Spanish Technology Platform in Logistics, Intermodality and Mobility

logistop

http://cordis.europa.eu/technology-platforms/home_en.html

*"A framework for stakeholders, **led by industry**, to define research and development priorities, timeframes and action plans on a number of strategically important issues where achieving future growth, competitiveness and sustainability objectives is dependent upon major research and technological advances in the medium to long term"*

✓ **Intersectorial** and **multidisciplinary** Technology Platform within the field of R&D and Innovation in Logistics.

✓ **Open** to the participation and incorporation of the actors interested in the field of Integral Logistics, Intermodality, Transportation and Mobility.

Objetives of Logistop (1):

✓ Finding out R&D needs and capacities of the sector detecting its deficiencies and defining a common strategy gathering all **members interests**.

✓ Acting as the **speaker with the public administration** to promote policies adapted to the defined strategy: Definition of National Plans for Scientific Research, Development and Technological Innovation and public calls for R&D&I.

✓ **Create and coordinate the critical mass of Science, Technology and Business System agents** encouraging collaboration between the public and private sectors in order to generate innovation through knowledge development and transfer to the business sector.

Objectives of Logistop (2):

✓ **Encouraging ambitious and high-impact R&D& project genesis.** Improving Spanish participation in R&D European Projects (FP7, CIP, etc.).

✓ **Strengthening the concepts of Logistics and Supply Chain**, the relevance of this economic activity and its opportunities.

✓ Supporting qualified human resources training, at all levels.

✓ **Promoting public policies in terms of mobility, intermodality and co-modality** according with the public administration (local, metropolitan, autonomic, national and European) competent in the areas of transportation and mobility.

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LOGISTOP:

- Recognized by the Ministry of Science and Innovation in November 2005.
- Officially launched in June 2006.
- There are more than 30 Technology Platforms in Spain in diverse sectors and Logistop is one of them.

- Promoters:

