



EIT Urban Mobility

UPC Strategy

Barcelona, 17th February 2022

AGENDA 17/02/2022

- 12:00 - 12:10 Obertura a càrrec del Dr. Climent Molins, Vicerector de Transferència, Innovació i Emprenedoria de la UPC, i del Prof. Lluís Jofre, membre del Managerial Team de l'EIT-UM
- 12:10 - 12:30 Estat actual EIT-UM, a càrrec del Sr. Daniel Serra, Director de l'IH South - EIT-UM
- 12:30 - 12:50 Call for BP-2023-25 i jornades de Matchmaking, a càrrec del Sr. Martí Massot, Innovation Manager del EIT-UM
- 12:50 - 13:10 Bones pràctiques i iniciatives UPC sobre projectes, a càrrec del Dr. Miquel Estrada, coordinador iniciatives EIT-UM, i Jaume Julibert, project manager de la UPC per al EIT-UM
- 13:10 - 13:20 Possibles col·laboracions amb l'Àrea Metropolitana de Barcelona, Ajuntament de Barcelona i terceres empreses, a càrrec del Dr. Miquel Estrada
- 13:20 - 13:30 Torn obert

EIT UM impact on the UPC

- Academy.
 - Next call in February .<https://www.eiturbanmobility.eu/academy/>
 - Master in Urban Mobility. 2 tracks
- DTN.
 - 4th Intake.
 - Annual Meeting in Barcelona, 15-17 November 2022, together with the Tomorrow's Mobility WC
- Business creation-Factory + Accelerator
- City Club. Citizen Engagement. Chair.
- Innovation:
 - Innovation days 21 February-4 March.
 - Next call: 28th of February.

Timeline. Innovation

- 13th December. Cross-Hub event and matchmaking
- **21st Feb –4th March. EIT Urban Mobility - Innovation Days.**
 - **Active Mobility:** 22 February, 10:00 – 11:00h
 - **Future Mobility:** 22 February, 13:00 – 14:00h
 - **Sustainable City Logistics:** 24 February, 10:00 – 11:00h
 - **Mobility and Energy:** 24 February, 13:00 – 14:00h
 - <https://eit-urban-mobility-matchmaking-event.b2match.io/>
 - **28th Feb. BP 23-25 Call launch (?)**
 - **1:1 Meetings**
- **28th April. Proposal Submission (?)**

