City of Mulhouse PP 3 - Motoco&co PP 4 - RiR PP 5 - Openfab PP 6 - Technistub PP 7 - Industrial Society of Mulhouse PP 8 - EES Clemessy PP 9 - Grand-Est Region PP 10 - Manufactory Incubator PP 11 - E-nov Campus PP 12 - Art and matter PP 13 - Jacob Holm Industry France PP 14 - H2OPE PP 15 - Makeme PP 16 - Time for the Planet PP 17 - Sémaphore Mulhouse Sud Alsace PP 18 - TUBA Mulhouse South Alsace PP 19 - CETIM Grand-Est PP 20 - MICA Carnot Institute

Summary	<p>Communication is central for the scaling up of the project, the creation of a new culture and the replicability of the project. This WP is about building awareness and disseminating RiR philosophy, solutions and processes so as to engage key players and stakeholders into action:</p> <ul style="list-style-type: none"> - entrepreneurs, makers and creative communities so as to disseminate RiR solutions and propel implementation at local level and beyond; - hidden talents (HITAs) at local level and beyond as main beneficiaries of the project activities; - local public authorities, industrials, research centers, academics, so as to go from experiment to wider recognition and prepare scaling up. <p>It also aims to reach a broader public at local, regional, national levels and beyond in order to initiate a culture change. Internal communication is designed to share progress on an ongoing basis, reinforce collaboration between project partners and initiate virtuous learning / making loops integrating stakeholders locally and beyond.</p> <p>Main communication tools are declined according to the different target groups and include a broad range of events (makhathons, hackathons, recreational ones), traditional (TV, radio, print) and online media (website, blogs, social networks). Focus will be put on community-based media (collaborative platform, wikis, MOOCs and tutorials). An important part of RiR ecosystem is the creation of databases with open source/open hardware content, fostering viral diffusion via P2P networks.</p>
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Communication objective	<p>External communication activities are intended primarily to inform and engage hidden talents at local level and beyond; entrepreneurs and creative communities so as to enhance and disseminate RiR at local level and beyond. Secondly, external communication activities aim to reach a wider audience, in order to initiate a culture change (demonstration role). Internal communication is designed to share progress throughout learning and generate virtuous and accelerating synergies.</p>
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Target groups	<ol style="list-style-type: none"> 1. HITAs 2. Local population and general public 3. Entrepreneurs 4. Creatives / Makers 5. Economic / business / research communities 6. Urban authorities 7. Partners and stakeholders
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Activities and Deliverables

Activity number	Activity title	Activity description and partners involved	Start date	End date
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A3.1	Kick-off activities	<p>Kick-off activities are combined as part of a large one-day event to launch the project. This event marks the beginning of the piloting on circular economy in Mulhouse through various activities organised during that day. Involved partners: all</p>	<p>Start date 01/07/2020</p>	<p>End date 30/06/2023</p>
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p>	<p>Target value</p>	<p>Delivery date</p>
D 3.1.1	<p>Title</p>	<p>Kick-off conference</p>	<p>Target value 1</p>	<p>Delivery date 30/11/2020</p>
	<p>Description</p>	<p>Aim: creating a collective momentum and an innovation-friendly environment as the project is launched. 2000 invitations will be sent out for the public kick-off conference, which involves fostering understanding and presenting the key local challenges in this field. Participants: wide audience of urban stakeholders, actively involved in the circular economy. Involved partners: all</p>		
D 3.1.2	<p>Title</p>	<p>Educational space during the opening conference</p>	<p>Target value 1</p>	<p>Delivery date 30/11/2020</p>
	<p>Description</p>	<p>An educational space is available to participants simultaneously to the opening conference, at the same location. It aims at providing an understanding of circular economy, resource depletion, the RfR process. It is open to a wide audience and sets out to promote the project's goals and opportunities to the public. Involved partners: m2A, City of Mulhouse, RfR, Mbtoco&co</p>		

A3.2	Organising events	<p>This activity is intended to create events for a wide audience to experience the creative process, to learn, try, to be challenged, to be supported or to share ideas. Events will take place in building 75 (which hosts Mbtoco&co) on DMC site.</p> <p>Involved partners: Mbtoco&co, RtR, Makeme</p>	<p>Start date 01/12/2020</p>	<p>End date 30/06/2023</p>
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p>	<p>Target value</p>	<p>Delivery date</p>
D 3.2.1	<p>Title</p>	<p>Open doors</p>	<p>Target value 20</p>	<p>Delivery date 30/06/2023</p>
	<p>Description</p>	<p>Few months after its opening, the RtR Factory will open its doors on every first Sunday of the month to allow a wide audience to discover its infrastructures, progress and methods of creation. Once some prototypes are ready for use (WP5), locals will be offered to test them. Information about these events will be made available on the website and in the opensource database if applicable. Frequency: 1 Sunday/month. Involved partners: Mbtoco&co, RtR</p>		
D 3.2.2	<p>Title</p>	<p>Hackathons</p>	<p>Target value 2</p>	<p>Delivery date 30/04/2023</p>
	<p>Description</p>	<p>Two 5-days hackathons will be organised from the second year on. They will bring together 60 participants, 10 teams, 10 coaches and 10 Open source librarians. Projects restitutions will be circulated live during the event through a "exhibitionation" to test the prototypes and gather the users' initial reactions. The participants will also present the results in plenary at the end of the event. All projects will be documented and included in an open source database. Involved partners: Makeme, Mbtoco&co, RtR</p>		
D 3.2.3	<p>Title</p>	<p>General public event</p>	<p>Target value 2</p>	<p>Delivery date 31/05/2023</p>
	<p>Description</p>	<p>From the second year, a two-day general public event/year will be organised for Makers from all over Europe to present their project and discover the experimentation in Mulhouse, which will allow it to be diffused on a larger scale. The event will host about a hundred Makers stands as well as about twenty public workshops for each visitor walking in to become a Maker. Conferences, panel discussions and forums will be held to present and develop the opportunity and the challenges of the RtR project. All activities will be filmed and documented in order to be included in an open source database. Involved partners: Mbtoco&co, RtR</p>		
D 3.2.4	<p>Title</p>	<p>Development of full experience stays</p>	<p>Target value 8</p>	<p>Delivery date 30/06/2023</p>
	<p>Description</p>	<p>Organisation of 8 full experience stays, ranging from 2 days to several weeks, for entrepreneurs and creatives from other areas. Tailored thematic stays organised according to partners, topics and progress. Hosts will be accommodated in the Talent Hostel as soon as it will be operational. 3 types of thematic stays will be developed and disseminated in entrepreneurial networks in France, Switzerland and Germany. Stays may be organised on request for companies. The aim is to welcome 20 people the first year, double this number in year 2 and year 3. Involved partners: RtR, Mbtoco&co</p>		
D 3.2.5	<p>Title</p>	<p>Organisation of off-site events</p>	<p>Target value 6</p>	<p>Delivery date 30/06/2023</p>
	<p>Description</p>	<p>Creating learning communities outside the territory by organizing RtR events in other locations. Interconnect these events to make them a real journey of meeting and investigating new technical and technological fields. Frequency: 3 off-site events yearly from the second year. Involved partners: Makeme, RtR</p>		

A.3.3	Publishing activity	<p>The partners will produce two publications in order to disseminate the project's results, in line with the progress report and the final report. The first publication will be presented in December 2021 and include information about the site's new activities, their scope, progress, as well as the expected impact on the site itself and the area. The final publication will present the most successful stories and interviews with the activities' initiators. The two publications will be issued in English and in French. An overview of all carried out activities, including a comprehensive report about the economic benefits and impact on the area and its inhabitants will be published at the end of the project. Involved partners: m2A, RfR</p>	Start date <input type="text" value="01/07/2020"/>	End date <input type="text" value="30/06/2023"/>				
	Deliverable number <input type="text" value="D 3.3.1"/>	Deliverable and partners involved <table border="1"> <tr> <td data-bbox="370 495 513 539">Title</td> <td data-bbox="513 495 1161 539"><input type="text" value="Publications"/></td> </tr> <tr> <td data-bbox="370 539 513 645">Description</td> <td data-bbox="513 539 1161 645"> 3 publications published in 2000 copies each at least and distributed to all stakeholders, sent to the press and the media. Involved partners: m2A, RfR </td> </tr> </table>	Title	<input type="text" value="Publications"/>	Description	3 publications published in 2000 copies each at least and distributed to all stakeholders, sent to the press and the media. Involved partners: m2A, RfR	Target value <input type="text" value="3"/>	Delivery date <input type="text" value="30/06/2023"/>
Title	<input type="text" value="Publications"/>							
Description	3 publications published in 2000 copies each at least and distributed to all stakeholders, sent to the press and the media. Involved partners: m2A, RfR							

A3.4	Online activity	<p>Creation of a website, which will provide information about the project: activities, results, related events and include a video as well as a photo library. Furthermore, social media will be used to create a comprehensive virtual identity for the project, build a network and foster dialogue with target groups. A web television will present the activities. These channels will maximise the project's online presence, allow a greater interaction with target groups and stakeholders, help to engage audiences, build new online communities and create a network with similar urban realities. Involved partners: m2A, RiR, Mbtoco&co</p>	<p>Start date 01/07/2020</p>	<p>End date 30/06/2023</p>
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p>	<p>Target value</p>	<p>Delivery date</p>
D 3.4.1	<p>Title</p>	<p>Website</p>	<p>Target value 1</p>	<p>Delivery date 30/06/2023</p>
D 3.4.2	<p>Description</p>	<p>Website in French and English dedicated to the RiR project detailing all activities and events, enabling all experience feedbacks and project resources to circulate. Involved partners: m2A, RiR, Mbtoco&co</p>	<p>Target value 5</p>	<p>Delivery date 30/06/2023</p>
D 3.4.3	<p>Title</p>	<p>Social networks and media</p>	<p>Target value 1</p>	<p>Delivery date 31/01/2021</p>
	<p>Description</p>	<p>Decentralized collaborative platform</p>	<p>Target value 1</p>	<p>Delivery date 31/01/2021</p>
	<p>Description</p>	<p>Implementation of a decentralized, open source, collaborative platform to facilitate information sharing and cooperation between partners. Using open source applications, the platform will be available to external stakeholders and easily replicable. Involved partners: Makeme, RiR</p>		

A3.5	Final dissemination actions	<p>These actions include broad networking activities, a transnational diffusion and the organisation of the final conference (2023). The closing conference will gather all involved stakeholders, public authorities and experts who will report and discuss the project's outcomes and the transfer methods initiated as well as the ones to come. The role of each partner in engaging with their own networks is key to a decentralized communication reaching a wider audience. Partners will dedicate a lot of time over the course of the project to contribute to the final dissemination actions. Involved partners: m2A, City of Mulhouse, Mbtoco&co, RfR</p>	<p>Start date</p> <p>01/07/2020</p>	<p>End date</p> <p>30/06/2023</p>
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p>	<p>Target value</p>	<p>Delivery date</p>
D 3.5.1	<p>Title</p>	<p>Closing conference</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>30/06/2023</p>
	<p>Description</p>	<p>The closing conference, organized in Mulhouse is targeting a political reach as broad as possible. The aim is to share the experimentation results and involve all stakeholders in developing a circular economy based on the RfR process. Involved partners: m2a, City of Mulhouse, RfR, Mbtoco&co</p>		
D 3.5.2	<p>Title</p>	<p>Video making</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>30/06/2023</p>
	<p>Description</p>	<p>Making of a video with project's highlights, screened at the closing conference, posted on the project's website and on social networks, to show the project's key outputs. It will be available to every person wishing to replicate the project. Involved partners: m2A, City of Mulhouse, Mbtoco&co, RfR</p>		

Work Package Budget

PP 1 - Mulhouse Alsace Agglomeration (m2A)	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A		Final report and final conference				
Amount (€)	0	0.00	0	60,000	0	60,000.00	0	60,000.00
PP 2 - City of Mulhouse	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 3 - Motoco&co	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	1/3 Time eq.man/ community manager	N/A		1 publication / year + website creation, adjustment and development + Organization of open doors once a month from the second year				
Amount (€)	39,130	5,869.50	0	48,000	0	92,999.50	0	92,999.50
PP 4 - RtR	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A	Trips for 3 events in other territories for 3 persons	Collaborative platform development	IT fees and digital tools for the collaborative platform			
Amount (€)	0	0.00	30,000	130,000	32,500	192,500.00	0	192,500.00
PP 5 - Openfab	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 6 - Technistub	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 7 - Industrial Society of Mulhouse	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 8 - EES Clemessy	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00

PP 9 - Grand-Est Region	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 10 - Manufactory Incubator	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 11 - E-nov Campus	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 12 - Art and matter	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 13 - Jacob Holm Industry France	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 14 - H2OPE	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 15 - Makeme	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A		Expertise in immersive stays and experts participation in 3 deported events + organisation and communication for 2 general public events and 2 hackathons				
Amount (€)	0	0.00	0	380,000	0	380,000.00	0	380,000.00
PP 16 - Time for the Planet	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00

PP 17 - Sémaphore Mulhouse Sud Alsace	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 18 - TUBA Mulhouse South Alsace	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 19 - CETIM Grand-Est	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 20 - MICA Carnot Institute	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
Total (€)	39,130.00	5,869.50	30,000.00	618,000.00	32,500.00	725,499.50	0.00	725,499.50



Indicative budget breakdown per year					
Year	2020	2021	2022	2023	Total
Amount (%)	7 %	15 %	37 %	41 %	100.00 %
Budget (€)	50,784.97	108,824.93	268,434.82	297,454.80	725,499.50

Work Plan Per Work Packages - WorkPackage 4 (Implementation Work Package)

Title	Research on the transformation of unused materials and objects
Start Date	01/07/2020
End Date	30/06/2023
Budget	1,036,098.45

Partners Involvement

Responsible Partner	PP 5 - Openfab
Involved Partners	PP 1 - Mulhouse Alsace Agglomeration (m2A) PP 2 - City of Mulhouse PP 3 - Motoco&co PP 4 - RIR PP 5 - Openfab PP 8 - EES Clemessy PP 12 - Art and matter PP 13 - Jacob Holm Industry France PP 14 - H2OPE PP 15 - Makeme PP 19 - CETIM Grand-Est PP 20 - MICA Carnot Institute