C:C-LOGISTICA
CENTRO NACIONAL DE COMPETENCIA EN LOGISTICA INTEGRAL

CENIT
CENTRE D'INNOVACIÓ DEL TRANSPORT

INSTITUTO TECNOLÓGICO DEL EMBALAJE, TRANSPORTE Y LOGÍSTICA
ITENE

CTL
Fundación Centro Tecnológico en Logística Integral de Cantabria

ZARAGOZA. LOGiSTiCS CenTer

www.cenit.es

www.itene.com

www.ctlcantabria.com

www.zlc.edu.es

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UNIÓN EUROPEA
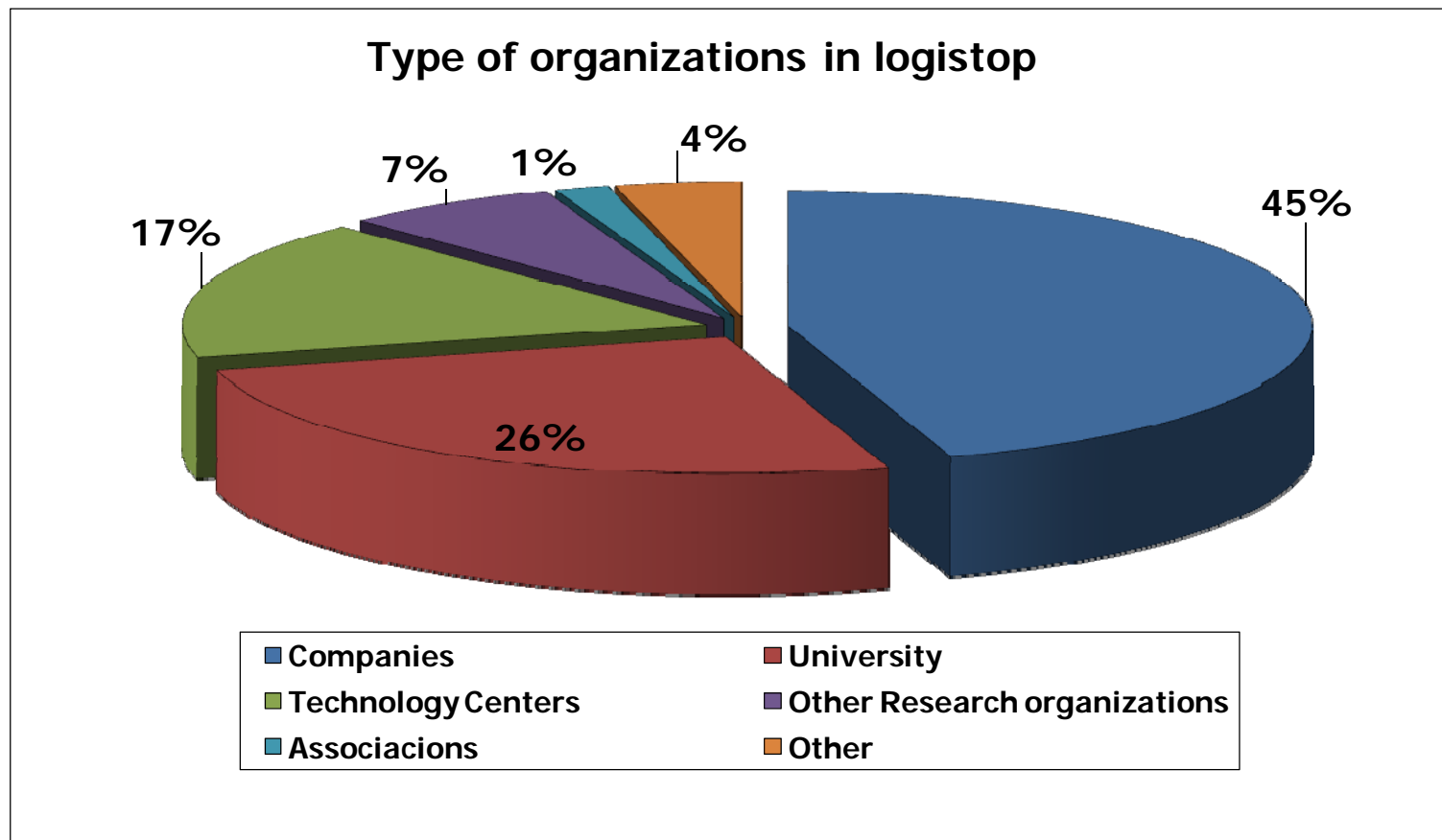FONDO EUROPEO DE DESARROLLO REGIONAL
UNA MANERA DE HACER EUROPA

❑ Logistop includes main stakeholders including:

❑ **Companies**: 3PLs, 4PLs, Retail, ICT, freight and passengers transportation in all modes, logistics infrastructure such us ports, airports and other freight terminals, manufactures and shippers, warehousing, packaging and handling.

❑ **RTD and Academia:** Universities, research and technology centers

❑ **Public administration** in R&D, transportation, mobility and cities.

620 members from 290 organizations

Type of organizations in logistop

- Companies
- University
- Technology Centers
- Other Research organizations
- Associacions
- Other

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1 Background

2 Structure

3 Status

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Governing Board

Consultative Group:
- R&D Funding Entities
- Technologic Platforms

Project Promotion Committee (CPP)

Technical Secretary
CNC-LOGISTICA

Scientific Technical Advisory Council

SUPPORT and ORIENTATION

Focused Groups

Project 1
Project 2

Project I

Project N

Work Group 1
- Focused Line 1
- Focused Line 2

Work Group 2

Work Group N

IDEAS

GENERAL ASSEMBLY

11

❏ Led by the **Industry.**

❏ **High level representatives.**

➢ <u>Activities:</u>

- Main decision making body

- Managing and defining the Platform strategy, its position and activities

- The committee approves the strategic deliverables: **Vision document 2020**, **Strategic Research Agenda** and other documents

Associations:

IT & Consultancy:

Research

Logistic Operators:

Retail:

Passenger Transportation:

Manufacturing:

- The Secretariat of the Platform is entrusted to the **National Center of Excellence in Logistics CNC-LOGISTICA**

CNC-LOGISTICA

It is a network of R&D Centers aiming to improve the competitiveness of Spanish Industry through multidisciplinary research in logistics

- The Secretariat is the responsible of the **general coordination** of the activities within Logistop.

