

Region-Enterprises
Forum on Logistics

Living labs
Laboratories
promoting
enterprises'
competitiveness





CORELOG

The CORELOG project, of which the Emilia-Romagna Region is the lead partner, was approved within the framework of European Community initiative INTERREG III B CADSES and it will last 25 months starting from September 2005. The countries involved in the project are Austria, Greece, Italy, Poland, Slovenia and Hungary. The project focuses on the development of public policies regarding logistics and freight transport, in order to boost the competitiveness of manufacturing companies and logistics and transport operators.



CADSES

The Interreg III B CADSES programme targets the cooperation area comprised between Central Europe and the Adriatic-Danube zone including Greece.



MATAARI

The project is being financed within the framework of European Community initiative Interreg III B MEDOCC and it focuses on the transport services and networks access issues in wide areas, in relation with the national and trans-European transport and logistics systems. For each area/region, the connections between urban or industrial traffic (goods or passengers) and transport nodes are also analysed. The Emilia-Romagna Region is the lead partner of the project, which involves France, Italy, Portugal and Spain.



MEDOCC

The Interreg III B MEDOCC Programme supports projects for the transnational cooperation between Western Mediterranean countries.

REGION-ENTERPRISES FORUM ON LOGISTICS LIVING LABS FOR ENTERPRISES' COMPETITIVENESS

REGION-ENTERPRISES FORUM ON LOGISTICS



The Region-Enterprises Forum on logistics was established in 2004, according to an initiative of the Regional Ministry of Mobility and Transport of Emilia-Romagna Region and is managed in collaboration with the Institute for Transport and Logistics Foundation (ITL). Its main focuses are on the research, the identification and the understanding of the logistics and transport needs requested by the regional companies. Moreover, it supports the development of projects (labs) aimed at strengthening the companies' competitiveness and limiting their environmental impact. More in detail, the Forum is committed to:

- Supporting the manufacturing and logistics companies' competitiveness through the development of innovative logistics solutions both in technological and organizational terms. This happens through the provision of the necessary tools, services and methods in order to change and improve their organization.
- Reducing the overall externalities and the transport environmental impact.
- Internalizing the companies' needs into the policy making process.
- Promoting public-private networks focused on logistics and competitiveness, notably between the Public Administration, universities, enterprises and relevant associations.
- Stimulating the regional logistics operators to innovate and to be at the service of the regional production systems.
- Promoting a strong logistics-related culture both at the regional and national level.
- Fostering the creation of a training system capable of satisfying the needs of the companies.

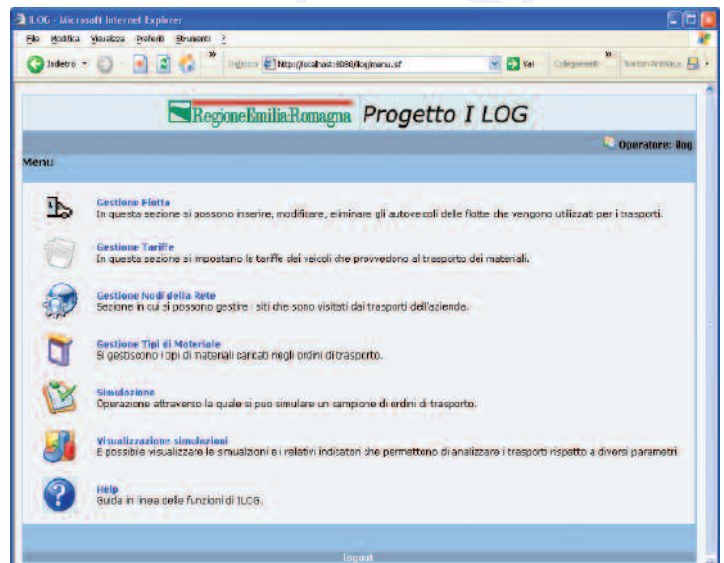
The Forum set up 12 local labs (Projects) which involve manufacturing, transport and logistics companies; in the near future, it will serve as an interface between the enterprises and the Regional Authority for the development of projects aimed at supporting the companies based in the region.

RATIONALISATION OF GOODS FLOWS BETWEEN MANUFACTURING COMPANIES AND THEIR SUPPLIERS/CONTRACTORS (REGGIO EMILIA)

The project focuses on the reorganization of the local mechanical enterprises' procurement flows at the local, regional and inter-regional level.

