Contents

- About LOGISTAR
- Overall concept
- Work packages structure
- Partners and roles

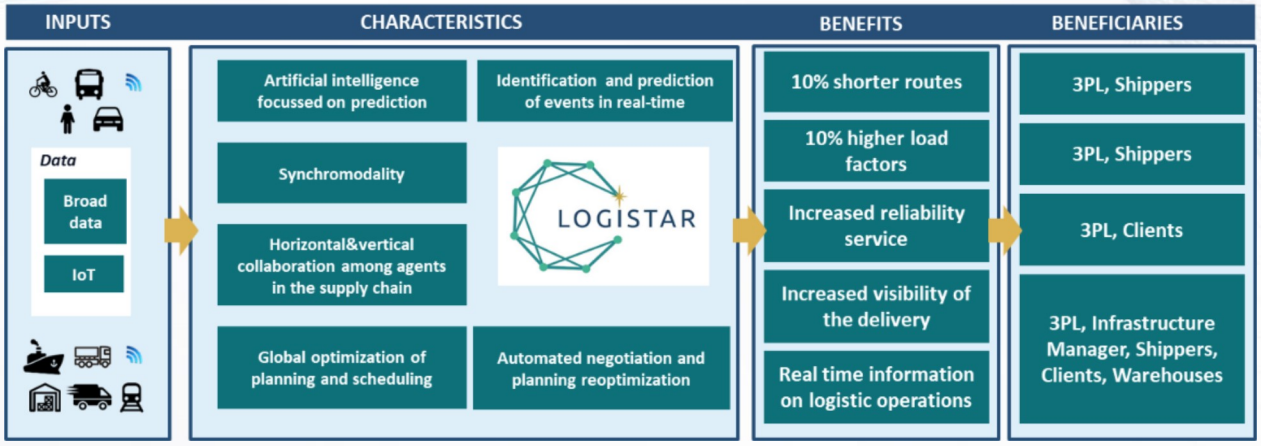
About LOGISTAR

- Executed by a consortium of **15 partners** at EU level, coordinated by the University of Deusto (Spain)
- Overall budget: **4.997.548,75 €**
- Duration: **36 months** (Starting June 2018)
- Project managed by INEA agency - Innovation and Networks Executive Agency (European Commission)
- Project funded by H2020:
  - Work programme: **Smart, green and integrated transport**
  - Call: MG-5.2-2017: **Innovative ICT solutions for future logistics operations**

LOGISTAR overall concept

- LOGISTAR aims to: allow **effective planning and optimizing of transport operations**
  - By taking advantage of **horizontal collaboration** and relying on the increasingly **real time available data** gathered
- A **real-time decision making tool** and a **real-time visualization tool** of freight transport will be developed
  - With the **purpose of delivering information and services** to the various agents involved in the supply chain

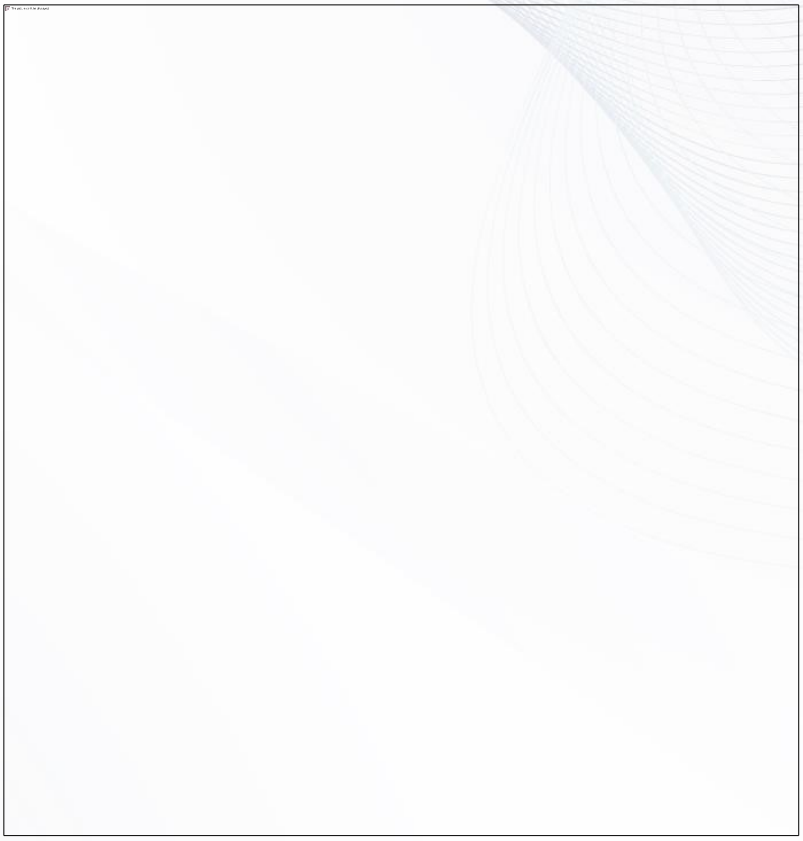
LOGISTAR overall concept



- ✓ **Increasing by 10% the load factors of freight vehicles:** optimization techniques
- ✓ **Shortening by 10% the delivery routes** by relying on synchromodality
- ✓ **Increasing the reliability and efficiency of services:** predicting events and incidents.
- ✓ **Facilitating the management of logistic operations:** providing dashboards and showing alerts or recommendations.
- ✓ **Increasing the visibility of the delivery** derived from the use of sensors to monitor the goods shipped and boosting data sharing