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Objectives:

- **To dynamize and articulate the Platform's members** and develop specific actions to **enable the generation of project ideas** in different **work groups**.

- To channel these **ideas** to turn them into **proposals** that result in collaborative **R&D&I projects** between companies and research entities and universities.

- Improve **brokerage between technological offer and demand**
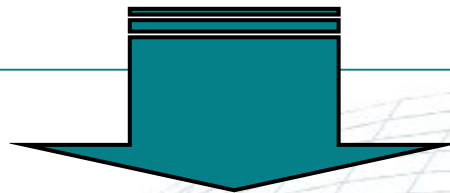
R&D&I PROJECTS DEVELOPMENT

Companies:

Associations:

Technological Centres:

Universities:

Other R&D Centres:

"Open forums for the **exchange of information and knowledge** *aiming at identifying and* **developing focus lines of interest for business** *and/or the* **public administrations** *with transport authority.*

*"***Analysis of the current situation and problems of that line***, as well as future challenges, and identification or R&D&I lines to be developed in order to achieve those challenges, and generation of* **specific R&D&I projects with Companies-Research Entities collaboration***, being this one of their main objectives"*

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Training:

• Training

Sustainability and Corporate Social Responsibility:

• Reverse Logistics

• Energy saving and efficiency and environment protection

Security, reliability and traceability :

•Security improvement in freight and passenger transport

•Track and control technology for elements in logistics environments

Supply Chain Collaboration:

• Collaboration, coordination and learning in the supply chain

• Information exchange between supply chain actors

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Modal freight transport:
- Road freight transport
- Air logistics
- Port logistics
- Rail logistics

Intermodality/Comodality:
- Modelling and optimizing intermodal transport
- ICT services for Intermodality
- Establish the physical relationship among different transport modes

Mobility:
- Urban and interurban passenger transport
- Citylogistics & Urban Freight Distribution

Sectorial Groups:
- Furniture Logistics*
- Food Chain Management. Joint group with TP Food For Life
- Cold Logistics
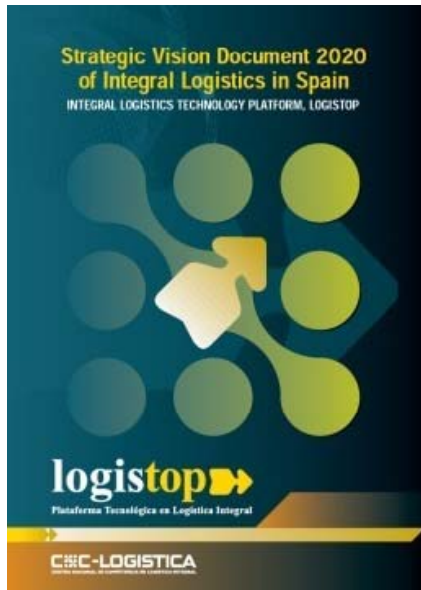- Health Logistics
- Military Logistics

1 Background

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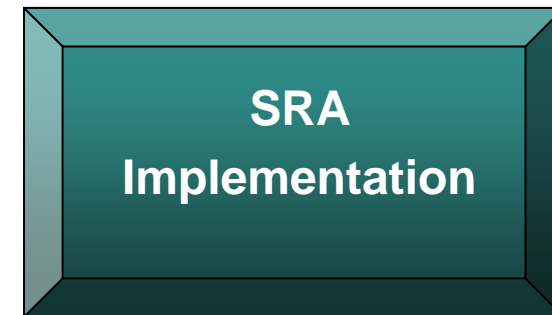**Vision 2020: 2007**   **SRA: 2008**   **Present and Future**

SRA Implementation

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Strategic Vision Document 2020 of Integral Logistics in Spain
INTEGRAL LOGISTICS TECHNOLOGY PLATFORM, LOGISTOP

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Plataforma Tecnológica en Logística Integral