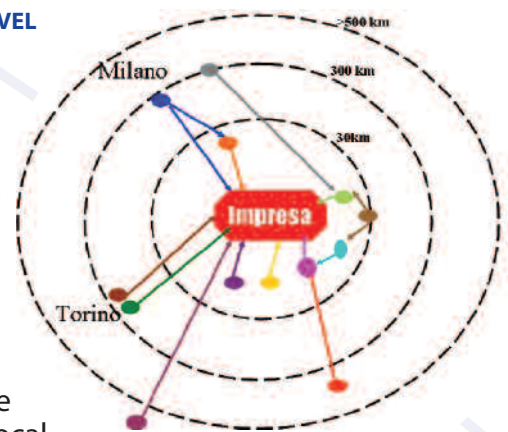
The main outputs include:

- Drawing up business plans aimed at reducing the number of trucks on the roads and the overall transport costs as well: full loaded trucks and smaller distances by routing optimization.
- Developing a specific simulation software capable of planning the enterprises' inbound flows, which has been tested and validated by the companies participating in the project.



FLOWS RATIONALIZATION BETWEEN COMPANIES AND THEIR SUPPLY NETWORK AT THE LOCAL AND REGIONAL LEVEL (REGGIO EMILIA)

The project focuses on the re-organization of the local and regional procurement flows of the mechanical industries in the Reggio Emilia local production system.



The main outputs include:

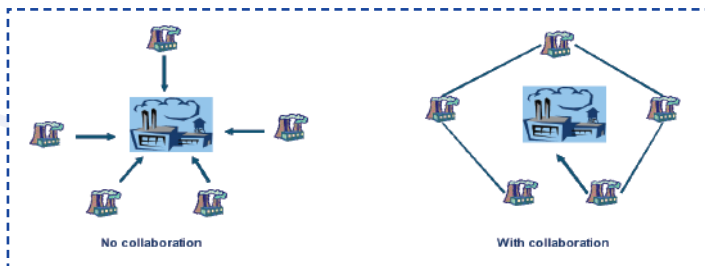
- Mapping the inbound flows and the logistics organization of the involved companies.
- Setting up plans for the optimization of goods flows at the local and regional level.
- Developing an application software for the procurement logistics planning.

“MILK-RUN” COLLECTING SYSTEM FOR EUROPEAN SUPPLIERS (BOLOGNA)

The project focuses on the experimentation of a system aimed at organizing the management of the pick-up of goods of suppliers from all over Europe to the Bologna area.

The main outputs include:

- A set of analytic procedures and methods for the procurement logistics organization, aimed at fully loading the trucks, optimizing the routes, reducing the number of trucks coming in and going out of the region, thus reducing costs for the companies;
- A set of indicators, which was tested on the field for some weeks, aimed at underscoring the savings that were achieved through the milk-run system implementation.

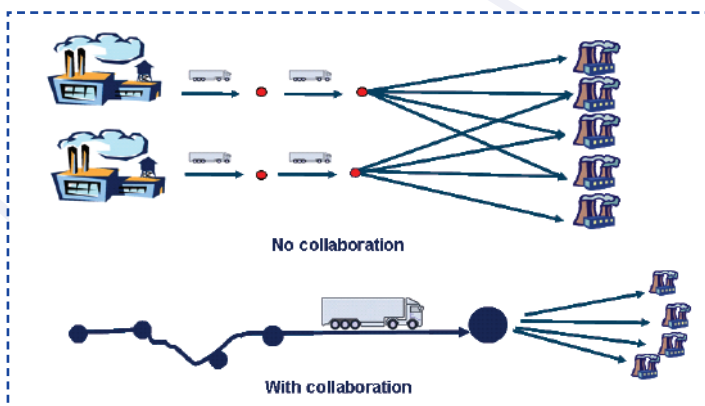


COORDINATED PURCHASE OF TRANSPORT AND LOGISTICS SERVICES BY PRODUCTION COMPANIES (BOLOGNA)

The project centres upon fostering the cooperation among enterprises located in the Bologna area, in order to purchase in a coordinated manner transport and logistics services and to plan transport flows from/to procurement/distribution areas which are in common between the involved companies.

The main outputs include:

- The definition of a common transportation costs benchmark between the engaged enterprises.
- The set up of a business plan for the logistics services' purchase and for the procurement and distribution services' joint management between different companies.
- The definition of a contract in order to set up a consortium of manufacturing companies and its relative preliminary test.
- Field testing of the joint planning and purchasing procedures.



COORDINATED LOGISTICS PLATFORM FOR THE MANAGEMENT OF THE MECHANICAL SMEs FLOWS (BOLOGNA)

The project focuses on the integration/aggregation of the logistics needs of mechanical SMEs of the Bologna area.



The main outputs include:

- The formulation of an economic plan for the cooperation between enterprises on their inbound flows management process, with the support of logistics operators.
- Planning a joint logistics service directed at various production companies, aimed at cutting costs, reducing truck circulation and increasing production efficiency.

