

At a local level, the Mataari project aims to reduce conflicts between different traffic components, catalyse shifts to intermodal and combined transport and further integrate transport networks.



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The partners will develop specific local/regional projects concerning three main topics: virtual accessibility, real accessibility and industrial districts.



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LEAD PARTNER



REGIONE EMILIA-ROMAGNA-ITALY

Contact: Mr. Rino Rosini

e-mail: rrosini@regione.emilia-romagna.it

Telephone #: 0039 051 283831— Fax #: 0039 051 283541

REGIONE TOSCANA
ITALY



FUNDACION VALENCIAPORT
SPAIN



REGIONE CALABRIA
ITALY



ILLES BALEARES
SPAIN



ARMINES
FRANCE



AREAL
PORTUGAL



REGIONE SARDEGNA
ITALY



UPC BARCELONA
SPAIN



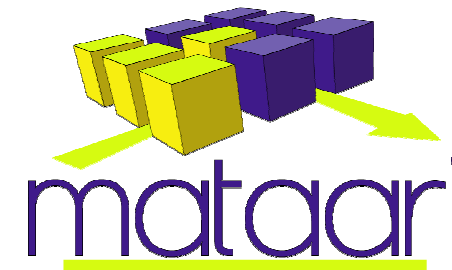
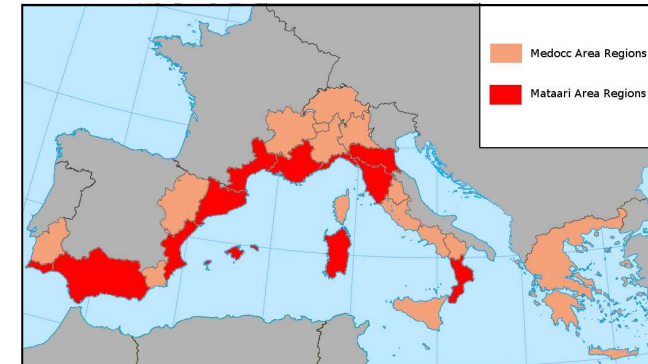
AICIA SEVILLE
SPAIN



CETE MEDITERRANEE
FRANCE



LIGURIA RICERCHE S.p.A.
ITALY



IMPROVEMENT OF ACCESSIBILITY TO
TRANSPORT AND LOGISTIC SERVICES
AMONG URBAN AND INTERMODAL
CENTRES

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The Mataari Project endeavours to improve the accessibility of local areas to transport and logistic services and to the Trans-European Transport Network (TEN-T).



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It is an innovative project in the sense that it approaches mobility and accessibility problems by looking at the access that transport users and industry have to their various destinations.

This approach will concentrate on how, and how effectively, transport users and industry reach their final destinations.

LEAD PARTNER

REGIONE EMILIA-ROMAGNA — ITALY

The Region of Emilia-Romagna – Transport Planning and Logistics Department is the Lead Partner of the MATAARI project and it is responsible for the overall transnational technical and managerial project coordination.

At vertical level it will develop a pilot project concerning the accessibility of industrial areas in Modena, in particular dealing with logistics criteria for companies localization and with ICT applications to foster companies' competitiveness, logistic cooperation and access to logistic services.

At horizontal level Emilia-Romagna Region is responsible for the key-topic of accessibility of industrial districts and areas to logistic services and to European corridors.

PARTNER n. 1

REGIONE TOSCANA — ITALY

Regione Toscana, Department of Territorial and Environmental Politics - Port and Airport Logistics Sector, will develop a local pilot project based on "real accessibility" concerning transport and logistics services accessibility in the "large" urban and extra-urban area of the city of Livorno. The project (developed with the Province and Municipality of Livorno, the Transport Company ATL and other Local Operators) involves the main route network surrounding the urban area where different traffic typologies and displacements, such as urban and extra urban traffic, and traffic related to the harbour and its nearby area flow into.

The main objective of the project is to study and experiment technological solutions that make the transport network efficient and integrated leading towards a sustainable mobility as much as possible respectful of the environment.

Two strands of activities will take place:

Analysis and study of modelling and simulation tools

Demonstration of a prototype for data acquisition and information on traffic circulation.

PARTNER n. 2

FUNDACIÓN VALENCIAPORT — SPAIN

The Valenciaport Foundation will undertake, at a vertical level, a pilot project related to the real accessibility of the Port of Valencia. Key activities will include analyses of transport flows, the present state of transport networks, an identification of key transport centres & logistics platforms located within the hinterland of the Port of Valencia and their respective characteristics, the impact of new port infrastructures and ICT solutions in terms of traffic flows and accessibility and the designing and implementation of a traffic control system for containerised road traffic. Local partners will include the Port Authority of Valencia, the University of Valencia and Infoport.

PARTNER n. 3

REGIONE CALABRIA — ITALY

The pilot project, that Calabria Region will develop within of the MATAARI project, concerns the experimentation of ITC solutions finalized to integration of local enterprises in the regional logistic chain. The pilot project consists of the following steps:

state of the art of the good transport and the logistic services in the two districts of Lamezia Terme and Gioia Tauro;

survey of the requirements of logistic services and infrastructure of the two districts;

development of ICT solutions in order to satisfy the requirements of the two districts;

impacts evaluation, also by simulation models, of ITC solutions for the improvement of accessibility in the districts of Lamezia Terme and Gioia Tauro.