Summary	<p>This WP focuses on research on unused materials and manufactured components. The territory's waste management policy already enables processing part of them to create new resources through recycling. However, several waste sources remain poorly handled; either they are processed outside the territory and not identified by local institutions (high volumes of waste shipped to other countries), or they are manufactured, unrepairable and there is no dismantling facility to handle them locally. These deposits will be preferred to create new products with a longer lifetime, replacing current products depleting natural resources, and to create awareness-raising tools on consumption and its impact. This WP will focus on identifying reusable materials in cooperation with local public and industrial players, universities, research labs and study the terms of access to them (volume and consistency of resource deposits, collection and preparation, etc.). Research on materials will start by an off-site benchmark followed by direct testing on prototypes, including big data collection and analysis to accelerate Proof of Concept (WP5 and WP6). Further R&D will enable scaling up through project partners from industry, academia and standard setting bodies. The WP also includes the creation of a Materials Lab to host research, store resources and share results, and pilot operations with local stakeholders (waste collection sites, social inclusion centers, technical players and inhabitants).</p>
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Activities, Deliverables and Outputs

Activity number	Activity title	Activity description and partners involved	Start date	End date
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A4.1	Identifying territory's reusable materials and manufactured components	<p>Comprehensive overview of the territory regarding uncollected and/or non-recycled materials, waste, manufactured goods, in cooperation with public and industrial players, universities and research labs. An initial mapping will be sketched out including the waste to be produced in a near future. An extra-territorial benchmark will complete the mapping of "forgotten" sources, building on ongoing experiments.</p> <p>Involved partners: RfR, Mbtoco&co, Makeme, Cetim, MICA Carnot Institute, m2A, City of Mulhouse, Jacob Holm, Art and matter, Openfab</p>	<p>Start date</p> <p>01/07/2020</p>	<p>End date</p> <p>30/06/2023</p>
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p>	<p>Target value</p>	<p>Delivery date</p>
D 4.1.1	<p>Title</p>	<p>Comprehensive diagnosis of the territory</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>30/06/2023</p>
	<p>Description</p>	<p>The aim is to complement the action of SIVOM (SIVOM is the territory's integrated player responsible for managing private and professional waste, from collection to recycling, including raising awareness about waste reduction) and its partners by identifying non-operated waste deposits and those who remain difficult to process. The amounts, frequency of generation of these wastes, legal and financial constraints and the degree of hazard will be qualified for each deposit of (fully or partially) unused or unprocessed material. Involved players in recycling and research will also be mapped precisely.</p> <p>Involved partners: m2A, City of Mulhouse, Mbtoco&co, Jacob Holm, Cetim, Art and matter</p>		
D 4.1.2	<p>Title</p>	<p>Extra-territorial benchmark</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>30/06/2023</p>
	<p>Description</p>	<p>Set-up of a database shared between all partners to collect the whole range of current practices beyond Mulhouse and best practices in the world. Building on ongoing experiments from all partners, it will complete the overview of "forgotten" sources. During the kick-off seminar, a key slot will be dedicated to supplying the database first items. The stays in residence will enable deeper knowledge building and learning by doing on implementation.</p> <p>Involved partners: RfR, Mbtoco&co, OpenFab, Makeme, Cetim, Jacob Holm, Institut Carnot</p>		
	<p>Output Number</p>	<p>Project output</p>	<p>Target value</p>	<p>Delivery date</p>
O 4.1.1	<p>Title</p>	<p>Main deposits mapping</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>30/06/2023</p>
	<p>Description</p>	<p>Mapping of unused materials and manufactured goods, mapping of recycling routes at local and extraterritorial levels and identification of priority deposits.</p>		
O 4.1.2	<p>Title</p>	<p>Database of best practices tested or in experiment</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>30/06/2023</p>
	<p>Description</p>	<p>All partners will enhance this best practice database, which can serve as inspiration or as a starting point for new experiments.</p>		

A4.2	Creation of a Materials Lab	<p>Creation of a space storing samples of each material or manufactured good identified as a deposit to explore the prototyping of new goods, new materials not yet in use (e.g.: plastic OSB of CETIM). It will also host equipment for material processing and dismantling tests. This space is to be located at Motoco, the first transitional urbanism project set in a 9000 sqm building on DMC brownfield, located at the center of Mulhouse (70 ha and 2000 sqm of buildings). Materials Lab will be a 500 sqm space in Motoco, adjacent to the RfR Factory (prototyping area - see WP5).</p> <p>Involved partners : RfR, Motoco&co, Openfab</p>	<p>Start date</p> <p>01/07/2020</p>	<p>End date</p> <p>30/06/2021</p>																			
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A4.3	Pave the way for deposits of materials and manufactured waste to create value	<p>Experimental collection and new usage of materials and manufacturing components identified as deposits, in line with WP5. Research on raw materials will examine the use of material in its current state, as well as its transformation (for example: converting non-woven waste into resistant thermoformed trays, under different shapes). All makers will contribute to the research by directly testing it in the prototypes' construction. Further research and validation work will be held with the help of industrial partners if the first tests are successful and scaling up must be studied.</p> <p>Involved partners: RiR, Mbtoco&co, Openfab, Makeme, Cetim, Jacob Holm, MICA Carnot Institute, City of Mulhouse, Art and matter</p>	<p>Start date 01/07/2020</p>	<p>End date 30/06/2023</p>																			
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O 4.3.1	Title	Awareness of materials and manufactured waste deposits potential value-added	<p>Target value 1</p>	<p>Delivery date 30/06/2023</p>																			
	Description	Set up program to share results of technical research and new uses of manufacturing waste with key stakeholders, and build awareness among general public.																					

A4.4	Prototyping a complete virtuous cycle to raise public awareness	<p>The River Whale, a waste collector for rivers clean-up and protection of oceans under test locally will serve as a prototype to collect waste in the city's canals in order to complement materials for prototyping WP5 (mainly plastic waste). Installation of sensors to assess water quality, amount and type of waste. Data from these sensors will then be displayed live in order to raise public awareness. Lastly, in line with WP5, the River Whale itself will be made from collected waste in order to create a complete virtuous circle.</p> <p>Involved partners: H2OPE, Motoco&co, RfR, Cetim, Openfab, Makeme</p>	Start date 01/07/2020	End date 30/06/2023	
Deliverable number		Deliverable and partners involved		Target value	Delivery date
D 4.4.1	Title	Aquatic waste collection		Target value 1	Delivery date 30/06/2021
	Description	<p>The River Whale will enable assessment of the waste collected in the city's canals. It is foreseen to conduct a waste analysis to determine how it can be reused to create a virtuous circle (recovering plastics in WP5 prototypes).</p> <p>Involved partners: RfR, Motoco&co, H2OPE, MakeMe, Openfab</p>			
D 4.4.2	Title	Sensors development for innovative use of data		Target value 1	Delivery date 30/06/2022
	Description	<p>Development of RfR sensors measuring water quality (temperature, pH, O2, CO2, microplastics, etc.) and the amount of waste collected leveraging Open Source communities. Creative display of measures taken on the waterside to raise public awareness (the River Whale imitates whalebones, protects the flora and fauna, operates 7 days a week without energy). Collective reflection on usage of data collected (cf. WP6): open source data for entrepreneurs, transmission to public stakeholders, application dedicated to citizens, etc.</p> <p>Involved partners: RfR, Motoco&co, Openfab, Makeme, H2OPE</p>			
D 4.4.3	Title	Design of a waste collector in a virtuous loop		Target value 1	Delivery date 30/06/2023
	Description	<p>Design of a waste collector made of recycled waste (test with the thermosaique developed by Cetim), maximizing the use of materials collected in the water by the River Whale. Public awareness raising through activities on the canal to support the open citizen science process based on the River Whale and other sensors (cf. WP5 and 6). Implementation test on the Ill river in Mulhouse.</p> <p>Involved partners: RfR, Motoco&co, Openfab, Makeme, CETIM, H2OPE</p>			
Output Number		Project output		Target value	Delivery date
O 4.4.1	Title	Waste collection and analysis in City's canals		Target value 1	Delivery date 30/06/2021
	Description	<p>Estimate of waste dropped in the City's canals (quantity, type of materials, analysis by periods of time). Relate data collected to events in order to inform public audiences</p>			
O 4.4.2	Title	Innovative use of data collected		Target value 3	Delivery date 30/06/2022
	Description	<p>At least 3 innovative uses of data collected, ex. creative animations on the riverside, development of open source sensors by Makers community, entrepreneurial development</p>			
O 4.4.3	Title	River Whale local and sustainable prototype		Target value 1	Delivery date 30/06/2023
	Description	<p>Aquatic waste collection prototype using RfR sensors, replicable and made from local waste.</p>			

A4.5	Mobilize citizens in waste collection and transformation, raise consciousness from the heart of the territory	<p>To engage the population in the RtR process of resource preservation and reuse of waste, 2 containers will be placed in 2 impoverished neighborhoods. In these, inhabitants will be able to dispose of their reusable waste (initially: plastic bottles and bags, recyclable plastic). Waste will be instantly processed in those containers to be used in the production of goods. Each container will be equipped with machines to shred and process plastics into consumables for 3D printers in order to produce small parts (cf. WP5). Regular events and workshops will be held locally to share this virtuous circle and strike public opinion beyond these pilots.</p> <p>Involved partners : RtR, Motoco&co, Openfab, Makeme, City of Mulhouse, m2A</p>	<p>Start date 01/07/2020</p>	<p>End date 30/06/2023</p>
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p>	<p>Target value</p>	<p>Delivery date</p>
D 4.5.1	<p>Title</p>	Installation of zero waste containers	<p>Target value 2</p>	<p>Delivery date 30/06/2021</p>
	<p>Description</p>	<p>Installation of two plastic waste containers to collect inhabitants' waste, transform this waste and create 3D objects in these containers.</p> <p>Involved partners: RtR, Motoco&co, Openfab, Makeme, City of Mulhouse, m2A</p>		
D 4.5.2	<p>Title</p>	Layout and equipment of zero waste containers	<p>Target value 2</p>	<p>Delivery date 30/06/2021</p>
	<p>Description</p>	<p>Layout and equipment installed in the containers so that plastic, cardboard and paper waste conversion can be carried out in the heart of the city districts, involving the inhabitants in the RtR project and its values. Creation and use of small components to manufacture RtR goods.</p> <p>Involved partners: RtR, Motoco&co, Openfab, Makeme, City of Mulhouse, m2A</p>		
	<p>Output Number</p>	<p>Project output</p>	<p>Target value</p>	<p>Delivery date</p>
O 4.5.1	<p>Title</p>	Awareness and participation of inhabitants of the 2 districts and visibility in the whole territory	<p>Target value 1</p>	<p>Delivery date 30/06/2023</p>
	<p>Description</p>	<p>On an ongoing basis, inhabitants can use the containers equipment to create 3D objects and goods. Monitoring of the awareness and participation of the inhabitants and periodical communications to raise general public awareness.</p>		

Work Package Budget

PP 1 - Mulhouse Alsace Agglomeration (m2A)	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Waste diagnosis-Sustainable development department: 10 half days + waste recovery and dismantling	N/A						
Amount (€)	42,696	6,404.40	0	0	0	49,100.40	0	49,100.40
PP 2 - City of Mulhouse	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 3 - Motoco&co	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	1,5 FTE for the material lab. Profile: young engineer/maker	N/A		Design and narrative River whale.	Machines for the Materials lab and RTR Factory, tools and furniture for the Materials lab			
Amount (€)	176,087	26,413.05	0	17,000	40,000	259,500.05	0	259,500.05
PP 4 - RTR	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	1 FTE for containers installation and management in the city areas. Profile: maker	N/A		Sensor development for H2OPE product	Container equipment: machine and electrical devices for 2 containers + rent Materials lab (70 €/sqm/year)			
Amount (€)	117,391	17,608.65	0	35,000	135,000	304,999.65	0	304,999.65
PP 5 - Openfab	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A		R&D material transformation / 30 days				
Amount (€)	0	0.00	0	90,000	0	90,000.00	0	90,000.00
PP 8 - EES Clemesny	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Engineer : development engineering and quality product test	N/A						
Amount (€)	26,086	3,912.90	0	0	0	29,998.90	0	29,998.90

PP 12 - Art and matter	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A		Benchmark and waste diagnosis: 5 days/year	material from the resource center made available			
Amount (€)	0	0.00	0	15,000	15,000	30,000.00	0	30,000.00
PP 13 - Jacob Holm Industry France	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Support for studying the transformation of non woven fibers	N/A		Transport and logistics for waste				
Amount (€)	15,652	2,347.80	0	12,000	0	29,999.80	0	29,999.80
PP 14 - H2OPE	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Engineering on the development of River whale: 20 days the first 2 years and 10 days the 3rd year	N/A						
Amount (€)	39,130	5,869.50	0	0	0	44,999.50	0	44,999.50
PP 15 - Makeme	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A		Benchmark 10 days; Prototyping 40 days (makers) + 6 travels to Mulhouse and deported events				
Amount (€)	0	0.00	0	82,500	0	82,500.00	0	82,500.00
PP 19 - CETIM Grand-Est	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Material resistance tests and upgrading	N/A			Provision of thermosic for prototypes			
Amount (€)	43,478	6,521.70	0	0	25,000	74,999.70	0	74,999.70
PP 20 - MICA Carnot Institute	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Support to R&D on materials. Deepening and connection with other adequate research centers	N/A						
Amount (€)	34,783	5,217.45	0	0	0	40,000.45	0	40,000.45
Total (€)	495,303.00	74,295.45	0.00	251,500.00	215,000.00	1,036,098.45	0.00	1,036,098.45

Indicative budget breakdown per year					
Year	2020	2021	2022	2023	Total
Amount (%)	15 %	37 %	32 %	16 %	100.00 %
Budget (€)	155,414.77	383,356.43	331,551.50	165,775.75	1,036,098.45

Indicative budget breakdown per activity		
Activity	Amount (%)	Budget (€)
A 4.1	3 %	31,082.95
A 4.2	29 %	300,468.55
A 4.3	43 %	445,522.33
A 4.4	8 %	82,887.88
A 4.5	17 %	176,136.74
Total	100.00 %	1,036,098.45

Work Plan Per Work Packages - WorkPackage 5 (Implementation Work Package)

Title	Prototyping of new products, uses and production methods
Start Date	01/07/2020
End Date	30/06/2023
Budget	1,523,999.60

Partners Involvement

Responsible Partner	PP 3 - Motoco&co
Involved Partners	PP 1 - Mulhouse Alsace Agglomeration (m2A) PP 2 - City of Mulhouse PP 3 - Motoco&co PP 4 - RIR PP 5 - Openfab PP 6 - Technistub PP 7 - Industrial Society of Mulhouse PP 8 - EES Clemessy PP 9 - Grand-Est Region PP 15 - Makeme
Summary	This WP focuses on prototyping new uses, products and services based on best practices of open source / open hardware kits in the world in order to produce common goods. This will build on the most efficient and innovative developments, and mobilize local energies and skills on technical, technology, design or practical know-hows, enhanced by our experts network. The aim is to foster new collaborative, open source production opportunities respecting wellbeing and generating new jobs. The prototyping process will focus on products blending technique, technology, design and repairability. It will be open to citizens and will be highlighted at recreational and public events so as to reap a public buy-in as large as possible, and implement at the territorial level a systemic approach permanently enriched with outside expertise. We will start by addressing a key topic for the territory: mobility, reflected across its whole industrial history and currently a priority for m2A and the City, who explore mobility as a whole (pioneering the Compte Mobilité, an online platform giving users access to all local mobility services), testing of new electrical means of transport. Beyond mobility, the aim is to initiate a process of creative, collaborative learning and value generation (WP6) that can be deployed in other fields (health, education, energy, etc.) with the use of new technologies (IoT, sensors, drones, etc.) by target audiences and project stakeholders.