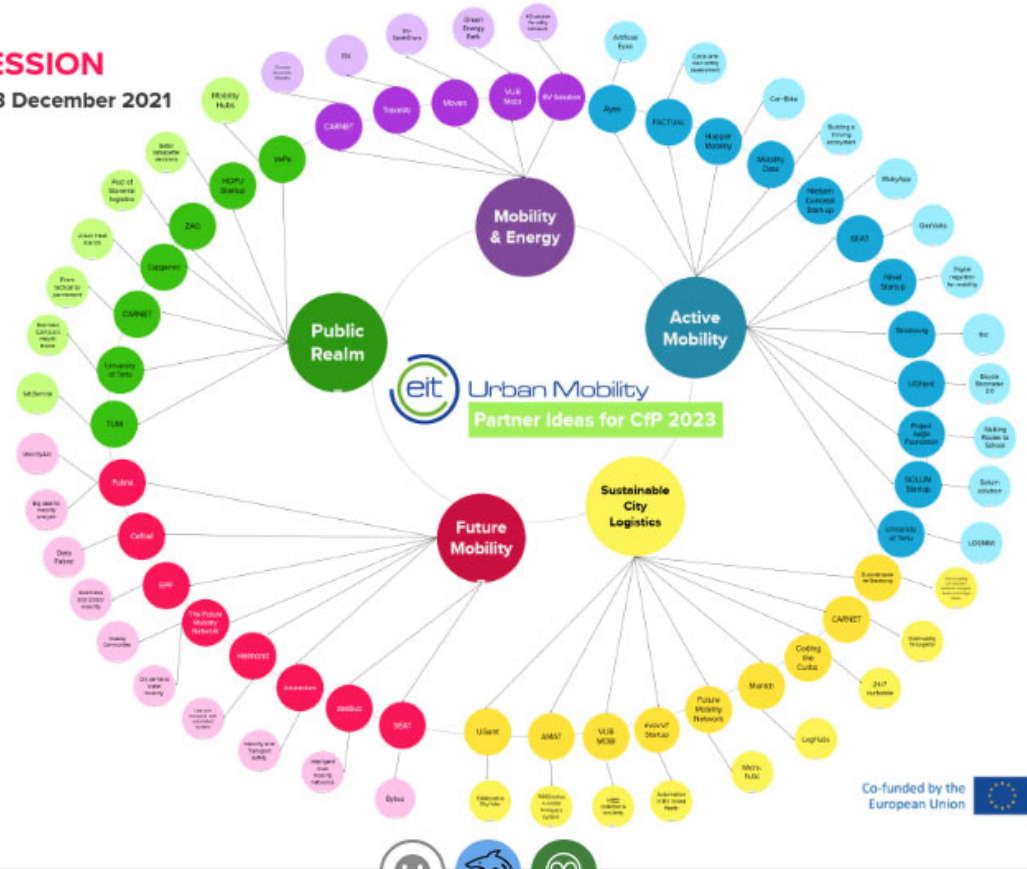


Mobility and Energy- Cross-Hub event and matchmaking

- Carnet-Circular Economy Mobility
- Moven- EV-Spot4Share
- VUB-Green Energy Park
- **EV Solution- H2**

LINK here

IDEATION SESSION
Cross-Hub Event, 13 December 2021



Active Mobility- Cross-Hub event and matchmaking

- AYES- Artificial Eyes (lectura semàfor invidents)
- **FACTUAL- EV-Spot4ShareSafer cycle lane network (Surveillance)**
- Hopper-Mobility-Car+bike (nou concepte d'e-bike)
- MOBILITY DATA- Building a thriving ecosystem (plataforma dades)
- **NIELSEN CONCEPT- MobyApp towards secured bike shelters (per SEAT)**
- SEAT- GiraVolta- Mobility platform as a highly scalable service
- NIVEL START-UP. Digital regulator for the city
- **UGhent- Bicycle barometer. Student bike routes**
- Project Aegle Foundation-.Walking Routes to School
- **SOLUM- Solum. Etrolley docking system (REBY+Telefonica)**
- **University of Tartu. Level of Service that streets provide for Micro-Mobility**

SUSTAINABLE CITY LOGISTICS- Cross-Hub event and matchmaking

- EUROMETROPLE STRASBOURG- intermodality connections between barges/boats and cargo bikes
- CARNET-Multimodality for Logistics. Carsharing+Logistics for professionals
- **CODING THE CURBS-Urban Freight Smartzones**
- MUNICH- Need for micro logistic hubs (UsA, UCC)
- FUTURE MOBILITY NETWORK- Micro-hubs
- EVOLVT- Sustainable City Logistics- ML research for the adoption of several types of electric vehicles in courier operations
- VUB-MOBI- WEEE collection 4 circularity
- AMAT- EBOATS. INNOvative e-naval transport system
- GHENT- Collaborative City Hubs

FUTURE MOBILITY- Cross-Hub event and matchmaking

- SEAT- Bybus-On demand bus, artificial intelligence
- ZEABUZ-Small, autonomous vessels creates shortcuts for soft trafficants, water front development and densification politics in city-centres
- **AMSTERDAM- Mobility and Transport safety –30km/h & ISA**
- **HELMOND- Last mile transport with automated shuttles**
- THE FUTURE MOBILITY NETWORK-On demand water mobility
- THE FUTURE MOBILITY NETWORK-Mobility Communities (bla, bla car)
- **EUROPEAN PASSENGER FEDERATION- Seamlessdoor2door mobility**
- CEFRIEL- Mobility Data Fabric
- POLIMI _big data for mobility analysis
- POLIMI- Mobility for All (M4ALL)Target demand, Reduced mobility people

2020



Business Plan	ACRONYM	ID (PLAZA)	Anualitat	Estat 1a Avaluacio	Thematic Area	Segment
BP2020	MOBY	20034	MultiYear 2020 - 2021		Innovation	2.1 Accelerate Urban Transformation
BP2020	CAROLINA	20002	2020		Innovation	2.4 Decarbonize and Automate Mobility
BP2020	CITYTHON	20031	2020		Academy	1.3 Competence Hub
BP2020	Fees and Scholarships	20079	2020		Academy	1.1 Master School
BP2020	Programme Execution	20080	2020		Academy	1.1 Master School
BP2020	Summer Schools etc	20082	2020		Academy	1.1 Master School
BP2020	ILP	20025	2020		Academy	1.3 Competence Hub
BP2020	Boost I&E	20019	2020		Academy	1.1 Master School
BP2020	PRO-MaaS	20029	MultiYear 2020 - 2021		Innovation	2.3 FulFill Mobility Needs
BP2020	Anti-Trash	20007	2020		Innovation	2.4 Decarbonize and Automate Mobility
BP2020	InnovaCity	20066	2020		Academy	1.3 Competence Hub
BP2020	OSCAR	20033	2020		Innovation	2.1 Accelerate Urban Transformation
BP2020	CityFlows	20003	2020		Innovation	2.3 FulFill Mobility Needs
BP2020	SMUD	20036	2020		Innovation	2.2 Foster Integrated Mobility