RATIONALIZATION OF THE GOODS FLOWS FOR THOSE COMPANIES BASED IN INDUSTRIAL AREAS AND DEVELOPMENT OF SUPPLY SERVICES (PARMA)

The project focuses on the analysis of the cooperation potential for purchasing logistics services of the companies located in an industrial site in Parma.

The main outputs include:

- Outlining an economic and logistics plan for the cooperation between enterprises in the inbound flows management, with the collaboration of logistics operators.
- Developing a methodology designed for logistics cooperation between companies based in the same industrial site.

“A DISTRICT-LED LOGISTICS ENTERPRISE” (PARMA)

The project centres on the cooperation between companies which provide logistics and transportation services, and in particular, on the development of a transport and logistics SMEs consortium, in order to present to the market an integrated logistics supply.

The project aims at promoting the establishment of a

“district logistics enterprise”, able to meet the needs of local manufacturing SMEs. The consortium-like organization makes it possible to share transport resources and to integrate together the logistics companies which provide complementary services, in order to support their competitiveness.

The main outputs include:

- Setting up a consortium for the provision of logistics and transport services.
- Reducing costs for the participating companies through the sharing of purchases and route rationalization (less empty returns).
- An increase in the service supply in the search for new customers.

INDUSTRIAL SITES SETTLEMENT CRITERIA FOR THE COMPANIES, AS A BASIS FOR THE DEVELOPMENT OF RAIL-ROAD INTERMODALITY AND FOR THE LOGISTICS RATIONALIZATION (MODENA AND BOLOGNA)

The projects are currently focusing on:

- The identification of possible sharing of logistics services between companies already based in industrial sites
- The identification of logistics criteria, aimed at determining the right company mix composition, in order to reduce the traffic outbound level in their settling process. Companies which are integrated in the same production chain should thus be clustered in a given area in order to satisfy similar needs in terms of logistics (e.g. destinations, shipping modalities, etc.).

These projects are integrated with the Region’s guidelines for Ecologically Equipped Production Areas-APEA.

TRAINING IN LOGISTICS AND ENTERPRISES TRAINING NEEDS IDENTIFICATION (EMILIA-ROMAGNA REGION)

The issue of professional training is dealt with in the project in terms of definition of the skills required from the jobs in the logistics industry, as a basis for:

- Setting training standards in line with the needs of the production system;
- Creating a regional network for the cooperation between enterprises, public administrations and training agencies. The project focuses on the identification of priority training needs in logistics and goods transportation, based on the understanding of the already existing professional profiles/jobs and of the actual training needs expressed by the transport, logistic and production industries located in the region.

The main outputs include:

- Outlining the existing jobs in transport and logistics and defining the skills needed for each of them (18 logistics jobs in the mechanical/durable goods

industries, transport and logistics, distribution and consumables, health care industries).

- Surveying the demand for professional profiles and relevant training needs.
- Setting training standards, in terms of skills required of the different jobs.
- Organizing experimental training courses in crucial sectors and jobs.

ANALYSIS OF THE MACROECONOMIC IMPACT OF REGIONAL LOGISTICS POLICIES – MERLO PROJECT (EMILIA-ROMAGNA REGION)

The initiative is aimed at identifying technical and methodological tools (models), in order to support the macroeconomic assessment of the goods flows created by the regional manufacturing industries and in order to identify priority intervention areas on which to focus public policies.

In more detail, the current logistics inefficiencies and their improvement scope were highlighted, through the clustering of the various regional production sectors (enterprises classified by sector, dimension, staff, etc.) and through the analysis of quantitative data on the flows and logistics organization of sample companies.

PILOT PROJECT FOR THE ENGINEERING AND MECHATRONICS SECTORS IN PIACENZA AND ITS PROVINCE

The project aims at improving the logistics organization in the Piacenza area, in particular to:

- Identify and optimize the internal and external logistics activities;
- Optimize the routes, through IT simulations;
- Reduce the number of trucks circulating in the region;
- Establish links between manufacturing companies, in order to develop a production system which enables them to cooperate in the logistics management.

LOGISTICS PROCESSES OUTSOURCING AND OPTIMIZATION IN AN INDUSTRIAL SITE (FERRARA)

The project focuses on a group of manufacturing companies, in order to optimize the logistics and transport structure of each of them and in order to develop a joint outsourcing plan.

The main outputs include:

- An in-depth analysis of the logistics and transport structure and the proposal’s formulation for its improvement.
- Outlining an operational plan for logistics outsourcing which can be used by the participating companies.



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