Activities, Deliverables and Outputs

Activity number	Activity title	Activity description and partners involved	Start date	End date
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A5.1	Dissemination based on Open Hardware / Open source / Open data innovative communities	<p>Creative communities, entrepreneurs, industrials, research centers and public players will connect with the circular economy pioneers outside Mulhouse (France, Europe, China, etc.) involved in post-industrial (cars, materials, etc.) and citizen-based sectors (health, IoT, etc.). This networking process will draw on existing knowledge, enhance it, share experiences in the transformation of territories and production patterns fostering new uses. Learning trips in pioneering communities/territories, seminars and a roving team of experts will save time, create shared energy and beliefs, boosting new experiments and traction for the project.</p> <p>Involved partners: RiR, Mbtoco&co, Makeme, Openfab, Technistub, SIM, m2a, City of Mulhouse</p>	<p>Start date 01/07/2020</p>	<p>End date 30/06/2023</p>	
Deliverable number		Deliverable and partners involved		Target value	Delivery date
D 5.1.1	Title	Learning trips		<p>Target value 150</p>	<p>Delivery date 30/06/2023</p>
	Description	<p>Learning trips for project pioneers organized in several locations in France and abroad to share best advances on Open Hardware/ Open Source / Open Data / Common goods. A roving team will permanently identify inspiring teams and innovation hubs in France and abroad, and share its findings so that stakeholders of the Mulhousian demonstrator can rapidly take action. This process will save time and ensure experiments take off from a knowledge base already tested and open for collaboration. Hosting outbound pioneers: 30 person-days/year for expert input. Stays of Mulhousian makers and designers in outbound communities: 20 person-days/year.</p> <p>Involved partners : RiR, Mbtoco&co, Makeme, Openfab, Technistub.</p>			
D 5.1.2	Title	Creation of a roving team for inter-territorial technical input		<p>Target value 1</p>	<p>Delivery date 30/06/2023</p>
	Description	<p>Creation of a 4-people roving team who will navigate across innovative communities in France, Europe and around the world to provide inter-territorial technical expertise. This team includes: makers, engineers, prototypers, hardware and data specialists, open-source librarian specialists. These individuals will support the learning community within RiR Factory in Mbtoco, mainly appointed by RiR and always in contact with her.</p> <p>Involved partners: Mbtoco&co, RiR, Makeme</p>			
D 5.1.3	Title	Immersion in European territories in conversion		<p>Target value 3</p>	<p>Delivery date 30/06/2023</p>
	Description	<p>As part of the INNOVATIVE RED BRICK CITIES network launched by SIM public and private partners of the Mulhousian territory will visit other European cities from the first Industrial Revolution impacted by deep technological, economic and social changes. Priority research topic is the conversion of mid-sized de-industrialised cities. 1 full experience visit per year planned for 10 local stakeholders. In three years, stakeholders will visit 3 similar cities, linked by commitment and private/public cooperation, in order to prepare for the dissemination of good practices.</p> <p>Involved partners : SIM, Mbtoco&co, m2A, City of Mulhouse, RiR</p>			
Output Number		Project output		Target value	Delivery date
O 5.1.1	Title	Best practice database		<p>Target value 1</p>	<p>Delivery date 30/06/2023</p>
	Description	<p>Illustrative best practices on Open Hardware/ Open Source / Open Data / Common goods over the world that will serve as inspiration for research (WP4) and prototyping activities (WP5).</p>			
O 5.1.2	Title	International RiR expert network		<p>Target value 1</p>	<p>Delivery date 30/06/2023</p>
	Description	<p>Experts to be invited to participate in the hackathons and other events organized by the project</p>			

A5.2	Creation of the prototyping site: the RiR factory	<p>Creating an identified place, consistent with the expected change process, is essential to bring together people and ideas to make things happen. This place is designed as a continuation of the DMC brownfield development, located in the center of Mulhouse over 70 hectares. 2000 sqm of buildings are located at the heart of the Motoco project, the first transitional urban project located in a 9000 sqm building.</p> <p>Involved partners: Motoco&co, RiR, Technistub, Openfab, m2A</p>	Start date 01/07/2020	End date 30/06/2023
	Deliverable number	Deliverable and partners involved	Target value	Delivery date
D 5.2.1	Title Design and sizing of the prototyping site	<p>Design and sizing of the spaces composing the prototyping site: a workshop, an electronics laboratory and a digital manufacturing laboratory, a workspace open to the public, a meeting area. This space dedicated to prototyping takes advantage of existing competences, material resources and equipments.</p> <p>Involved partners : RiR, Motoco&co, Openfab, Technistub, m2A</p>	Target value 1	Delivery date 30/06/2021
D 5.2.2	Title Creation of the prototyping site	<p>This space will host a secured workshop for people qualified to use the machines, a workspace open to the public and a sharing space complementing existing infrastructures. These spaces will be modular to fit the experimental fields. This place will be implemented simultaneously with the Materials Lab (WP 4) and will be accessible 24 hours a day to all project partners. Organization of the factory's operating processes and of knowledge dissemination will be developed with 2 permanent staff to be hired.</p> <p>Involved partners : RiR, Motoco&co, Openfab, Technistub, m2A</p>	Target value 1	Delivery date 30/06/2021
	Output Number	Project output	Target value	Delivery date
O 5.2.1	Title The RiR factory	<p>Within Motoco, layout and equipment of a 1200 sqm space, already consistent with public reception standards, into a permanent technical, social and economical prototyping space: a safe workshop with controlled-access machines, an electronics laboratory and a digital manufacturing laboratory, a workspace open to the public including digital, robotic and mechanical tools, projection and printing facilities (2D, 3D), a tutorial database, a meeting area, etc.</p>	Target value 1	Delivery date 30/06/2021

A5.3	Prototyping new products and uses	<p>Development of new products and services as a combination of the open source / open hardware kits, priorities of the territory and WP4, skills of the roving team and pioneers. Prototyping will be performed by local designers and makers and periodically submitted to the expertise of local industrialists, experts and research centers to adjust priorities. Citizens and target audiences will be involved during dedicated sessions and will be able to join the factory in a customized way. The factory's activities will be open to a broad public during recreational collaborative events or challenges such as makhatons, hackatons, makerfights.</p> <p>Involved partners : RiR, Motoco&co, m2A, City of Mulhouse, Openfab, Technistub, Clemessy, Makeme</p>	<p>Start date</p> <p>01/07/2020</p>	<p>End date</p> <p>30/06/2023</p>
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p>	<p>Target value</p>	<p>Delivery date</p>
D 5.3.1	<p>Title</p> <p>Prototyping to answer local priorities</p>	<p>Identifying with public players and citizens the priorities and opportunities to encourage and test new uses in questionable sectors regarding environment and social divide. A first challenge has been identified: mobility. The Factory will create at least 3 prototypes of solutions to mobility issues identified by m2A and its citizens, which will be tested in-use, in cooperation with citizens and local public players. Alternative solutions to expensive phones, fragile and non-repairable will be provided. Likewise, open source sensors enabling citizen participation / awareness building (air/water quality, waste volume, uses) will be experimented.</p> <p>Involved partners : RiR, Motoco&co, m2A, City of Mulhouse, Openfab, Technistub</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>31/12/2020</p>
D 5.3.2	<p>Title</p> <p>Prototyping permanently to change uses</p>	<p>Within the RiR factory, set-up of teams mixing makers, designers and target audiences, in collaboration with local industrial and public players. Aim: creating new products and uses based on open source kits addressing local priorities. Prototyping of adequate RiR sensors to monitor uses. The permanent RiR Factory staff will organize research and prototyping programs with quantifiable and time-limited delivery objectives. The opportunity to broaden the scope to other topics and use other technical levers will be kept very open and will be driven by technological developments and the new uses identified.</p> <p>Involved partners: RiR, Motoco&co, Makeme, Openfab, Technistub, CETIM</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>30/06/2023</p>
D 5.3.3	<p>Title</p> <p>Integration of expertise from traditional industrial sectors</p>	<p>At key stages in manufacturing stages, prototypes will be presented to stakeholders in traditional industrial sectors and enhanced through support ranging from project engineering, supplying advanced tools such as simulation, design proofing tools related to mechanics, electricity, monitoring and control (Clemessy), resistance tests (Cetim), design advice for industrialization purposes. As part of mobility, workshops are planned with the Cité de l'Automobile. 20 half days of technology transfer with experts from traditional sectors, workshops with professionals from the Cité de l'automobile, regularly involved in the prototypes processing stages.</p> <p>Involved partners: RiR, Motoco&co, Clemessy</p>	<p>Target value</p> <p>20</p>	<p>Delivery date</p> <p>30/06/2023</p>
D 5.3.4	<p>Title</p> <p>Involving the local target audiences</p>	<p>In order to make the RiR Factory a new opportunities-offering open to all, events open to the general public will be organized with citizens and structures such as schools, associations, etc. regularly in order to build up habit. Events will be organized for the public to discover technical research in an entertaining and collaborative way. Open doors at the Factory 1 weekend/month from January 2022 ; 4 workshops/year on-site with volunteer schools; in-use tests with citizens and in the heart of impoverished neighborhoods ; 1 makerfight a year and preparatory workshops for the developing of robots for 20 young dropouts/year.</p> <p>Involved partners : RiR, Motoco&co, Technistub, Openfab</p>	<p>Target value</p> <p>30</p>	<p>Delivery date</p> <p>30/06/2023</p>
D 5.3.5	<p>Title</p> <p>Prototyping RiR Sensors</p>	<p>Prototyping RiR sensors with Makers / Open Source communities to release economical and reliable solutions, supporting the development of a dense network of environmental data (air, water) and building citizen awareness. These sensors will be implemented in public spaces (schools, territorial institutions, water services...) or used to foster citizen science approaches. They will also be tested on-board vehicles.</p> <p>Involved partners : RiR, Motoco&co, Technistub, Openfab</p>	<p>Target value</p> <p>2</p>	<p>Delivery date</p> <p>30/06/2023</p>

Output Number	Project output		Target value	Delivery date
O 5.3.1	Title	New prototypes created and tested	Target value 20	Delivery date 30/06/2023
	Description	3 priority prototyping areas over 3 years ; 20 products and services tested with users in 3 years ; 5 products and services tested on their capacity to scale up (serial production, market, draft budget, finances)		
O 5.3.2	Title	Prototypes of sensors and data sharing framework	Target value 1	Delivery date 30/06/2023
	Description	Prototypes of electronic boxes and components using digital manufacturing technology. Development of a framework based on RfR sensors data, how to share them in a secured way, how to use them.		
O 5.3.3	Title	Methodology to prototype sensors	Target value 1	Delivery date 30/06/2023
	Description	Methodology to develop low tech sensors to be deployed anywhere		
O 5.3.4	Title	Dynamic communities of makers and experts	Target value 1	Delivery date 30/06/2023
	Description	Foster the development of makers and experts communities on Open Hardware / Data / Tech for all mixing local and external forces. At least 5 sub-groups including mobility, phones and sensors.		
O 5.3.5	Title	Education and awareness building	Target value 1	Delivery date 30/06/2023
	Description	Prototyping at RfR Factory is an ongoing process recognized for its value creation (Tech for all). A majority of local players are involved in the process or in testing outcomes (schools, associations, social players). The general public is aware of RfR.		