2021

Business Plan	ACRONYM	ID (PLAZA)	Anualitat	Estat 1a Avaluació	Thematic Area	Segment
BP2021	CityFlows (Test)	20003/21099	MultiYear 2020 - 2021	Aprovat	Innovation	FulFill Mobility Needs
BP2021	South Region Acceleration (20032 Accelerator)	20032/21129	MultiYear 2020 - 2021	Aprovat	Business Creation	Acceleration
BP2021	CELESTE	21109	2021	Concedit	Innovation	Decarbonize and Automate Mobility
BP2021	REORDER	21104	2021	Aprovat	Innovation	Decarbonize and Automate Mobility
BP2021	CITYTHON	20031/ 21064	MultiYear 2020 - 2021	Concedit	Academy	Competence Hub
BP2021	WUM	21072	2021	Aprovat	Academy	Competence Hub
BP2021	Boost I&E 2.0	20019/21136	MultiYear 2020 - 2021	Concedit	Academy	MasterSchool
BP2021	NewUM	21093	2021	Concedit	Academy	Competence Hub
BP2021	Anti-Trash	20007/21010	MultiYear 2020 - 2021	Aprovat	Innovation	Decarbonize and Automate Mobility
BP2021	SmartHubs	21062	MultiYear 2021 - 2023	Aprovat	Innovation	Foster Integrated Mobility
BP2021	WalCycData	21172	2021	Concedit	Innovation	Decarbonize and Automate Mobility
BP2021	InnovaCity (IC2021)	20066/ 21065	MultiYear 2020 - 2021	Aprovat	Academy	Competence Hub
BP2021	MultiDEPART	21114	2021	Aprovat	Innovation	FulFill Mobility Needs
BP2021	e-ULTIMATE	21169	2021	Concedit C	Innovation	Decarbonize and Automate Mobility

2021

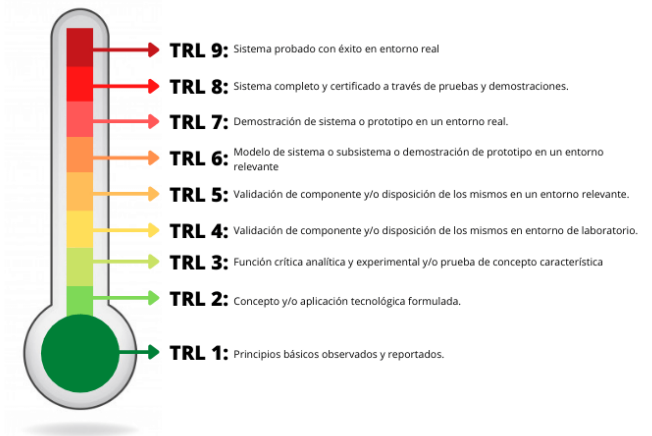
Business Plan	ACRONYM	ID (PLAZA)	Anualitat	Estat 1a Avaluació	Thematic Area	Segment
BP2021	Logismile	21077	MultiYear 2021 - 2024		Innovation	Foster Integrated Mobility
BP2021	MOBY (Living lab e-micromobility)	20034/ 21032	MultiYear 2020 - 2021		Innovation	Accelerate Urban Transformation
BP2021	PROUDNESS	21014	2021		Innovation	Foster Integrated Mobility
BP2021	PEVC	21160	2021		Innovation	Accelerate Urban Transformation
BP2021	CAROLINA	20002/ 21016	MultiYear 2020 - 2021		Innovation	Decarbonize and Automate Mobility
BP2021	eFIRE	21018	2021		Innovation	Decarbonize and Automate Mobility
BP2021	MAP2021	21020	2021		Innovation	Decarbonize and Automate Mobility
BP2021	PARTOUT	21027	MultiYear 2021 - 2025		Innovation	Accelerate Urban Transformation
BP2021	Urban WaveDriving	21196	2021		Innovation	Decarbonize and Automate Mobility
BP2021	PRO-MaaS	20029/21086	MultiYear 2020 - 2021		Innovation	FulFill Mobility Needs
BP2021	TOOL4HEAT	21195	2021		Innovation	Accelerate Urban Transformation
BP2021	VOSCO (OSCAR)	21061	MultiYear 2020 - 2021	Denegat	Innovation	FulFill Mobility Needs
BP2021	CarPPPpool	21189	2021		Innovation	FulFill Mobility Needs
BP2021	D2K-Sen4Mob	21040	2021		Innovation	FulFill Mobility Needs
BP2021	EPIC Parking	21017	MultiYear 2021 - 2022		Innovation	Accelerate Urban Transformation
BP2021	PLATOON	21198	2021	Denegat	Innovation	FulFill Mobility Needs
BP2021	TOTAL	21161	2021		Innovation	FulFill Mobility Needs

