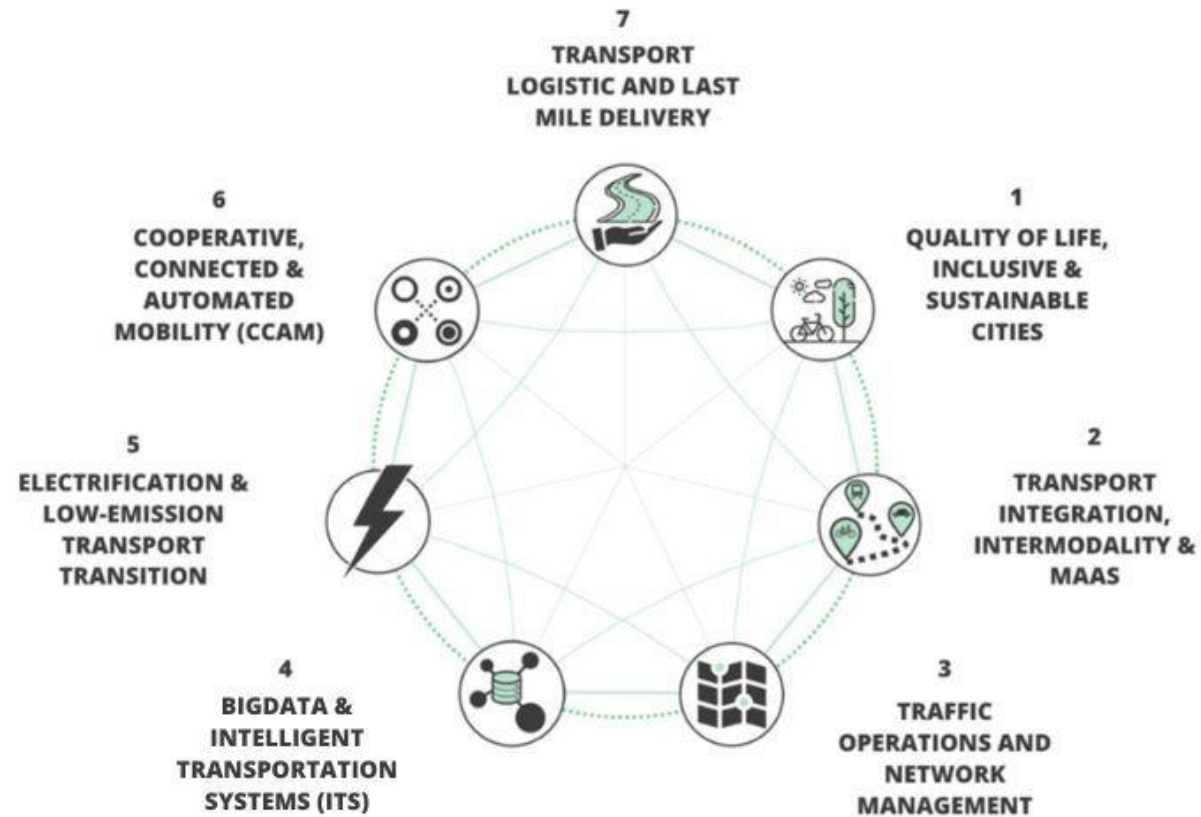


## CLASIFICACIÓN PROYECTOS

Clasificación de los proyectos de los miembros del Cluster MoviTUR según las líneas de investigación vigentes.

Última actualización: 21/04/2023 10:36

### 1. Identificación líneas de investigación



### 1. QUALITY OF LIFE, INCLUSIVE & SUSTAINABLE CITIES



Cities concentrate the problems of air quality, accidents, noise, pollution, etc. Solutions can only be achieved by combining technological solutions with urban regulation, land use control and information systems to generate urban management systems that ensure the sustainability and quality of urban life.

Cluster members: INSIA, TRANSyT, GIAU+S, GATV

### 2. TRANSPORT INTEGRATION, INTERMODALITY & MAAS



The shift from personally-owned modes of transportation towards a intermodal mobility provided as a service its transforming very quickly our transport patterns. As we look for the consolidation of this system, we also need to analyze and predict its impacts in our cities and infrastructure.