A5.4	Knowledge development and transfer	<p>The aim is to create an extremely flexible and free-flowing process, allowing innovations to circulate very fast in order to be integrated by other competencies and/or players. Innovations should also very quickly feed shared documentations on learning experiences, such as WikiFab, WikiFix, Floss. Simultaneously, seminars will be organized on a regular basis within the RfR Factory with pioneers from other territories and the roving team. Aim: develop best practices and explore new frameworks for value creation.</p> <p>Involved partners: RfR, Mbtoco&co, Openfab, MakeMe, Region Grand Est</p>	Start date <input type="text" value="01/07/2021"/>	End date <input type="text" value="30/06/2023"/>	
Deliverable number		Deliverable and partners involved		Target value	Delivery date
D 5.4.1	Title	<input type="text" value="Building on best practices"/>		Target value <input type="text" value="21"/>	Delivery date <input type="text" value="30/06/2023"/>
	Description	<p>Organization of seminars and stays within the RfR factory to gather best practice leaders, share progress, information resources and define development priorities to come. One-week seminar/year in Mulhouse, including all leaders of makers partners of the project in France, Europe, outside Europe and the roving team. 6 stays/year for makers and persons with hidden talents (HITAs) on prototypes included in the RfR project.</p> <p>Involved partners: RfR, Mbtoco&co, OpenFab, MakeMe</p>			
D 5.4.2	Title	<input type="text" value="In-use and manufacturing tests in other territories"/>		Target value <input type="text" value="2"/>	Delivery date <input type="text" value="30/06/2023"/>
	Description	<p>To accelerate the validation process, define the requirements for replication and adaptability to a different environment, the Region Grand Est will foster testing prototypes and their production process in another urban area (Nancy) as well as in a rural area. Spin-off test in an urban area (Nancy) and a rural area to be identified in the Region Grand Est.</p> <p>Involved partners: RfR, Mbtoco&co, OpenFab, MakeMe, Region Grand Est.</p>			
D 5.4.3	Title	<input type="text" value="Creation of knowledge transmission and learning tools"/>		Target value <input type="text" value="1"/>	Delivery date <input type="text" value="30/06/2023"/>
	Description	<p>Creation of an open source/open hardware database of prototypes developed, from which sectors or clusters of activity can blossom, continuously enhanced by industry, economic or research players, with the user communities who benefit from them.</p> <p>Involved partners : MakeMe, RfR, Mbtoco&co</p>			
Output Number		Project output		Target value	Delivery date
O 5.4.1	Title	<input type="text" value="Database creation"/>		Target value <input type="text" value="1"/>	Delivery date <input type="text" value="30/06/2023"/>
	Description	<input type="text" value="The database will include at least 30 tutorials over three years as well as 80 feedback videos."/>			
O 5.4.2	Title	<input type="text" value="Learning tools"/>		Target value <input type="text" value="1"/>	Delivery date <input type="text" value="30/06/2023"/>
	Description	<input type="text" value="Transfer of methodology inspired by best practices (eg. WikiFab, WikiFix, Floss) in order to start implementing at other levels"/>			
O 5.4.3	Title	<input type="text" value="Opensource documentation"/>		Target value <input type="text" value="1"/>	Delivery date <input type="text" value="30/06/2023"/>
	Description	<input type="text" value="Shared documentation on learning experiences inspired by best practices, eg. WikiFab, WikiFix, Floss"/>			

Work Package Budget

PP 1 - Mulhouse Alsace Agglomeration (m2A)	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Sharing with other creative communities and identifying actors and opportunities of the territory - Mobility and economy departments : 14 half days / year	N/A	Immersion trips in another similar European city					
Amount (€)	31,304	4,695.60	10,000	0	0	45,999.60	0	45,999.60
PP 2 - City of Mulhouse	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 3 - Motoco&co	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A		Designers/artists: 120 days; product usage tests (30 days/year)	Machines for the Materials lab and RTR Factory, tools and furniture; consumables for prototyping (screws, glues, ropes, tool wear parts, etc.) + rent for RTR Factory 1200 sqm (70€/sqm/year)			
Amount (€)	0	0.00	0	210,000	416,000	626,000.00	0	626,000.00
PP 4 - RTR	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A	Travel for usage and swarming tests in the region - travel to Red bricks cities	Sensor development/data base computer engineer				
Amount (€)	0	0.00	61,000	236,000	0	297,000.00	0	297,000.00
PP 5 - Openfab	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A		Prototyping provider. Engineer and designer. 40 days/year the first 2 years and a researcher the last year (5 days)				
Amount (€)	0	0.00	0	90,000	0	90,000.00	0	90,000.00

PP 6 - Technistub	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	0,5 Time eq. man prototyping technological support, robotics. Profile: maker	N/A		Makerfight event organisation				
Amount (€)	58,696	8,804.40	0	37,500	0	105,000.40	0	105,000.40
PP 7 - Industrial Society of Mulhouse	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Support for connections with other European cities, travel organization	N/A	1 travel/year in another Red Bricks city for 2 people (3 days)					
Amount (€)	26,087	3,913.05	15,000	0	0	45,000.05	0	45,000.05
PP 8 - EES Clemessy	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 9 - Grand-Est Region	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Operational support for spin-offs in other areas in the region	N/A						
Amount (€)	65,217	9,782.55	0	0	0	74,999.55	0	74,999.55
PP 15 - Makeme	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A	Travel expenses for benchmark - 10 travels in remarkable initiatives	Year 1: benchmark best practices (30 days); over 3 years, per year: 40 days prototyping assistance, creation and database feed for knowledge sharing and open source				
Amount (€)	0	0.00	15,000	225,000	0	240,000.00	0	240,000.00
Total (€)	181,304.00	27,195.60	101,000.00	798,500.00	416,000.00	1,523,999.60	0.00	1,523,999.60



Indicative budget breakdown per year					
Year	2020	2021	2022	2023	Total
Amount (%)	17 %	34 %	32 %	17 %	100.00 %
Budget (€)	259,079.93	518,159.86	487,679.87	259,079.93	1,523,999.60

Indicative budget breakdown per activity		
Activity	Amount (%)	Budget (€)
A.5.1	12 %	182,879.95
A.5.2	26 %	396,239.90
A.5.3	43 %	655,319.83
A.5.4	19 %	289,559.92
Total	100.00 %	1,523,999.60

Work Plan Per Work Packages - WorkPackage 6 (Implementation Work Package)

Title	From prototype to industry, entrepreneurship at large scale
Start Date	01/07/2020
End Date	30/06/2023
Budget	755,002.55

Partners Involvement

Responsible Partner	PP 10 - Manufactory Incubator
Involved Partners	PP 1 - Mulhouse Alsace Agglomeration (m2A) PP 3 - Motoco&co PP 4 - RtR PP 7 - Industrial Society of Mulhouse PP 10 - Manufactory Incubator PP 11 - E-nov Campus PP 16 - Time for the Planet
Summary	<p>Aims of WMP6:</p> <ul style="list-style-type: none"> - Create and develop an open source entrepreneurial toolbox for project leaders and coaches, embodying RtR philosophy. It will include a wide range of tools and learning experiences resulting from years of entrepreneurial support at the crossing of private, academic and public services. It will also spearhead a significant innovation with NetUp experiments. - Accompany HITAs in various creative or entrepreneurial processes matching the dreams and ambition of each individual. Creating an on-site incubator will enable a customized follow-up and ensure the approach will be sustained post-UIA. - For the general public, provide access to RtR benefits and processes, showcase products and services realized by the program beneficiaries in a "RtR House" set up in the RtR Factory.

Activities, Deliverables and Outputs

Activity number	Activity title	Activity description and partners involved	Start date	End date
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A6.1	Creation of the RtR Academy	<p>Research and development on advanced educational methods for entrepreneurial support. Aim is to create an open source entrepreneurial toolbox/ database open to all. Best practices and initiatives monitoring. Involved partners: Manufactory, RtR</p>	<p>Start date 01/07/2020</p>	<p>End date 30/06/2023</p>																										
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A6.2	Incubator and entrepreneurial journeys	<p>Creation of an incubator to support project leaders identified in 6.1.2. Three different paths have been designed in order to meet each project leader's needs and ambitions.</p> <p>Involved partners : Manufactory, Time for The Planet, RtR, e-nov Campus</p>	<p>Start date</p> <p>01/10/2020</p>	<p>End date</p> <p>30/06/2023</p>																																									
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<table border="1"> <thead> <tr> <th data-bbox="229 1173 363 1234">Output Number</th> <th colspan="2" data-bbox="363 1173 1166 1234">Project output</th> <th data-bbox="1166 1173 1321 1234">Target value</th> <th data-bbox="1321 1173 1490 1234">Delivery date</th> </tr> </thead> <tbody> <tr> <td data-bbox="229 1234 363 1393" rowspan="2">O 6.2.1</td> <td data-bbox="363 1234 517 1294">Title</td> <td data-bbox="517 1234 1166 1294">RtR incubator</td> <td data-bbox="1166 1234 1321 1294"></td> <td data-bbox="1321 1234 1490 1294"></td> </tr> <tr> <td data-bbox="363 1294 517 1393">Description</td> <td data-bbox="517 1294 1166 1393"> <p>The open space incubator has everything needed to offer a good working environment (modular spaces, access to resources and knowledge base, community management, link with WP8, etc). It is in permanent contact with Manufactory and RtR experts.</p> </td> <td data-bbox="1166 1294 1321 1393"> <p>Target value</p> <p>1</p> </td> <td data-bbox="1321 1294 1490 1393"> <p>Delivery date</p> <p>30/06/2023</p> </td> </tr> <tr> <td data-bbox="229 1393 363 1565" rowspan="2">O 6.2.2</td> <td data-bbox="363 1393 517 1453">Title</td> <td data-bbox="517 1393 1166 1453">Creation of high potential company businesses</td> <td data-bbox="1166 1393 1321 1453"></td> <td data-bbox="1321 1393 1490 1453"></td> </tr> <tr> <td data-bbox="363 1453 517 1565">Description</td> <td data-bbox="517 1453 1166 1565"> <p>Five to ten companies with a sustainable business model, scalable and replicable, which could be expanded at European or international level. Projects addressing environmental, health, housing or mobility issues or deal with digital technologies will be preferred. However, this criterion is not mandatory.</p> </td> <td data-bbox="1166 1453 1321 1565"> <p>Target value</p> <p>7</p> </td> <td data-bbox="1321 1453 1490 1565"> <p>Delivery date</p> <p>30/06/2023</p> </td> </tr> <tr> <td data-bbox="229 1565 363 1686" rowspan="2">O 6.2.3</td> <td data-bbox="363 1565 517 1626">Title</td> <td data-bbox="517 1565 1166 1626">Business creation</td> <td data-bbox="1166 1565 1321 1626"></td> <td data-bbox="1321 1565 1490 1626"></td> </tr> <tr> <td data-bbox="363 1626 517 1686">Description</td> <td data-bbox="517 1626 1166 1686">15 to 50 projects in any sector of activity supported by the incubator</td> <td data-bbox="1166 1626 1321 1686"> <p>Target value</p> <p>30</p> </td> <td data-bbox="1321 1626 1490 1686"> <p>Delivery date</p> <p>30/06/2023</p> </td> </tr> <tr> <td data-bbox="229 1686 363 1827" rowspan="2">O 6.2.4</td> <td data-bbox="363 1686 517 1747">Title</td> <td data-bbox="517 1686 1166 1747">Fertile ecosystem of enthusiasts, makers, creatives and entrepreneurs</td> <td data-bbox="1166 1686 1321 1747"></td> <td data-bbox="1321 1686 1490 1747"></td> </tr> <tr> <td data-bbox="363 1747 517 1827">Description</td> <td data-bbox="517 1747 1166 1827">Access mainly to the resources of the RtR Academy as well as support from the incubator depending on availability</td> <td data-bbox="1166 1747 1321 1827"> <p>Target value</p> <p>1</p> </td> <td data-bbox="1321 1747 1490 1827"> <p>Delivery date</p> <p>30/06/2023</p> </td> </tr> </tbody> </table>					Output Number	Project output		Target value	Delivery date	O 6.2.1	Title	RtR incubator			Description	<p>The open space incubator has everything needed to offer a good working environment (modular spaces, access to resources and knowledge base, community management, link with WP8, etc). It is in permanent contact with Manufactory and RtR experts.</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>30/06/2023</p>	O 6.2.2	Title	Creation of high potential company businesses			Description	<p>Five to ten companies with a sustainable business model, scalable and replicable, which could be expanded at European or international level. Projects addressing environmental, health, housing or mobility issues or deal with digital technologies will be preferred. However, this criterion is not mandatory.</p>	<p>Target value</p> <p>7</p>	<p>Delivery date</p> <p>30/06/2023</p>	O 6.2.3	Title	Business creation			Description	15 to 50 projects in any sector of activity supported by the incubator	<p>Target value</p> <p>30</p>	<p>Delivery date</p> <p>30/06/2023</p>	O 6.2.4	Title	Fertile ecosystem of enthusiasts, makers, creatives and entrepreneurs			Description	Access mainly to the resources of the RtR Academy as well as support from the incubator depending on availability	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>30/06/2023</p>
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A6.3	Reaping benefits for the territory	<p>In line with WP4 and WP5, anchoring the economic and social results of the Net-ups at local level</p> <p>Involved partners: Manufactory, RiR, SIM, m2A, Time for the Planet, Mbtoco&co</p>	<p>Start date</p> <p>01/10/2020</p>	<p>End date</p> <p>30/06/2023</p>
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p>	<p>Target value</p>	<p>Delivery date</p>
D 6.3.1	<p>Title</p>	<p>Support emerging RiR sectors of activity</p>	<p>Target value</p> <p>7</p>	<p>Delivery date</p> <p>30/06/2023</p>
	<p>Description</p>	<p>Develop activity clusters in the territory based on prototypes / themes developed in WP5 and WP4. These ecosystems will apply RiR principles (collaborative, open source, repairability) and provide solutions that can be tagged as competitive alternatives to standard practices.</p> <p>Involved partners: Manufactory, RiR, SIM, m2A</p>		
D 6.3.2	<p>Title</p>	<p>Share benefits with territory's inhabitants</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>01/12/2021</p>
	<p>Description</p>	<p>Set-up a concept store / showroom (House of RiR) to showcase prototypes, entrepreneurial projects, resources and new usages. Share learning experiences and promote a "Make / Do" culture.</p> <p>Involved partners : Manufactory, Time for The Planet, RiR, Mbtoco&co.</p>		
	<p>Output Number</p>	<p>Project output</p>	<p>Target value</p>	<p>Delivery date</p>
O 6.3.1	<p>Title</p>	<p>Dynamic economic players creating societal value</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>30/06/2023</p>
	<p>Description</p>	<p>Ecosystem of actors combining economic, environmental and social impact acting as an engine for territory's activity clusters. Creation of local start-ups, circular economy, postindustrial branding "the New French Manchester Again".</p>		
O 6.3.2	<p>Title</p>	<p>The RiR House</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>01/12/2021</p>
	<p>Description</p>	<p>Attractive space set-up to present the outcomes of WP5 and WP6 projects to the general public. Sharing of processes, knowledge and tools used, as well as learning experiences (use case).</p>		