C::C-LOGISTICA
CENTRO NACIONAL DE COMPETENCIA EN LOGISTICA INTEGRAL
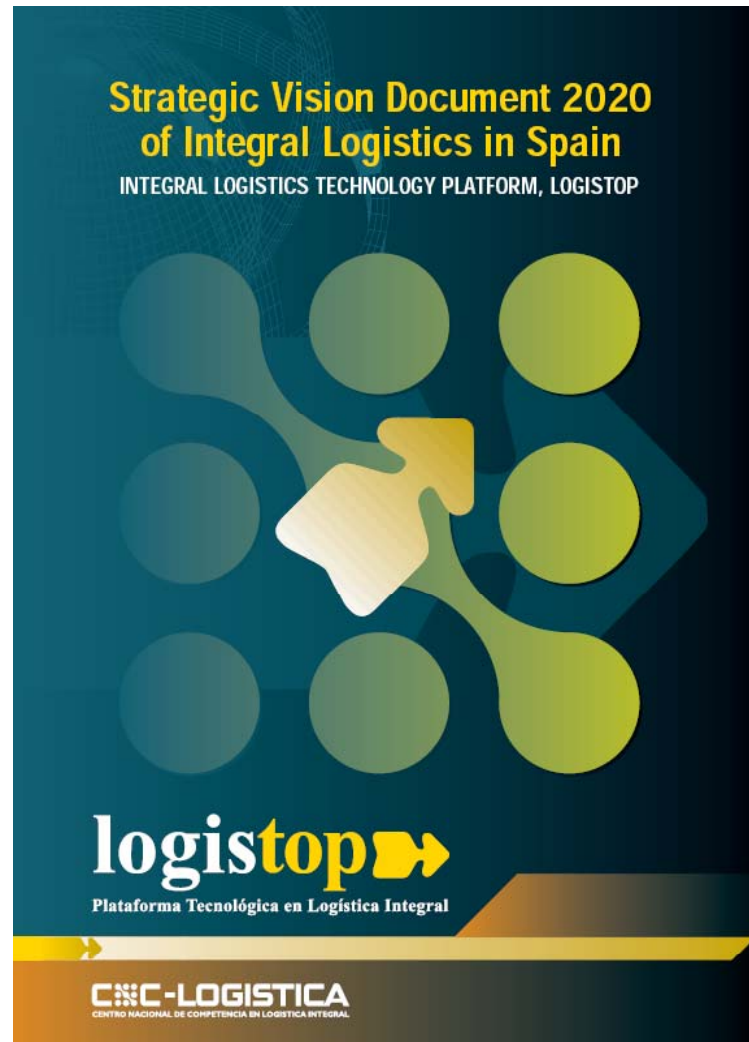
1. **Present Panorama of Integral Logistics**
   – **Introduction**
   – **Situation in Spain**
   – **SWOT analysis**
   – **Conclusions**
2. **Strategic Fields**
   – **Definition**
   – **Key Actions in each Strategic Field**
   – **Strategic Research Agenda**
3. **Conclusions**

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Strategic Field

1. Sustainability
2. Safety
3. Comodality/Intermodality
4. Collaboration
5. Promotion of R&D and Innovation
6. Technology
7. Training and Knowledge

It determines those practices and frameworks which should be worked on to promote logistics activity opportunities and develop a competitive industry while maintaining sustainable development

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- The **"Strategic Research Agenda (SRA) of Logistop"** describes the strategic research lines in order to achieve the situation described in the document **"Strategic Vision Document 2020 of Integral Logistics in Spain"**

- It compiles all the logistics **interests and needs from Logistop members**

- The SRA will be the Platform reference in its dialogue with the Government and other financing entities related with R&D and Innovation activities and projetcs

- **Structure of the System** → R&D Offer and Demand meet in a common path facilitating the collaboration among agents

Current work areas in Logistop:

- Implementation of the actions gathered in the Strategic Research Agenda through the support and implementation of R&D&I projects or initiatives.

- Growth and position of the Platform.

- R&D&I Results and knowledge transfer and dissemination to the industrial sector.

- Monitoring of the Logistop SRA implementation, indicators setting-up and documents review.

- Improve relationship with both national and international Platforms.

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