2022

Business Plan	ACRONYM	ID (PLAZA)	Anualitat	Estat 1a Avaluació	Thematic Area	Segment
BP2022	LogiSmile	22140	2022		Innovation	Logistics
BP2022	21129 Accelerator South	22023	2022		Business Creation	Accelerator
BP2022	SMAMS	22058	2022		EIT Regional Innovation Scheme	RIS Innovation – projects for special RIS needs
BP2022	UATMDEMO	22072	2022		Innovation	Future Mobility
BP2022	21064 CITYTHON	22168	2022		Academy	Competence Hub
BP2022	RideSafeUM	22265	2022		Innovation	Active Mobility
BP2022	4I4U	22016	2022		Citizen Engagement	Connect and Exchange
BP2022	21072 WUM	22027	2022		Academy	Competence Hub
BP2022	ParTIIM	22249	2022		Citizen Engagement	Connect and Exchange
BP2022	FURNISH-KIDS	22156	2022		Public Realm	Public Realm
BP2022	21065 InnovaCity 2.0	22078	2022		Academy	Competence Hub
BP2022	BuddYS	22183	2022		Innovation	Future Mobility
BP2022	Y-LAB	22289	2022		Citizen Engagement	Connect and Exchange
BP2022	Zones LOWeZONE	22160	2022		Academy	Competence Hub
BP2022	IMMENSE	22206	2022		Innovation	Future Mobility
BP2022	DREAMS	22123	2022		Innovation	Logistics
BP2022	Disrupting MaaS	22241	2022		Academy	Competence Hub
BP2022	AGORA	22283	2022		Citizen Engagement	Connect and Exchange
BP2022	PartQual	22145	2022		Citizen Engagement	Connect and Exchange

UPC participation

- Business-oriented proposals with high TRL factors
- Creation of Start-ups during the project
- Evaluation: Financial Sustainability + Technical excellence
- 70% EIT funds, 30% co-funded UPC
- Topics related to the challenges and areas identified by EIT UM
- Projects with scalability
- EIT UM Factory may help in the exploitation and scalability
- Generally, >2 cities and >2 Innovation Hubs



2023

Sustainable City Logistics :

- **Night Distribution. Virtual keys or retail shops**
- **ADD - Lockers for autonomous delivery devices**
- **Local Marketplaces**

Active Mobility :

- **Path finders**
- e-trolley docking stations ??
- Bike stations?
- e-Trolley tracking?
- Flexible urban furniture (3d Printing). Waste Collection
- **APPs...però problema amb generació de Negoci**

2023

Future Mobility:

- Bus lane surveillance by videocameres
- Drones
- Digital twins (Simulation tools)
- GAIAx

Mobility and energy

- Hydrogen plant management with TMB and Iberdrola,..... Financial Sustainability?
- APP sobre electric charging cost savigs

2023- Competence hub

Academic Courses:

- Low emission zones
- Urban Mobility taxation and concessions
- Digital twins
-

New initiatives

- **Identification of upcoming EU calls where top-evaluated proposals (failed) can be submitted.**
- **UPC Urban Mobility seminars.** UPC Research group online presentations. Meetings every month.
- **Identification of UPC key topics.** Collaborative Master Thesis in the same topics supervised by faculty members affiliated to different Departments
- **Urban Mobility Doctoral Network at UPC.** Interaction of PhD students with complementary skills
- **Courses in Urban Mobility topics** (out of official Bch and Master curriculums).



miquel.estrada@upc.edu