Work Package Budget								
PP 1 - Mulhouse Alsace Agglomeration (m2A)	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 3 - Motoco&co	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 4 - RtR	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	1 FTE to support the development of netup enterprises. Profile: economic adviser	N/A			arrangements for the incubation space (install and support 10 entrepreneurs (individual workstations, meeting space, wifi, projection...))			
Amount (€)	97,826	14,673.90	0	0	50,000	162,499.90	0	162,499.90
PP 7 - Industrial Society of Mulhouse	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description		N/A						
Amount (€)	0	0.00	0	0	0	0.00	0	0.00
PP 10 - Manufactory Incubator	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Staff in charge of setting up the netup process and the tools: financial profile	N/A	5 journeys/year in France for the development manager + an entrepreneur	Specialist in the economy of common goods (30 days/year) + 7 travels to Mulhouse				
Amount (€)	107,610	16,141.50	30,000	150,000	0	303,751.50	0	303,751.50
PP 11 - E-nov Campus	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	1 FTE business development Profile: management/marketing/social economy	N/A						
Amount (€)	117,391	17,608.65	0	0	0	134,999.65	0	134,999.65
PP 16 - Time for the Planet	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Staff in charge of setting up the netup process and the tools: financial profile	N/A	5 journeys/year in France for the development manager + an entrepreneur					
Amount (€)	107,610	16,141.50	30,000	0	0	153,751.50	0	153,751.50



Total (€)	430,437.00	64,565.55	60,000.00	150,000.00	50,000.00	755,002.55	0.00	755,002.55
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Indicative budget breakdown per year					
Year	2020	2021	2022	2023	Total
Amount (%)	15 %	31 %	39 %	15 %	100.00 %
Budget (€)	113,250.38	234,050.79	294,450.99	113,250.38	755,002.55

Indicative budget breakdown per activity		
Activity	Amount (%)	Budget (€)
A 6.1	85 %	641,752.17
A 6.2	8 %	60,400.20
A 6.3	7 %	52,850.18
Total	100.00 %	755,002.55

Work Plan Per Work Packages - WorkPackage 7 (Implementation Work Package)

Title	Arole and a mission for Hidden Talents (HITAs)
Start Date	01/01/2021
End Date	30/06/2023
Budget	399,498.25

Partners Involvement

Responsible Partner	PP 2 - City of Mulhouse
Involved Partners	PP 2 - City of Mulhouse PP 4 - RiR PP 17 - Sémaphore Mulhouse Sud Alsace PP 18 - TUBA Mulhouse South Alsace

Summary	This WP focuses on implementing activities enabling HITAs to get back on track, building on their talents: engage them as a community to provide innovative solutions open to all (Low Tech, Open hardware), initiate change with sustainable solutions propelled by entrepreneurs, makers, creatives (WP6), develop innovative KPIs using social research and big data, disseminate with other HITAs in partnering ecosystems. In Mulhouse, nearly half of inhabitants live in neighborhoods tagged "urban priority". Deeply impacted by the shock of de-industrialisation, the City has for years developed a social policy with citizen action at its core. This policy has been reinforced since 2015, with additional means dedicated to the participatory democracy program, with a strong focus on « doing together » (Mulhouse invests 10 times more on this topic than national average). Furthermore, Mulhouse and its agglomeration work on developing a social economy policy (employment, sustainable development and social innovation) and aim at upgrading the territory's image. In this light, the city of Mulhouse and its structured stakeholders network will be key in identifying HITAs, fostering and supporting their engagement.
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Activities, Deliverables and Outputs

Activity number	Activity title	Activity description and partners involved	Start date	End date
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A7.1	Identify vulnerable target audiences, reveal the hidden talents in each individual	<p>Ensure that each volunteering inhabitant is informed of the possibilities offered by the project and is involved in it. Preparatory work will be carried out to enable HITAs to express their talents and needs. Depending on age, precariousness level, the obstacles to remove and tools will differ. City services can segment their support to inhabitants threeway: – Youth ('Mission locale' local antenna of Pole Emploi, Sémaphore, plateforme Perdus de vue) – Volunteers involved in associations (Promotion of Community Involvement Department / Carré des associations – City of Mulhouse) – People in deep precariousness with the Social Welfare Department of the City of Mulhouse</p> <p>Involved partners : City of Mulhouse, Sémaphore, Tuba, RtR</p>	<p>Start date 01/01/2021</p>	<p>End date 30/06/2023</p>	
Deliverable number		Deliverable and partners involved		Target value	Delivery date
D 7.1.1	<p>Title Reaching out to 'off the radar' young people</p> <p>Description Aim: identifying and reaching out to invisible young people aged 16 to 25, through educational work carried out by a multidisciplinary field team. It will offer these young people a chance to get back into action, discovering and being proud of learning by creating objects of high technological and environmental value, a position that can lead to a new occupation as employee or entrepreneur. Involved partners : City of Mulhouse, Sémaphore, RtR</p>		<p>Target value 160</p>	<p>Delivery date 30/06/2023</p>	
D 7.1.2	<p>Title Reaching out to volunteers involved in associations</p> <p>Description As part of the « Bénévole investi, bénévole épanoui » program, launched in 2018 by Le Carré des Associations (local community centre), the aim is to identify volunteers in associations who are most receptive to the RtR creation process and wish to deepen or explore technical, technological and design creation as well as to support them, based on their interest, to develop products/services for their community and to become independent in this creative process. Involved partners : City of Mulhouse, Sémaphore, RtR</p>		<p>Target value 100</p>	<p>Delivery date 30/06/2023</p>	
D 7.1.3	<p>Title Reaching out to beneficiaries of social support and minimum allowances</p> <p>Description Beneficiaries of the "Emploi d'abord" program will be offered participation cycles to prototyping realized in the RtR Factory. Aim: initiate the creation of new products/services of which they are the first beneficiaries and develop new awareness/cultures and experiments to improve their consumption patterns and reduce their bills (recycling and repair culture, environmental culture through sensors, understanding product life cycles and their footprint, etc.). Involved partners : City of Mulhouse, Sémaphore, RtR</p>		<p>Target value 100</p>	<p>Delivery date 30/06/2023</p>	
Output Number		Project output		Target value	Delivery date
O 7.1.1	<p>Title Attract +30% "off the radar" young people with RtR</p> <p>Description In addition to the 250 young people identified each year by City services, the aim is to attract +30% (+ 80 people) by enabling them to participate in prototyping and initiating new product and service creations for which they are the first beneficiaries (low tech, local, repairable phones, for example). Exposure to more complex products/technologies may lead them to reinvent high societal impact uses with RtR Factory makers and designers (see WP6).</p>		<p>Target value 160</p>	<p>Delivery date 30/06/2023</p>	
O 7.1.2	<p>Title Involve 100 volunteers/associations in prototyping cycles</p> <p>Description Identifying the volunteers of the associations most receptive to the RtR creation process and integrating them based on their desire to increase their skill base will have a double benefit: the RtR project will meet the actions and objectives of local fast-moving associations; and the viral effect will be propelled in the territory.</p>		<p>Target value 100</p>	<p>Delivery date 30/06/2023</p>	
O 7.1.3	<p>Title Involve 100 vulnerable people in integration cycles</p> <p>Description 50 vulnerable people per year will be invited to participate to integration sessions designed to discover then learn what may become tomorrow their skill and economic base</p>		<p>Target value 100</p>	<p>Delivery date 30/06/2023</p>	

A7.2	Integrate RiR in the heart of the territory's transformation	<p>The RiR project and its action-based approach to creation will offer new solutions to integrate citizens into the territory's transformation. First goal: meet the needs of the city and its districts, by creating RiR Factory relays in the areas in transformation in order to identify the most relevant needs for its inhabitants. Second goal: relays for citizen participation already operational in the city will serve as platforms for both experimenting and prototyping ideas emerging in the RiR Factory. A genuine synergy is expected to create a virtuous circle between public action aiming at improving the city through its inhabitants, and the action-based RiR process.</p> <p>Involved partners : City of Mulhouse, RiR, TUBA</p>	<p>Start date 01/01/2021</p>	<p>End date 30/06/2023</p>	
Deliverable number		Deliverable and partners involved		Target value	Delivery date
D 7.2.1	Title	Increase aspirations to develop new projects to transform the city		<p>Target value 1</p>	<p>Delivery date 30/06/2023</p>
	Description	<p>Ideas and actions offered by the RiR project will be integrated into the digital platform www.mulhousecestvous.fr. The inhabitants will have the opportunity to discuss, improve and build them together.</p> <p>Involved partners : City of Mulhouse, RiR</p>			
D 7.2.2	Title	Launching thematic calls for proposals for wellbeing in the city		<p>Target value 2</p>	<p>Delivery date 30/06/2023</p>
	Description	<p>Thematic calls for proposals to enhance wellbeing in the city (mobility, security, street furniture, park management, etc.) will be launched to identify, support and scale up projects that improve the quality of life in the city.</p> <p>Involved partners : City of Mulhouse, RiR</p>			
D 7.2.3	Title	Project development support		<p>Target value 10</p>	<p>Delivery date 30/06/2023</p>
	Description	<p>The RiR Factory will make its ecosystem available should the projects supported by TUBA need any technical, technological and design support. TUBA is the local structure that supports project leaders far from traditional entrepreneurial support networks and whose first step between idea and ideation is too high to cross alone or by the collective concerned. Access to the Factory will be specified with the project leader and TUBA, and will be free of charge. Project development assistance for 5 projects supported by TUBA each year. The developed prototypes will have to be open source in order to be shared with the whole community.</p> <p>Involved partners: TUBA, RiR</p>			
Output Number		Project output		Target value	Delivery date
O 7.2.1	Title	Increase the contribution to improving wellbeing in the city		<p>Target value 40</p>	<p>Delivery date 30/06/2023</p>
	Description	<p>10 associative, entrepreneurial projects / year and 10 ideas / year of public action to be carried out, integrated into the mulhousecestvous platform. 1 thematic call for projects / year to detect, accompany to realize and to scale up of the projects which improve the life of the city.</p>			

A.7.3	Decentralize RiR relays in impoverished neighborhoods to ensure a real equality of chances in creative opportunities	<p>This activity is intended to decentralize the RiR process to spaces dedicated to citizen initiative and community sharing. Being permanently on-site in the neighborhoods will make it possible to demonstrate the full potential by producing some objects or components on site, to invite the areas's inhabitants to join the action and to organize workshops on RiR citizen initiatives. It will also make the program more viral and increase the ability to experiment in real life situations.</p> <p>Involved partners: City of Mulhouse, RiR</p>	Start date <input type="text" value="01/01/2021"/>	End date <input type="text" value="30/06/2023"/>							
	Deliverable number	Deliverable and partners involved	Target value	Delivery date							
	D 7.3.1	<table border="1"> <tr> <td data-bbox="363 472 512 517">Title</td> <td data-bbox="512 472 1157 517">Setup of RiR relays</td> </tr> <tr> <td data-bbox="363 517 512 730">Description</td> <td data-bbox="512 517 1157 730"> <p>Within every impoverished neighborhood, a RiR relay will be established in the citizen centre, a living place where local inhabitants and stakeholders can gather and create citizen projects. A RiR space will be set up to provide examples of manufactured and / or manufacturing workshop of an item directly related to a citizen initiative of better living together. These relays will start by collecting the residents' plastic waste, which will be transformed live to produce components in 3D print. Pace of implementation and shapes of these relays will depend on the opportunities and development schedules of citizen spaces.</p> <p>Involved partners : City of Mulhouse, RiR</p> </td> </tr> </table>	Title	Setup of RiR relays	Description	<p>Within every impoverished neighborhood, a RiR relay will be established in the citizen centre, a living place where local inhabitants and stakeholders can gather and create citizen projects. A RiR space will be set up to provide examples of manufactured and / or manufacturing workshop of an item directly related to a citizen initiative of better living together. These relays will start by collecting the residents' plastic waste, which will be transformed live to produce components in 3D print. Pace of implementation and shapes of these relays will depend on the opportunities and development schedules of citizen spaces.</p> <p>Involved partners : City of Mulhouse, RiR</p>	<table border="1"> <tr> <td data-bbox="1157 472 1321 517">Target value</td> <td data-bbox="1321 472 1490 517">Delivery date</td> </tr> <tr> <td data-bbox="1157 517 1321 730">5</td> <td data-bbox="1321 517 1490 730">30/06/2023</td> </tr> </table>	Target value	Delivery date	5	30/06/2023
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Target value	Delivery date										
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Description	<p>Throughout the project, RiR will be present half a day per month in the Maissonette, dedicated to welcoming citizen groups, teams from socio-cultural centres or associations, located in the heart of the largest market in eastern France, held in Mulhouse every Tuesday, Thursday and Saturday.</p> <p>Involved partners : City of Mulhouse, RiR</p>										
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Target value	Delivery date										
5	30/06/2023										
	O 7.3.2	<table border="1"> <tr> <td data-bbox="363 1189 512 1234">Title</td> <td data-bbox="512 1189 1157 1234">Regular meetings at the Maissonette on the market place</td> </tr> <tr> <td data-bbox="363 1234 512 1348">Description</td> <td data-bbox="512 1234 1157 1348"> <p>The RiR project will organise a RiR meeting in this location once a month. The Factory will present its ongoing projects, welcome new ideas, and when relevant, test its new creations with the audience. 1 RiR meeting/month at the Maissonette on the market place.</p> </td> </tr> </table>	Title	Regular meetings at the Maissonette on the market place	Description	<p>The RiR project will organise a RiR meeting in this location once a month. The Factory will present its ongoing projects, welcome new ideas, and when relevant, test its new creations with the audience. 1 RiR meeting/month at the Maissonette on the market place.</p>	<table border="1"> <tr> <td data-bbox="1157 1189 1321 1234">Target value</td> <td data-bbox="1321 1189 1490 1234">Delivery date</td> </tr> <tr> <td data-bbox="1157 1234 1321 1348">24</td> <td data-bbox="1321 1234 1490 1348">30/06/2023</td> </tr> </table>	Target value	Delivery date	24	30/06/2023
Title	Regular meetings at the Maissonette on the market place										
Description	<p>The RiR project will organise a RiR meeting in this location once a month. The Factory will present its ongoing projects, welcome new ideas, and when relevant, test its new creations with the audience. 1 RiR meeting/month at the Maissonette on the market place.</p>										
Target value	Delivery date										
24	30/06/2023										