Cluster members: INSIA, TRANSyT, GATV, GIAU+S, GB2S, OEG, IOL

### 3. TRAFFIC OPERATIONS AND NETWORK MANAGEMENT



Environmental challenges and limited urban space require the optimization of traffic flows and multimodal management of public transport services. Also, the irruption of new shared mobility services and their integration into existing networks presents important challenges that should be answered from multiple technological, urban planning disciplines and from the point of view of infrastructures.

Cluster members: INSIA, TRANSyT, GIAU+S, GB2S, OEG, I2A2

#### 4. BIGDATA & INTELLIGENT TRANSPORTATION SYSTEMS (ITS)



Efficient transport management requires the capture, management and exploitation of vehicle, network and infrastructure, demand, environment, road safety, urban environment and land use databases. Therefore, large transport operators need providers to understand, structure and exploit the information, in order to produce action plans that optimise costs, environment and social integration.

*Cluster members: INSIA, TRANSyT, GATV, GIAU+S, GB2S, OEG, IOL, I2A2*

#### 5. ELECTRIFICATION & LOW-EMISSION TRANSPORT TRANSITION



The global shift towards low-carbon, circular economy has started and its pace is accelerating, increasing the efficiency of the transport system, speeding up the deployment of low-emission alternative energy for transport such as electricity and moving towards low- and zero-emission vehicles. Batteries, energy efficiency and propelling systems are, amongst others, topics we are researching.

*Cluster members: INSIA, TRANSyT*

#### 6. COOPERATIVE, CONNECTED & AUTOMATED MOBILITY (CCAM)



In the near future, vehicles will interact directly with each other and with the infrastructure, improving safety, traffic efficiency and driving comfort and providing their full integration in the overall transport system. Our aim is not only to develop them, but also to predict and analyze its impacts in our society.

*Cluster members: INSIA, TRANSyT, GATV, GB2S, IOL, I2A2*

## 7. TRANSPORT LOGISTIC AND LAST MILE DELIVERY



The development of new materials, techniques and engineering tools that make it possible to improve the construction, maintenance, management and rehabilitation of infrastructure, remodeling the nature of integrated transport policy, planning, optimization, financing, delivery and management in real time, integrating safety and accessibility.

Cluster members: INSIA, TRANSyT, GIAU+S, IOL

## 2. Identificación y clasificación proyectos moviTUR

YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2022-25	<b>IMPETUS</b> Impact of e-commerce on urban mobility trends after COVID19: modeling policies to optimize sustainability.	MICINN/ AEI; FEDER	José Manuel Vassallo	TRANSyT	X							X
2022-25	<b>VIR2ALL</b> Using virtual reality for simulating a new generation of collaborative future scenarios to integrate land use and transport	MICINN/ AEI; FEDER	Julio A. Soria-Lara; M <sup>a</sup> Eugenia López	TRANSyT			X	X				
2022-24	<b>INFRA4MOV</b> Intelligent traffic monitoring infrastructure for mobility management	MICINN	Felipe Jiménez/ Jose Eugenio Naranjo	INSIA				X				
2022-24	<b>PLAN4LEZ</b> Guidelines for the optimal and socially acceptable implementation of low-emission zones	MICINN/AEI; Unión Europea NextGenerationEU/ PRTR.	Emilio Ortega; M <sup>a</sup> Eugenia López; Óscar Martínez	TRANSyT	X		X					
2022-24	<b>ECOTRAFFIC-APP</b> Mobile APP for green and clean navigation: optimal itineraries (eco-routing), minimum emissions and social impacts (congestion-affected population)	MICINN/AEI; NextGenerationEU/ PRTR	Andrés Monzón; Cristina López; Oscar Martínez	TRANSyT	X			X				
2022-24	<b>GREENSHARE.</b> Modeling the impact of shared electric mobility on climate change and pollution: digital and regulatory means to improve urban areas.	MICINN/ AEI; FEDER	José Manuel Vassallo	TRANSyT	X				X			

YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2022-24	<b>TIC-TIME</b> The influence of ICT on travel time use and productivity. Effects on the decarbonization of mobility.	MICINN/AEI; NextGenerationEU/ PRTR.	Rosa M <sup>a</sup> Arce Ruiz	TRANSyT	X	X	X					
2021-24	<b>MICROMOV</b> Development and validation of a prototype of an advanced analytical tool for the management of shared micromobility and its efficient integration with public transport.	MICINN/AEI; Europea Next GenerationEU/ PRTR	José Manuel Vassallo Magro	TRANSyT;		X		X				
2022-23	<b>AVENTURA</b> System for the automation of public and shared transport vehicles for semi-structured environments.	MCINN	Felipe Jiménez/ Jose Eugenio Naranjo	INSIA				X				
2022-23	<b>PRECAVIA</b> Pedestrian re-identification in representative environments and real conditions for the development of AI-based added value applications. It creates a platform to provide added value services based on the re-identification of pedestrians	Red.es; FEDER	Juan José Vinagre	GB2S	X		X	X				
2021-25	<b>SCALE-UP</b> Scale-up user-Centric and dAta driven soLutions for connEcted Urban Poles	European Commission -H2020	Andrés Monzón	TRANSyT; GATV	X	X	X	X				

YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2021-25	<b>Accessibility and planning for the 15-minute city</b>	MICINN; UPM		GIAU+S	X		X					
2021-24	<b>METROPOLIS</b> To develop smart mobility applications based on data-driven collaborative strategies for passenger and freight distribution in metropolitan areas	MICINN/AEI; NextGenerationEU/ PRTR	Andrés Monzón	TRANSyT; GATV; INSIA	X	X		X				X
2021-23	<b>SIM4PLAN</b> The SIM4PLAN proof-of-concept project focuses on the development and validation of a prototype multi-user system for the spatial simulation of disruptive scenarios integrating land use and transportation systems.	MICINN/AEI; Next GenerationEU/ PRTR	Julio Soria-Lara	TRANSyT;	X	X	X					
2021-23	<b>LEAD.</b> Low-Emission Adaptive last mile logistics supporting on Demand economy through digital twins	European Commission -H2020	José Manuel Vassallo	TRANSyT ; I2A2		X		X				X
2021-23	<b>NEXT4MOB.</b> Next Generation Tools for advanced Mobility solutions	MICINN/AEI; NextGenerationEU/ PRTR	M <sup>a</sup> Eugenia López Lambas	TRANSyT	X			X				
2021-23	<b>SHAPE</b> Simulation tool for the sustainable deployment of shared mobility systems	Comunidad de Madrid; FEDER	José Manuel Vassallo; Juan José Vinagre	TRANSyT; GB2S		X	X	X				

YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2021-23	<b>R3CAV</b> Research of technologies and architectures for the development of new autonomous, connected, robust, reliable and resilient vehicles	CDTI	Felipe Jiménez/ Jose Eugenio Naranjo	INSIA				X				
2021-23	<b>CARDHIN</b> Hydrogen and inductive dynamic charging for electric vehicles based on renewable sources	CDTI	José Manuel Vassallo; Juan José Vinagre	TRANSyT; GB2S	X				X			
2021-23	<b>APHIRICCO</b> Hybrid predictive monitoring of the International Regularity Index for an optimum road maintenance	Aceinsa; CDTI	Juan José Vinagre	GB2S	X	X		X	X			
2020-23	<b>CCAD</b> Distributed arbitration system for connected and autonomous cooperative driving in complex environments. Cooperative services and situational awareness	MICINN		INSIA				X				
2020-23	<b>MOVILIDAD 2030</b> The Mobility 2030 project aims to address technologies in intelligent mobility to overcome current limitations, contributing to the achievement of the objectives set at national and international level in sustainable mobility for 2030	CDTI	Felipe Jiménez/ Jose Eugenio Naranjo	TRANSyT; INSIA	X	X		X				
2020-23	<b>AUTO-BUS</b> Autonomous operation of Urban Buses inside a depot for Refueling, Washing, Workshop and Parking	CDTI	Felipe Jiménez	INSIA				X				



YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2020-22	<b>U-MOVE</b> Smart strategies for sustainable urban mobility: the role of travel apps	MCINN/ AEI	Andrés Monzón	TRANSyT	X	X	X	X				
2020	<b>InURBA</b> Fractured metropolises. Vulnerability, territorial rebalancing and institutionalization of integrated urban development strategies	MCINN	Ana Díez Bermejo; Agustín Hernández Aja	GIAU+S	X		X					
2019-21	<b>Co-Mov</b> Characterization of new forms of collaborative urban mobility through the processing of data sources: design of measures to contribute to connected and efficient mobility.	Comunidad de Madrid; FEDER	José Manuel Vassallo; M <sup>a</sup> Carmen Sánchez	TRANSyT; GB2S	X			X		X		
2019-21	<b>OPREVU</b> Use of virtual reality techniques to optimize systems for the identification of vulnerable road users by predicting their reactions in the pre-crash phase	MCINN/ AEI; FEDER	Javier Paez Ayuso	INSIA				X				
2019-21	<b>MOBIAM</b> MOBIAM creates a global mobility platform that integrates information from private vehicles traffic, public transport, pedestrians, meteorology and pollution	MICINN-RETOS; FEDER	M <sup>a</sup> del Carmen Sanchez	GB2S	X	X		X				
2019-21	<b>MOBISHARING</b> Assessing the impact and potential of the collaborative economy to achieve sustainable and integrated mobility using big data techniques	MICIU	Jose Manuel Vassallo; Juan Gómez	TRANSyT; GB2S	X			X				

YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2019-21	<b>APPARCCO</b> Parking with adaptive pricing policies to reduce congestion and pollution and optimize service	MICIU-RETOS; FEDER	Maria del Carmen Sanchez	TRANSyT; GB2S	X	X	X	X				
2019-20	<b>REMOTE DRIVE-2</b> Evolution of the REMOTE DRIVE demonstrator to obtain its standardization and multiplatform installation capability	MINISDEF	Felipe Jiménez/ Jose Eugenio Naranjo	INSIA				X				
2019	<b>SNAP</b> Seamless exchange of multi-modal transport data for transition to National Access Point	Comunidad de Madrid; FEDER	Oscar Corcho	OEG		X		X				
2019-21	<b>5G-MOBIX</b> 5G for cooperative and connected automated mobility on x-border corridors	Comission European-H2020	Federico Alvarez; Jose Manuel Menéndez	GATV							X	
2018-22	<b>ESTIBA+2022</b> Development of i4.0 technologies for the digitalization of Spanish ports through highly automated logistics (Smart Digital Ports)	CDTI	Felipe Jiménez	INSIA				X				
2018-21	<b>SPRINT</b> Semantics for PerfoRmant and scalable INteroperability of multimodal Transport	Comission European-H2020	Oscar Corcho	OEG		X	X	X				

YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2018-21	<b>TUNNELAD</b> Tunnel Autonomous Driving	MINECO-RETOS	José Eugenio Naranjo	INSIA;				X				
2018-20	<b>RETEVI-II</b> Thematic Network on Intelligent Vehicles	MINECO	Felipe Jiménez	INSIA; TRANSyT; GATV				X				
2018-19	<b>Noise pollution analysis in Pozuelo de Alarcón</b>	UPM	Guillermo de Arcas	I2A2	X							
2017-20	<b>AUTOMOST</b> AUTOMOST's objective is to develop technologies that enable the automation of vehicles in urban and industrial transportation applications, in order to significantly increase efficiency, safety and sustainability.	CDTI-CIEN	M <sup>a</sup> Eugenia López; Felipe Jimenez	TRANSyT ; INSIA				X		X		
2017-20	<b>C-ROADS</b> The C-Roads is a joint initiative of EU member states and road operators to test and implement transport services focused on cross-border harmonization and interoperability	European Commission-CEF	Felipe Jimenez; José Manuel Vassallo	INSIA; TRANSyT; GATV			X	X		X		

YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2017-20	<b>FUTURE-RADAR</b> Future Research, Advanced Development and Implementation activities for Road Transport	European Commission- H2020	Andrés Monzón	TRANSyT	X			X	X			X
2017-20	<b>CAV</b> Integration of cooperative systems for autonomous vehicles in shared traffic	MINECO	Felipe Jiménez / Jose Eugenio Naranjo	INSIA				X				
2017-19	<b>Transforming Transport</b> Big Data will have a profound economic and societal impact in the mobility and logistics sector, which is one of the most-used industries in the world contributing to approximately 15% of GDP	European Commission- H2020	Andrés Monzón	TRANSyT; OEG;				X				X
2017-18	<b>SICOTRAM</b> Cooperative systems as support for safe transitions between automatic and manual modes in autonomous driving	DGT	Felipe Jiménez	INSIA				X				
2016-20	<b>CIVITAS ECCENTRIC</b> Innovative solutions for sustainable mobility of people in suburban city districts and emission free freight logistics in urban centres	European Commission- H2020	Ángel Aparicio	TRANSyT	X		X		X			X
2016-19	<b>All-in-One</b> All-in-One builds a traffic monitoring platform that integrates counting and identification in space and time to provide enhanced traffic management information, and meaningful visual tools.	MINECO-RETOS; FEDER	M <sup>a</sup> . del Carmen Sanchez	GB2S			X	X				

YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2016-19	<b>CICLOPE</b> Optimization system for urban driving cycles. Application to the generation of patterns adapted to environmental requirements and operating situations of vehicle fleets	MINECO	Francisco Aparicio	INSIA	X		X	X				
2016-19	<b>IN ITINERE</b> Integrated, expanded, relevant and efficient information for traffic identification	MINECO- RETOS; FEDER	M <sup>a</sup> . del Carmen Sanchez	GB2S			X	X				
2016	<b>OASIS</b> The project focuses on the openness and reuse of data in the field of public services offered by local entities and in the public transport sector.	European Commission-CEF	Oscar Corcho Garcia	OEG			X	X				
2016	<b>ScootCity</b> Development of a communication platform for the use of electric scooters as an element of information collection in smart cities		Juan Manuel Lopez	I2A2				X	X			
2016-18	<b>AUTOCITS</b> Regulation Study for Interoperability in the Adoption of Autonomous Driving in European Urban Nodes	European Commission-CEF	Jose Eugenio Naranjo	INSIA		X		X		X		
2016-17	<b>RETEVI.</b> Thematic Network on Intelligent Vehicles.	MINECO	Felipe Jiménez	INSIA; TRANSyT; GATV				X				
2015-18	<b>HARMONY</b> Viability Analysis on the Harmonization of Common Data Type Categories for the Road and Public Transport Network	European Commission-INEA	Andrés Monzón Jose Manuel Menéndez	TRANSyT; GATV		X	X	X				

YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2015-17	<b>REMOTE-DRIVE</b> Drive-By-Wire for remote guidance of conventional vehicles in advance terrain survey missions and pre-programmed driving through waypoints.	MINISDEF	Felipe Jiménez	INSIA				X				
2015	<b>ITSF</b> Research in railroad simulation techniques	Baobab soluciones S.L.	Miguel Angel Ortega Mier	IOL		X						
2015	<b>SEGAUTO</b> It is the acronym of the scientific program of activities AUTOMobile Vehicle Safety, for an intelligent, sustainable, safe and inclusive mobility.	Comunidad de Madrid; Fondos Estructurales EU	Luis Martínez Sáez	INSIA	X	X		X	X			
2014-16	<b>ADAS-ROAD</b> Advanced driving assistance system for intercity environments.	MINECO	Felipe Jiménez / Jose Eugenio Naranjo	INSIA				X				
2014-15	<b>AVESE</b> Real-time warning of safe speed according to vehicle type and road conditions with cell phones: development and impact analysis.	DGT	Felipe Jiménez	INSIA				X				
2013-16	<b>OPTICITIES</b> Optimise Citizen Mobility and Freight Management in Urban Environments	European Commission- FP7	Jose Manuel Menéndez	GATV	X			X				X

YEAR	IDENTIFICATION	Funding	IP	PARTICIPATING MEMBERS	RESEARCH LINES							
					1	2	3	4	5	6	7	
2011-14	<b>CIUDAD2020</b> Innpronta City 2020: towards a new sustainable city model	CDTI	Andrés Monzón	TRANSyT ; OEG	X		X					
2011-14	<b>DECOMOBIL</b> Support action to contribute to preparing future community research programme in use centred design for ecological multimodal mobility		Jose Manuel Menéndez	GATV	X		X					
2011-12	<b>SAMPLER</b> Pre-collision activation system to avoid accidents in urban environments.	MCINN	Felipe Jiménez	INSIA				X				
2010-11	<b>IVIEW</b> Feasibility study for the implementation of implementing Cooperative Systems.	MINCOTUR- Plan Avanza	Felipe Jiménez	INSIA				X				
2009-12	<b>TECMUSA</b> Technologies for Sustainable and Accessible Urban Mobility.	MCINN- FEDER	Francisco Aparicio	INSIA; GATV	X			X	X	X		

Fuentes:

- Páginas webs de los miembros
- Observatorio I+D+i UPM
- Portal Científico UPM