PARTNER n. 4

ILLES BALEARES — SPAIN

The Balearic Islands will develop, at vertical level, a pilot project on the topic of virtual accessibility. They will carry out the following activities:

The conduction of a study on public transport and logistics in the Island of Majorca.

The creation of a WEB site with the goal of supporting public transport users and logistics operators for the definition of trips and routes.

PARTNER n. 5

ARMINES/LGI2P — FRANCE

LGI2P is one of the three research centres of Ecole des Mines d'Alès, an engineer school located in the south of France. The research team in LGI2P is made up of 28 teacher-researchers who work in the field of computer science and manufacturing engineering. Armines is a contract research association and a partner of the several engineer schools such as the 6 School of Mines but also the Paris polytechnic school. It is currently regarded in France as the first contract research organisation working with school institutions. The aim of the local project carried out by Armines-LGI2P is to improve the virtual accessibility to the transport networks by developing a commuting information portal. Armines-LGI2P is also in charge of the website of the project.

PARTNER n. 6

AREAL ALGARVE — PORTUGAL

AREAL - Algarve Regional Energy and Environment Agency is a non-profit private association which has as main goal to collaborate in the definition and implementation of Regional Energy Politics as a way to contribute for the Algarve Sustainable Development.

As far as the MATAARI Project is concerned, AREAL intends to characterize the fish distribution chain in Portugal and in the Algarve and identify the major challenges and barriers of the chain in this region. AREAL will also study and compare different configurations of the distribution chain for different scenarios, analyzing the relationship between three parameters: service level, economics and environmental impacts (in terms of energy consumption and GHG emissions). Finally AREAL will study the possible roles of a large commercial area – MARF (Supplying Market of Faro) in the system.

PARTNER n. 7

REGIONE SARDEGNA — ITALY

The Autonomous Region of Sardinia will conduct, at vertical level, a feasibility study on the rationalization of urban freight distribution in the city of Cagliari and the surrounding area. At first, the study will focus on the problems of the historical centre of Cagliari while afterwards the results will be extended to the whole area. The Department of Transport will carry out the following activities:

The collections of data on freight movement in the aforementioned area and the identification of local needs.

The definition of the methodology and identification of appropriate instruments for the rationalization of logistic flows.

The conduction of a territorial analysis in order to localize an hypothetical urban freight distribution centre near the city.

The application of existing technologies to improve traffic control and logistic chains efficiency (RFID, Blue Tooth, EDI, etc.).

PARTNER n. 8

UPC BARCELONA — SPAIN

The role of UPC in MATAARI concerns namely the development of the horizontal activity which will provide the simulation tool to assist in the design and evaluation of impacts of the proposed solutions. The simulator proposed is the microscopic traffic AIMSUN already used in SESTANTE, the technical assistance and support will namely consist of:

Contributing to the definition of the models to be used and specification of the data requirements

Assist in the calibration and validation of the models

Contribution to the definition of management strategies and their implementation on the systems

Conduct the simulation analysis and analyze the results

This support will specifically apply to the vertical projects of Livorno and Valencia. In particular UPC will be responsible of Action 4.1 « *Coordination phase and results analysis, cross validation, networking and dissemination of experiences and skill acquired* ».

PARTNER n. 9

AICIA SEVILLA — SPAIN

AICIA is a non-profit research organisation born in 1980 as an initiative of a group of professors of the Seville Engineering School. AICIA comprises 29 working groups covering different fields of engineering, and during the recent years it has been very active in, among others, the field of transport and logistics, including city logistics and intermodality. The Mataari project represents an opportunity to carry out an assessment of intermodality in the Andalusian region from the point of view of small enterprises, through the analysis of the intermodal practices of a transport company and the subsequent modelling of the decision-making process.

PARTNER n. 10

CETE MEDITERRANEE — FRANCE

CETE is a technical research and engineering centre of the French Ministry of Public Works, Transport, Housing; Tourism and Sea. It is based in both Aix-en-Provence and Montpellier and counts on the participation of well over 100 staff members specialised in the transport field. The contribution of CETE to the MATAARI project includes sharing methodologies and recommendations for traffic and travel information portals derived from past experiences as well providing support to the local pilots managed by Armines/LG2IP and Illes Balears.

PARTNER n. 11

LIGURIA RICERCHE S.p.A. — ITALY

Liguria Ricerche S.p.A. develops a wide range of studies and projects specifically concerning harbours, maritime logistics and transports, and also the international co-ordination of various Interreg IIC/IIIB Medocc projects carried out on behalf of Regione Liguria since 1999.

In the framework of MATAARI and with the support of Regione Liguria, Liguria Ricerche S.p.A. is implementing a pilot project on industrial areas, concerning the «Accesses to intermodal operation areas within the City of Genoa, its Port and its surroundings».

The accesses are evaluated following two approaches. Firstly, a general overview of the overall accesses. Secondly, the research focuses on the sea-road inter-connections and the traffic congestion caused by heavy trucks and special transport lorries.

The aim is to make a proposal in order to improve the current situation, taking into account the results of a specific survey.