Work Package Budget

PP 2 - City of Mulhouse	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Connection work between social services, RfR, Sémaphore, QPV, ANRU: 12 half days over the 3 years + 4 half days every year to connect social services for identification and hooking up of HITAs	N/A						
Amount (€)	8,695	1,304.25	0	0	0	9,999.25	0	9,999.25
PP 4 - RfR	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	1,5 FTE to relay between social organisations in place and the factory / immersion of HITAs. Profile: animator. Year 2 and 3: + 1 FTE to manage RfR relays in the city areas. profile: maker/animator	N/A	2 HITAs from other territories/year, stay in other territories for HITAs from Mulhouse: 3/year	support for TUBA projects; highlight HITAs' video delivery; animation RfR House within the central market				
Amount (€)	254,348	38,152.20	20,000	61,000	0	373,500.20	0	373,500.20
PP 17 - Sémaphore Mulhouse Sud Alsace	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	5 half days every 6 months connection with RfR; profile: management and animators	N/A						
Amount (€)	8,695	1,304.25	0	0	0	9,999.25	0	9,999.25
PP 18 - TUBA Mulhouse South Alsace	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Sub-total	Revenues	Total
Description	Connection of project promoters to RfR and accompaniment: 4 half days/year	N/A						
Amount (€)	5,217	782.55	0	0	0	5,999.55	0	5,999.55
Total (€)	276,955.00	41,543.25	20,000.00	61,000.00	0.00	399,498.25	0.00	399,498.25

Indicative budget breakdown per year					
Year	2020	2021	2022	2023	Total
Amount (%)	12 %	31 %	37 %	20 %	100.00 %
Budget (€)	47,939.79	123,844.46	147,814.35	79,899.65	399,498.25

Indicative budget breakdown per activity		
Activity	Amount (%)	Budget (€)
A 7.1	50 %	199,749.13
A 7.2	14 %	55,929.76
A 7.3	36 %	143,819.37
Total	100.00 %	399,498.25

Work Plan Per Work Packages - WorkPackage 8 (Investment Work Package)

Title	Investment to set-up the Talent Hostel
Start Date	01/09/2020
End Date	30/06/2023
Budget	1,275,000.00

Partners Involvement

Responsible Partner	PP 4 - RiR
Involved Partners	PP 1 - Mulhouse Alsace Agglomeration (m2A) PP 3 - Motoco&co PP 4 - RiR

Summary

This WP will focus on the launching of the Talent Hostel in order to:

- accommodate long term stays allowing entrepreneurs, makers or creators to experiment the solutions in collaboration with local actors and target audiences.
- promote the creation of communities of practice both within and beyond the Mulhouse area (by topic: IoT, disability, robots, etc.).

The Talent Hostel would be located within building 76, former DMC factory site aid station, largest brownfield site in southern Alsace (70 ha). This building is located in the Briand area, in the very centre of Mulhouse, next to building 75, which hosts motoco. The project involves renovating a 713,4 sqm area divided between ground floor and first floor, and 354,3 sqm in the basement, in order to layout and furnish it so as to make it a meeting and full experience venue.

Justification

This building is part of the Alsatian industrial heritage and a reminder of the textile industry vitality. It is typical of architecture in the "French Manchester", as Mulhouse was referred to. It housed the factory's monitoring and aid team; its restoration is an historical testimony for thousands of people who have worked at DMC since its creation in 1800. Secondly, the building is located in the city centre and accessible by public transport, in a prospective "car-free" neighbourhood. Its restoration saves both land resources and "grey" energy (produced from fossil fuels) by reusing the materials and energy needed for its original construction in 1913. As the building is the only human-scale one on-site, the existing structure is appropriate to an hostel atmosphere, where every guest finds privacy as well as sharing. Located next to building 75 (motoco), which will host the complete creating and experimentation site, the installation of the "Talent Hostel" in building 76 will enable to create 19 furnished single and shared rooms to host talents from other French and international areas during full experience stays in the RiR project. The Talent Hostel will also include a common room on the ground floor in order to exchange with other guests as well as an audiovisual room, which will allow to deepen theoretical and digital parts of the learnings. Stays can range from two days to several weeks, depending on the guests' needs.

Work Package Budget

PP 1 - Mulhouse Alsace Agglomeration (m2A)	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Infrastructure and works	Sub-total	Revenues	Total
Description		N/A		Design study for Talent Hostel + drafting of the specifications for the works		Emergency works to stop infiltration and for the security of the building + structural works rehabilitation of the building (700 sqm)			
18.1	0	0.00	0	20,000	0	925,000	945,000.00	0	945,000.00
Partner total (€)	0.00	0.00	0.00	20,000.00	0.00	925,000.00	945,000.00	0.00	945,000.00

PP 3 - Motoco&co	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Infrastructure and works	Sub-total	Revenues	Total
Description		N/A		preparation costs for reception of guests in immersion	Interior decoration, furniture				
18.1	0	0.00	0	30,000	300,000	0	330,000.00	0	330,000.00
Partner total (€)	0.00	0.00	0.00	30,000.00	300,000.00	0.00	330,000.00	0.00	330,000.00



PP 4 - RIR	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Infrastructure and works	Sub-total	Revenues	Total
Description		N/A							
18.1	0	0.00	0	0	0	0	0.00	0	0.00
Partner total (€)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (€)	0.00	0.00	0.00	50,000.00	300,000.00	925,000.00	1,275,000.00	0.00	1,275,000.00



Indicative budget breakdown per year					
Year	2020	2021	2022	2023	Total
Amount (%)	74 %	0 %	23 %	3 %	100.00 %
Budget (€)	943,500.00	0.00	293,250.00	38,250.00	1,275,000.00

Investment 1

Title	Development of the Talent Hostel
Investment Description	The objective is to renovate building 76 to create 19 bedrooms, each with bathroom and small kitchen, a common living room and laundry room, an audiovisual room which can host up to 20 persons. Investment will be completed in two steps: a first emergency one needed to the building's conservation and securing, the second one to design the building's new uses. Structural components and damaged waterproofness need to be repaired as well, as it becomes urgent to preserve this building which has been unexploited for nearly 15 years.
Involved Partners	PP 1 - Mulhouse Alsace Agglomeration (m2A) PP 3 - Motoco&co PP 4 - RiR
Budget	1,275,000.00

Locations of investment

Number	Country	NUTS 2 level	NUTS 3 level
1	FRANCE	Alsace	Haut-Rhin

Investment Risk	The risks of the required investments in order to renovate building 76 are mainly calendar related: the current water infiltrations damage the building fast without conservation works, its stability could be permanently weakened. This investment is also subject to the usual risks related to building renovation works, such as choice of schedule, launch of the call for proposals, work completion, frequency at which the premises are used. Estimated time for completion of the work is 1 year after the project is approved.
Investment Documentation	- Roadmap for the site layout by Reichen et Robert & Associés: roadmap on the future of the whole neighbourhood approved in 2010, reviewed in 2018. - Set of architecture guidelines: architectural requirements related to the building's overall consistency and its evolution. It has to be approved by the architect from the French architectural review board (Architecte des Bâtiments de France) due to its location in the Monuments Historiques protected area. - Commitment related to the IBA Basel 2020 certification.
Ownership	m2A urban authority of the project

Activities, Deliverables

Activity number	Activity title	Activity description and partners involved	Start date	End date
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A8.1	Talent Hostel design	<p>This activity concerns:</p> <ul style="list-style-type: none"> - planning of the emergency works to be done on building 76 in order to protect it during the winter and prevent its deterioration. Three types of works are urgent: access and security of persons, structure and waterproofness. The owner (m2A) will perform these works before winter 2020/2021. - running a study aiming at defining the scope, layout and operating method of the Talent Hostel in line with the RfR project approach and develop the 5-year business plan as well as establishing a contractual agreement with the owner. <p>Involved partner: m2A, RfR</p>	<p>Start date</p> <p>01/09/2020</p>	<p>End date</p> <p>31/03/2021</p>								
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p> <table border="1"> <tr> <td data-bbox="363 495 512 539">Title</td> <td data-bbox="512 495 1161 539">Building 76 securisation works</td> </tr> <tr> <td data-bbox="363 539 512 680">Description</td> <td data-bbox="512 539 1161 680"> <p>Several works will be carried out: fixing up and protection of the basement windows, securing the front doors, waterproofness of the North and South facade joinery, fix up the holes in the roof, propping 2 purlins damaged due to seepage, stitching of lintels to verify their stability and possible reinforcement, repairing of the skylight's waterproofness, replacing broken tiles.</p> <p>Involved partner: m2A</p> </td> </tr> <tr> <td data-bbox="363 680 512 725">Title</td> <td data-bbox="512 680 1161 725">Use analysis completion</td> </tr> <tr> <td data-bbox="363 725 512 936">Description</td> <td data-bbox="512 725 1161 936"> <p>In order to best meet the needs and expectations of the prospective users, a study should be conducted among all project stakeholders. This study will allow to develop the structure, layout and operating method of the Talent Hostel in line with the RfR project approach (recycled resources, energy savings, home automation, etc): individual and shared rooms, including energy savings and generation in the design, types of services to organise (shared facilities, housework, launderette, mobility, disability adjustments, etc.), catering arrangements, use rates, internal operating rules, business model.</p> <p>Involved partners: m2A, RfR</p> </td> </tr> </table>	Title	Building 76 securisation works	Description	<p>Several works will be carried out: fixing up and protection of the basement windows, securing the front doors, waterproofness of the North and South facade joinery, fix up the holes in the roof, propping 2 purlins damaged due to seepage, stitching of lintels to verify their stability and possible reinforcement, repairing of the skylight's waterproofness, replacing broken tiles.</p> <p>Involved partner: m2A</p>	Title	Use analysis completion	Description	<p>In order to best meet the needs and expectations of the prospective users, a study should be conducted among all project stakeholders. This study will allow to develop the structure, layout and operating method of the Talent Hostel in line with the RfR project approach (recycled resources, energy savings, home automation, etc): individual and shared rooms, including energy savings and generation in the design, types of services to organise (shared facilities, housework, launderette, mobility, disability adjustments, etc.), catering arrangements, use rates, internal operating rules, business model.</p> <p>Involved partners: m2A, RfR</p>	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>15/11/2020</p>
Title	Building 76 securisation works											
Description	<p>Several works will be carried out: fixing up and protection of the basement windows, securing the front doors, waterproofness of the North and South facade joinery, fix up the holes in the roof, propping 2 purlins damaged due to seepage, stitching of lintels to verify their stability and possible reinforcement, repairing of the skylight's waterproofness, replacing broken tiles.</p> <p>Involved partner: m2A</p>											
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A8.2	Talent Hostel creation and RfR learning experience	<p>This activity will entail:</p> <ul style="list-style-type: none"> - the design and the launch of a consultation for the restoration of the building 76 that will house the Talent Hostel - the works on the building 76 - layout and furniture equipment <p>The building will be redeveloped by keeping its industrial nature and its human scale and will be a place for full experiences for all audiences interested in the experimentation, including people in need. The development of the Talent Hostel will include energy savings, waste management and shared practices and will be consistent with the RfR approach. The whole process will be documented for future replication and to support the growth of a dynamic community of users onsite. Involved partners: RfR, m2A, motoco&co</p>	<p>Start date</p> <p>01/04/2021</p>	<p>End date</p> <p>30/06/2023</p>												
	<p>Deliverable number</p>	<p>Deliverable and partners involved</p> <table border="1"> <tr> <td data-bbox="363 546 517 591">Title</td> <td data-bbox="517 546 1155 591">Launch of the tender procedure</td> </tr> <tr> <td data-bbox="363 591 517 712">Description</td> <td data-bbox="517 591 1155 712">Private tender for renovation works, submitted for approval to the public owner. It includes the RfR approach in the redevelopment and prospective uses and foresees that part of the facilities are accessible to local RfR stakeholders, including motoco artists. Involved partners: RfR, m2A, motoco&co</td> </tr> <tr> <td data-bbox="363 712 517 770">Title</td> <td data-bbox="517 712 1155 770">Completion of structural works</td> </tr> <tr> <td data-bbox="363 770 517 851">Description</td> <td data-bbox="517 770 1155 851">Structural works will be carried out by specialised companies selected after the tender process. Involved partner: m2a</td> </tr> <tr> <td data-bbox="363 851 517 909">Title</td> <td data-bbox="517 851 1155 909">Layout and furnishing</td> </tr> <tr> <td data-bbox="363 909 517 1059">Description</td> <td data-bbox="517 909 1155 1059">Layout and furnishing will be part of the RfR project and carried out by involved stakeholders: furniture will be designed with recycled products and materials, home automation designed by the RfR Factory, decoration completed by the designers. The Talent Hostel will also be a field of experimentation from its construction. The whole process will be documented, and the growth of a dynamic community of users encouraged. Involved partners: motoco&co, RfR</td> </tr> </table>	Title	Launch of the tender procedure	Description	Private tender for renovation works, submitted for approval to the public owner. It includes the RfR approach in the redevelopment and prospective uses and foresees that part of the facilities are accessible to local RfR stakeholders, including motoco artists. Involved partners: RfR, m2A, motoco&co	Title	Completion of structural works	Description	Structural works will be carried out by specialised companies selected after the tender process. Involved partner: m2a	Title	Layout and furnishing	Description	Layout and furnishing will be part of the RfR project and carried out by involved stakeholders: furniture will be designed with recycled products and materials, home automation designed by the RfR Factory, decoration completed by the designers. The Talent Hostel will also be a field of experimentation from its construction. The whole process will be documented, and the growth of a dynamic community of users encouraged. Involved partners: motoco&co, RfR	<p>Target value</p> <p>1</p>	<p>Delivery date</p> <p>01/09/2021</p> <p>31/12/2022</p> <p>30/06/2023</p>
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Work Plan Per Work Packages - WorkPackage 9 (Closure and knowledge transfer work package)

Title	Closure and knowledge transfer
Start Date	01/07/2023
End Date	30/06/2024
Budget	15,000.00

Partners Involvement

Responsible Partner	PP 1 - Mulhouse Alsace Agglomeration (m2A)
Involved Partners	PP 1 - Mulhouse Alsace Agglomeration (m2A) PP 2 - City of Mulhouse PP 3 - Motoco&co PP 4 - RfR PP 5 - Openfab PP 6 - Technistub PP 7 - Industrial Society of Mulhouse PP 8 - EES Clemessy PP 9 - Grand-Est Region PP 10 - Manufactory Incubator PP 11 - E-nov Campus PP 12 - Art and matter PP 13 - Jacob Holm Industry France PP 14 - H2OPE PP 15 - Makeme PP 16 - Time for the Planet PP 17 - Sémaphore Mulhouse Sud Alsace PP 18 - TUBA Mulhouse South Alsace PP 19 - CETIM Grand-Est PP 20 - MCA Carnot Institute

Summary	<p>m2A is in charge of this administrative closing procedure with the full support of RfR Factory who will gather reports from all the partners. Beyond the compulsory administrative closing procedure, these reports aim at describing the entire process so as to give main results and key elements for future project promoters (urban authorities, makers, entrepreneurs, etc.). The web project platform is meant to be available for at least 5 years after the closure, and will ensure final lessons of RfR will be available to any interested organisation to allow a large dissemination all over European Union and beyond. Several activities all along the project imply a knowledge transfer and all documentation will be made available (open source). m2A will also collaborate with UIA experts to spread RfR approach and knowledge within the UDN. Participation to 3 UDN conferences or events is planned.</p>
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Activities and Deliverables

Activity number	Activity title	Activity description and partners involved	Start date	End date
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A9.1	Transfer of knowledge activities	<ul style="list-style-type: none"> Drafting and submission of the final qualitative report Participation to Urban Development Network (UDN) Project evaluation with UIAExperts 	Start date 01/07/2023	End date 30/06/2024								
	Deliverable number D 9.1.1	Deliverable and partners involved <table border="1"> <tr> <td data-bbox="370 414 513 459">Title</td> <td data-bbox="513 414 1161 459">Final qualitative report</td> </tr> <tr> <td data-bbox="370 459 513 519">Description</td> <td data-bbox="513 459 1161 519">Final qualitative report</td> </tr> </table>	Title	Final qualitative report	Description	Final qualitative report	Target value <table border="1"> <tr> <td data-bbox="1174 436 1315 481">Target value</td> <td data-bbox="1289 459 1302 481">1</td> </tr> </table>	Target value	1	Delivery date <table border="1"> <tr> <td data-bbox="1327 436 1485 481">Delivery date</td> <td data-bbox="1391 459 1474 481">30/06/2024</td> </tr> </table>	Delivery date	30/06/2024
Title	Final qualitative report											
Description	Final qualitative report											
Target value	1											
Delivery date	30/06/2024											



A9.2	Administrative closure	Preparation and submission of final progress report	Start date 01/07/2023	End date 01/10/2023
	Deliverable number	Deliverable and partners involved	Target value	Delivery date
	D 9.2.1	Title Final progress report	Target value 1	Delivery date 01/10/2023
		Description Final progress report		



A9.3	Inclusion in the Urban development Network	Participation to UDN is part of the knowledge transfer strategy. After the project closure, sharing project outcomes is crucial to open new perspectives for urban circular economy.	Start date 01/07/2023	End date 30/06/2024						
	Deliverable number D 9.3.1	<table border="1"> <thead> <tr> <th colspan="2">Deliverable and partners involved</th> </tr> </thead> <tbody> <tr> <td data-bbox="359 392 510 436">Title</td> <td data-bbox="510 392 1157 436">Participation to post-project UDN events</td> </tr> <tr> <td data-bbox="359 436 510 504">Description</td> <td data-bbox="510 436 1157 504">Sharing of knowledge and experience in diverse conferences and events organized by UDN.</td> </tr> </tbody> </table>	Deliverable and partners involved		Title	Participation to post-project UDN events	Description	Sharing of knowledge and experience in diverse conferences and events organized by UDN.	Target value 3	Delivery date 30/06/2024
Deliverable and partners involved										
Title	Participation to post-project UDN events									
Description	Sharing of knowledge and experience in diverse conferences and events organized by UDN.									



Work Package Budget

Partner name	Staff cost (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and construction works (€)	Sub-Total (€)	Revenues (€)	Total (€)
Milhouse Alsace Agglomeration (m2A)	0.00	0.00	0.00	15,000.00	0.00	0.00	0.00	0.00	15,000.00

Part E - Project Budget

E.1 Project Budget Co-Financing Source (Fund) - Breakdown per Partner

Partner		ERDF co-financing		Contribution			Total	
Partner	Country	EUR	ERDF rate	Public	Private	Total	Budget	% of project budget
PP 1 - Mulhouse Alsace Agglomeration (m2A)	FR	915,279.92	80.00 %	228,819.98	0.00	228,819.98	1,144,099.90	18.31 %
PP 2 - City of Mulhouse	FR	7,999.40	80.00 %	1,999.85	0.00	1,999.85	9,999.25	0.16 %
PP 3 - Motoco&co	FR	1,046,799.64	80.00 %	0.00	261,699.91	261,699.91	1,308,499.55	20.94 %
PP 4 - RiR	FR	1,448,399.88	80.00 %	0.00	362,099.97	362,099.97	1,810,499.85	28.98 %
PP 5 - Openfab	FR	144,000.00	80.00 %	0.00	36,000.00	36,000.00	180,000.00	2.88 %
PP 6 - Technistub	FR	84,000.32	80.00 %	0.00	21,000.08	21,000.08	105,000.40	1.68 %
PP 7 - Industrial Society of Mulhouse	FR	36,000.04	80.00 %	0.00	9,000.01	9,000.01	45,000.05	0.72 %
PP 8 - EES Clemessy	FR	23,999.12	80.00 %	0.00	5,999.78	5,999.78	29,998.90	0.48 %
PP 9 - Grand-Est Region	FR	59,999.64	80.00 %	14,999.91	0.00	14,999.91	74,999.55	1.20 %
PP 10 - Manufactory Incubator	FR	245,401.20	80.00 %	61,350.30	0.00	61,350.30	306,751.50	4.91 %
PP 11 - E-nov Campus	FR	107,999.72	80.00 %	0.00	26,999.93	26,999.93	134,999.65	2.16 %
PP 12 - Art and matter	FR	24,000.00	80.00 %	0.00	6,000.00	6,000.00	30,000.00	0.48 %
PP 13 - Jacob Holm Industry France	FR	23,999.84	80.00 %	0.00	5,999.96	5,999.96	29,999.80	0.48 %
PP 14 - H2OPE	FR	35,999.60	80.00 %	0.00	8,999.90	8,999.90	44,999.50	0.72 %
PP 15 - Makeme	FR	564,400.00	80.00 %	0.00	141,100.00	141,100.00	705,500.00	11.29 %
PP 16 - Time for the Planet	FR	125,401.20	80.00 %	0.00	31,350.30	31,350.30	156,751.50	2.51 %
PP 17 - Sémaphore Mulhouse Sud Alsace	FR	7,999.40	80.00 %	1,999.85	0.00	1,999.85	9,999.25	0.16 %
PP 18 - TUBA Mulhouse South Alsace	FR	4,799.64	80.00 %	1,199.91	0.00	1,199.91	5,999.55	0.10 %
PP 19 - CETIM Grand-Est	FR	59,999.76	80.00 %	14,999.94	0.00	14,999.94	74,999.70	1.20 %
PP 20 - MICA Carnot Institute	FR	32,000.36	80.00 %	8,000.09	0.00	8,000.09	40,000.45	0.64 %
Total (€)		4,998,478.68	80.00 %	333,369.83	916,249.84	1,249,619.67	6,248,098.35	100.00 %

E.2 Project Budget - Overview per Partner/ per Period

Partner	Preparation (Period 0)	Jan - Dec 2020	Jan - Dec 2021	Jan - Dec 2022	Jan - Dec 2023	Closure	Total
PP 1	20,000.00	719,584.98	45,506.98	272,681.97	71,325.97	15,000.00	1,144,099.90
PP 2	0.00	1,199.91	3,099.77	3,699.72	1,999.85	0.00	9,999.25
PP 3	0.00	396,054.97	322,804.94	393,669.83	195,969.80	0.00	1,308,499.55
PP 4	0.00	226,909.97	552,864.93	609,434.95	421,290.00	0.00	1,810,499.85
PP 5	0.00	28,800.00	63,900.00	57,600.00	29,700.00	0.00	180,000.00
PP 6	0.00	17,850.07	35,700.14	33,600.13	17,850.07	0.00	105,000.40
PP 7	0.00	7,650.01	15,300.02	14,400.02	7,650.01	0.00	45,000.05
PP 8	0.00	4,499.84	11,099.59	9,599.65	4,799.82	0.00	29,998.90
PP 9	0.00	12,749.92	25,499.85	23,999.86	12,749.92	0.00	74,999.55
PP 10	0.00	45,862.73	95,062.97	119,363.09	46,462.73	0.00	306,751.50
PP 11	0.00	20,249.95	41,849.89	52,649.86	20,249.95	0.00	134,999.65
PP 12	0.00	4,500.00	11,100.00	9,600.00	4,800.00	0.00	30,000.00
PP 13	0.00	4,499.97	11,099.93	9,599.94	4,799.97	0.00	29,999.80
PP 14	0.00	6,749.93	16,649.82	14,399.84	7,199.92	0.00	44,999.50
PP 15	0.00	80,075.00	170,025.00	244,700.00	210,700.00	0.00	705,500.00
PP 16	0.00	23,362.73	48,562.97	60,863.09	23,962.73	0.00	156,751.50
PP 17	0.00	1,199.91	3,099.77	3,699.72	1,999.85	0.00	9,999.25
PP 18	0.00	719.95	1,859.86	2,219.83	1,199.91	0.00	5,999.55
PP 19	0.00	11,249.96	27,749.89	23,999.90	11,999.95	0.00	74,999.70
PP 20	0.00	6,000.07	14,800.17	12,800.14	6,400.07	0.00	40,000.45
Total (€)	20,000.00	1,619,769.84	1,517,636.46	1,972,581.54	1,103,110.51	15,000.00	6,248,098.35
% of total budget	0.32 %	25.92 %	24.29 %	31.57 %	17.66 %	0.24 %	100.00 %

E.3 Project Budget - Overview per Partner/ per Work Package

Partner	Preparation (WP 1)	WP 2	WP 3	WP 4	WP 5	WP 6	WP 7	WP 8	Closure (WP 9)	Total
PP 1	20,000.00	8,999.90	60,000.00	49,100.40	45,999.60	0.00	0.00	945,000.00	15,000.00	1,144,099.90
PP 2	0.00	0.00	0.00	0.00	0.00	0.00	9,999.25	0.00	0.00	9,999.25
PP 3	0.00	0.00	92,999.50	259,500.05	626,000.00	0.00	0.00	330,000.00	0.00	1,308,499.55
PP 4	0.00	480,000.10	192,500.00	304,999.65	297,000.00	162,499.90	373,500.20	0.00	0.00	1,810,499.85
PP 5	0.00	0.00	0.00	90,000.00	90,000.00	0.00	0.00	0.00	0.00	180,000.00
PP 6	0.00	0.00	0.00	0.00	105,000.40	0.00	0.00	0.00	0.00	105,000.40
PP 7	0.00	0.00	0.00	0.00	45,000.05	0.00	0.00	0.00	0.00	45,000.05
PP 8	0.00	0.00	0.00	29,998.90	0.00	0.00	0.00	0.00	0.00	29,998.90
PP 9	0.00	0.00	0.00	0.00	74,999.55	0.00	0.00	0.00	0.00	74,999.55
PP 10	0.00	3,000.00	0.00	0.00	0.00	303,751.50	0.00	0.00	0.00	306,751.50
PP 11	0.00	0.00	0.00	0.00	0.00	134,999.65	0.00	0.00	0.00	134,999.65
PP 12	0.00	0.00	0.00	30,000.00	0.00	0.00	0.00	0.00	0.00	30,000.00
PP 13	0.00	0.00	0.00	29,999.80	0.00	0.00	0.00	0.00	0.00	29,999.80
PP 14	0.00	0.00	0.00	44,999.50	0.00	0.00	0.00	0.00	0.00	44,999.50
PP 15	0.00	3,000.00	380,000.00	82,500.00	240,000.00	0.00	0.00	0.00	0.00	705,500.00
PP 16	0.00	3,000.00	0.00	0.00	0.00	153,751.50	0.00	0.00	0.00	156,751.50
PP 17	0.00	0.00	0.00	0.00	0.00	0.00	9,999.25	0.00	0.00	9,999.25
PP 18	0.00	0.00	0.00	0.00	0.00	0.00	5,999.55	0.00	0.00	5,999.55
PP 19	0.00	0.00	0.00	74,999.70	0.00	0.00	0.00	0.00	0.00	74,999.70
PP 20	0.00	0.00	0.00	40,000.45	0.00	0.00	0.00	0.00	0.00	40,000.45
Total (€)	20,000.00	498,000.00	725,499.50	1,036,098.45	1,523,999.60	755,002.55	399,498.25	1,275,000.00	15,000.00	6,248,098.35
% of total budget	0.32 %	7.97 %	11.61 %	16.58 %	24.39 %	12.08 %	6.39 %	20.41 %	0.24 %	100.00 %

E.4 Project Budget - Overview per Work Package/ per Period



Work Package	Preparation	Jan - Dec 2020	Jan - Dec 2021	Jan - Dec 2022	Jan - Dec 2023	Closure	Total
WP 1	20,000.00						20,000.00
WP 2		49,800.00	149,400.00	149,400.00	149,400.00		498,000.00
WP 3		50,784.97	108,824.93	268,434.82	297,454.80		725,499.50
WP 4		155,414.77	383,356.43	331,551.50	165,775.75		1,036,098.45
WP 5		259,079.93	518,159.86	487,679.87	259,079.93		1,523,999.60
WP 6		113,250.38	234,050.79	294,450.99	113,250.38		755,002.55
WP 7		47,939.79	123,844.46	147,814.35	79,899.65		399,498.25
WP 8		943,500.00	0.00	293,250.00	38,250.00		1,275,000.00
WP 9						15,000.00	15,000.00
Total (€)	20,000.00	1,619,769.84	1,517,636.46	1,972,581.54	1,103,110.51	15,000.00	6,248,098.35
% of total budget	0.32 %	25.92 %	24.29 %	31.57 %	17.66 %	0.24 %	100.00 %

E.5 Project Budget - Overview per Partner/ per Budget Line

Partner	Staff	Office and administration	Travel and accommodation	External expertise and services	Equipment	Infrastructure and construction works	Sub-total	Revenues	Total
PP 1	81,826.00	12,273.90	10,000.00	115,000.00	0.00	925,000.00	1,144,099.90	0.00	1,144,099.90
PP 2	8,695.00	1,304.25	0.00	0.00	0.00	0.00	9,999.25	0.00	9,999.25
PP 3	215,217.00	32,282.55	0.00	305,000.00	756,000.00	0.00	1,308,499.55	0.00	1,308,499.55
PP 4	821,739.00	123,260.85	186,000.00	462,000.00	217,500.00	0.00	1,810,499.85	0.00	1,810,499.85
PP 5	0.00	0.00	0.00	180,000.00	0.00	0.00	180,000.00	0.00	180,000.00
PP 6	58,696.00	8,804.40	0.00	37,500.00	0.00	0.00	105,000.40	0.00	105,000.40
PP 7	26,087.00	3,913.05	15,000.00	0.00	0.00	0.00	45,000.05	0.00	45,000.05
PP 8	26,086.00	3,912.90	0.00	0.00	0.00	0.00	29,998.90	0.00	29,998.90
PP 9	65,217.00	9,782.55	0.00	0.00	0.00	0.00	74,999.55	0.00	74,999.55
PP 10	107,610.00	16,141.50	33,000.00	150,000.00	0.00	0.00	306,751.50	0.00	306,751.50
PP 11	117,391.00	17,608.65	0.00	0.00	0.00	0.00	134,999.65	0.00	134,999.65
PP 12	0.00	0.00	0.00	15,000.00	15,000.00	0.00	30,000.00	0.00	30,000.00
PP 13	15,652.00	2,347.80	0.00	12,000.00	0.00	0.00	29,999.80	0.00	29,999.80
PP 14	39,130.00	5,869.50	0.00	0.00	0.00	0.00	44,999.50	0.00	44,999.50
PP 15	0.00	0.00	18,000.00	687,500.00	0.00	0.00	705,500.00	0.00	705,500.00
PP 16	107,610.00	16,141.50	33,000.00	0.00	0.00	0.00	156,751.50	0.00	156,751.50
PP 17	8,695.00	1,304.25	0.00	0.00	0.00	0.00	9,999.25	0.00	9,999.25
PP 18	5,217.00	782.55	0.00	0.00	0.00	0.00	5,999.55	0.00	5,999.55
PP 19	43,478.00	6,521.70	0.00	0.00	25,000.00	0.00	74,999.70	0.00	74,999.70
PP 20	34,783.00	5,217.45	0.00	0.00	0.00	0.00	40,000.45	0.00	40,000.45
Total (€)	1,783,129.00	267,469.35	295,000.00	1,964,000.00	1,013,500.00	925,000.00	6,248,098.35	0.00	6,248,098.35
% of total budget	28.54 %	4.28 %	4.72 %	31.43 %	16.22 %	14.80 %	100.00 %	0.00 %	100.00 %

E.6 Project Budget - Overview per Work Package/ per Budget Line

Work Package	Staff Costs (€)	Office and administration (€)	Travel and accommodation (€)	External expertise and services (€)	Equipment (€)	Infrastructure and Works (€)	Sub-total (€)	Revenues (€)	Total (€)
WP 1	0.00	0.00	0.00	20,000.00	0.00	0.00	0.00	0.00	20,000.00
WP 2	360,000.00	54,000.00	84,000.00	0.00	0.00	0.00	498,000.00	0.00	498,000.00
WP 3	39,130.00	5,869.50	30,000.00	618,000.00	32,500.00	0.00	725,499.50	0.00	725,499.50
WP 4	495,303.00	74,295.45	0.00	251,500.00	215,000.00	0.00	1,036,098.45	0.00	1,036,098.45
WP 5	181,304.00	27,195.60	101,000.00	798,500.00	416,000.00	0.00	1,523,999.60	0.00	1,523,999.60
WP 6	430,437.00	64,565.55	60,000.00	150,000.00	50,000.00	0.00	755,002.55	0.00	755,002.55
WP 7	276,955.00	41,543.25	20,000.00	61,000.00	0.00	0.00	399,498.25	0.00	399,498.25
WP 8	0.00	0.00	0.00	50,000.00	300,000.00	925,000.00	1,275,000.00	0.00	1,275,000.00
WP 9	0.00	0.00	0.00	15,000.00	0.00	0.00	0.00	0.00	15,000.00
Total (€)	1,783,129.00	267,469.35	295,000.00	1,964,000.00	1,013,500.00	925,000.00	6,248,098.35	0.00	6,248,098.35
% of total budget	28.54 %	4.28 %	4.72 %	31.43 %	16.22 %	14.80 %	100.00 %	0.00 %	100.00 %

Part F - Partners contribution

Source(s) of Contribution

Total Contribution Total Contribution Target

PP1 - Mulhouse Alsace Agglomeration (m2A)

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
<input type="text" value="m2A"/>	<input type="text" value="Public"/>	<input type="text" value="100.00 %"/>	<input type="text" value="228,819.98"/>	<input type="text" value="cash"/>	<input type="text" value="staff costs"/>
Total (€)		<input type="text" value="100.00 %"/>	<input type="text" value="228,819.98"/>		Contribution Target <input type="text" value="228,819.98"/>

PP2 - City of Mulhouse

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
<input type="text" value="City of Mulhouse"/>	<input type="text" value="Public"/>	<input type="text" value="100.00 %"/>	<input type="text" value="1,999.85"/>	<input type="text" value="cash"/>	<input type="text" value="staff costs"/>
Total (€)		<input type="text" value="100.00 %"/>	<input type="text" value="1,999.85"/>		Contribution Target <input type="text" value="1,999.85"/>

PP3 - Motoco&co

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
<input type="text" value="Motoco&co"/>	<input type="text" value="Private"/>	<input type="text" value="96.29 %"/>	<input type="text" value="252,000.00"/>	<input type="text" value="in-kind"/>	<input type="text" value="rent Factory"/>
<input type="text" value="Motoco&co"/>	<input type="text" value="Private"/>	<input type="text" value="3.71 %"/>	<input type="text" value="9,699.91"/>	<input type="text" value="cash"/>	<input type="text" value="staff costs"/>
Total (€)		<input type="text" value="100.00 %"/>	<input type="text" value="261,699.91"/>		Contribution Target <input type="text" value="261,699.91"/>

PP4 - RtR

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
<input type="text" value="RtR Factory"/>	<input type="text" value="Private"/>	<input type="text" value="71.00 %"/>	<input type="text" value="257,099.97"/>	<input type="text" value="cash"/>	<input type="text" value="staff costs"/>
<input type="text" value="RtR Factory"/>	<input type="text" value="Private"/>	<input type="text" value="29.00 %"/>	<input type="text" value="105,000.00"/>	<input type="text" value="in-kind"/>	<input type="text" value="rent material lab"/>
Total (€)		<input type="text" value="100.00 %"/>	<input type="text" value="362,099.97"/>		Contribution Target <input type="text" value="362,099.97"/>

PP5 - Openfab

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
<input type="text" value="Openfab"/>	<input type="text" value="Private"/>	<input type="text" value="100.00 %"/>	<input type="text" value="36,000.00"/>	<input type="text" value="cash"/>	<input type="text" value="staff costs"/>
Total (€)		<input type="text" value="100.00 %"/>	<input type="text" value="36,000.00"/>		Contribution Target <input type="text" value="36,000.00"/>

PP6 - Technistub

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
Technistub	Private	100.00 %	21,000.08	cash	staff costs
Total (€)		100.00 %	21,000.08		Contribution Target <input type="text" value="21,000.08"/>

PP7 - Industrial Society of Mulhouse

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
SIM	Private	100.00 %	9,000.01	cash	staff costs
Total (€)		100.00 %	9,000.01		Contribution Target <input type="text" value="9,000.01"/>

PP8 - EES Clemessy

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
EES Clemessy	Private	100.00 %	5,999.78	cash	staff costs
Total (€)		100.00 %	5,999.78		Contribution Target <input type="text" value="5,999.78"/>

PP9 - Grand-Est Region

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
Grand-Est Region	Public	100.00 %	14,999.91	cash	staff costs
Total (€)		100.00 %	14,999.91		Contribution Target <input type="text" value="14,999.91"/>

PP10 - Manufactory Incubator

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
Incubator Manufactory	Public	100.00 %	61,350.30	cash	staff costs
Total (€)		100.00 %	61,350.30		Contribution Target <input type="text" value="61,350.30"/>

PP11 - E-nov Campus

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
e-nov Campus	Private	100.00 %	26,999.93	cash	staff costs
Total (€)		100.00 %	26,999.93		Contribution Target <input type="text" value="26,999.93"/>

PP12 - Art and matter

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
Art et la Matière	Private	100.00 %	6,000.00	cash	staff costs
Total (€)		100.00 %	6,000.00		Contribution Target <input type="text" value="6,000.00"/>

PP13 - Jacob Holm Industry France

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
Jacob Holm	Private	100.00 %	5,999.96	cash	staff costs
Total (€)		100.00 %	5,999.96		Contribution Target <input type="text" value="5,999.96"/>

PP14 - H2OPE

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
H2OPE	Private	100.00 %	8,999.90	cash	staff costs
Total (€)		100.00 %	8,999.90		Contribution Target <input type="text" value="8,999.90"/>

PP15 - Makeme

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
Makeme	Private	100.00 %	141,100.00	cash	staff costs
Total (€)		100.00 %	141,100.00		Contribution Target <input type="text" value="141,100.00"/>

PP16 - Time for the Planet

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
Time for the Planet	Private	100.00 %	31,350.30	cash	staff costs
Total (€)		100.00 %	31,350.30		Contribution Target <input type="text" value="31,350.30"/>

PP17 - Sémaphore Mulhouse Sud Alsace

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
Sémaphore	Public	100.00 %	1,999.85	cash	staff costs
Total (€)		100.00 %	1,999.85		Contribution Target <input type="text" value="1,999.85"/>

PP18 - TUBA Mulhouse South Alsace

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
TUBA	Public	100.00 %	1,199.91	cash	staff costs
Total (€)		100.00 %	1,199.91		Contribution Target 1,199.91

PP19 - CETIM Grand-Est

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
CETIM	Public	100.00 %	14,999.94	cash	staff costs
Total (€)		100.00 %	14,999.94		Contribution Target 14,999.94

PP20 - MICA Carnot Institute

Name of Organisation/ Source of Contribution	Legal Status	% of Total Partner Contribution	Amount (€)	Cash or In-kind Contribution	Comment
Carnot Institute	Public	100.00 %	8,000.09	cash	staff costs
Total (€)		100.00 %	8,000.09		Contribution Target 8,000.09

Part G - Risk Management

Description of the risk	Properties		Actions to mitigate the risk
Variety of stakeholders	Impact	Mnor	<ul style="list-style-type: none"> - RfR Association was created ad hoc so that its founding members can provide all high-level skills needed to manage the project. - The significant additional resources allocated to it (mainly service and consulting support) provide a variable that allows for flexibility and adaptability in the project's implementation. - The project has been structured in an open and robust way by involving each partner at key stages, thus facilitating their involvement.
Standards for new manufactured goods	Impact	Serious	<p>The project consists in experiments at the scale of a pilot territory to test the applicability of RfR to the challenges of circular economy, HITAs reactivation and economy relocalization. The issue of standards and new products will then arise as part of the scaling-up process. If an anticipation of potential problems must be carried out upstream (eg. vehicles), product standards will be investigated in order to find ad hoc solutions, with research partners.</p>
Open source / Open hardware, common goods	Impact	Serious	<p>The project will experiment and demonstrate the performance of Open Hardware/ Open Source models in the field of RfR. The integration of Open Source/ Open Hardware to prototype new goods/ services may hit operating monopolies related to intellectual property. Permanent attention will be paid to procedures, solutions and technologies used to avoid any obstacles if / when scaling up. Cooperation with leading figures (SZOL, Makers, territories in transition) will help inform this debate.</p>
Net-ups / common goods approach	Impact	Serious	<p>The value creation approach based on generating common goods for all hits the prevailing system based on property (proprietary systems, market monopolies) and may not be accepted outright by economic players. The approach is disruptive but should not be opposed to traditional capitalist ones. In fact, it complements them as it opens new fields of activity to users excluded from the dominant system, and provides new opportunities for innovation to address global challenges.</p>
Management concentrated on RfR Association / Motoco	Impact	Serious	<p>RfR association has been designed by aggregating expertise in a steering body that includes independent figures, including volunteering senior advisers, and substantial resources will be allocated to it. The variety of profiles ensures fair, robust governance (international experts network, link with RfR 1) and scientific integrity. The budget construction allows a great flexibility and adaptability (services and support provided by open source experts and practitioners, rather than FTEs).</p>



Part H - Confirmation

(Main) Urban Authority confirmation and signature

(Main) Urban Authority Mulhouse Alsace Agglomeration (m2A)

By signing the application form the (Main) Urban Authority hereby confirms that:

- the Urban Authorities involved in this project proposal are not involved in other proposals submitted to the UIA Initiative as part of this current Call for Proposals;
- the project neither in whole nor in part has or will receive any other complementary EU funding (except for the funding indicated in this application form) during the whole duration of the project;
- the project partners listed in the application form are committed to take part in the project's activities and financing;
- the (Main) Urban Authority and the project partners will act according to the provisions of the relevant national and EU legislation and policies (especially regarding structural funds, public procurement, state aid, environment and equal opportunities) as well as the specific provisions of the UIA Initiative;
- the information in the Application Form is accurate and true to the best knowledge of the (Main) Urban Authority
- general information about this project can be used by the UIA Initiative to liaise with national and regional authorities in charge of implementation of operational programmes funded by the European Structural and Investment Funds

Forename, Surname	<input type="text" value="Marc Buchert"/>	Date	<input type="text" value="10/12/2019"/>
Position	<input type="text" value="Vice President m2A"/>	Place	<input type="text" value="Mulhouse"/>
Authorized signature of (Main) Urban Authority	<input type="text"/>		