LOGISTAR overall concept

- To **leverage the available data**, to process it and **to deliver services**
  - Data will be retrieved and harmonized
  - Sensors will be connected to a cloud IoT platform
- Information used by **smart algorithms to**
  - Predictions
  - Learning the preferences of the different participants
  - Optimization of the planning of operations
  - Automated negotiation and re-optimization
- **Real-time dashboards** which will provide an overview to managers of what is happening



Services

CONTROL AND DECISION-MAKING TOOL

- Integral visibility and planning of resources
- Planning of dynamic routing

→

- Optimized planning of resources
- Optimal routes for deliveries
- Identification of events
- Dynamic planning reconfiguration
- Horizontal/vertical collaboration
- Synchromodality management

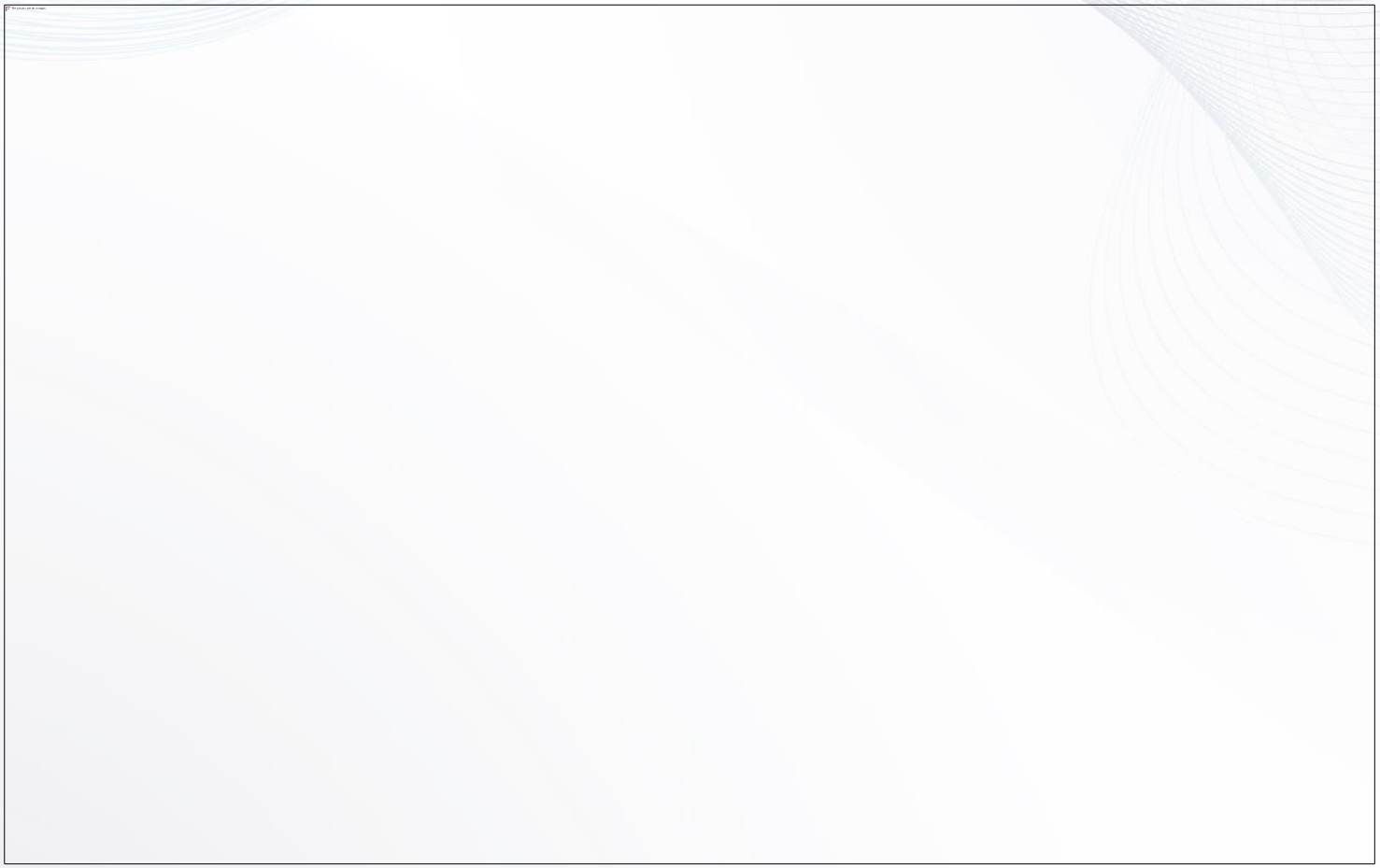
REAL-TIME INFORMATION ON FREIGHT TRANSPORT

→

KPIs of real time logistics

- *Position of goods*
- *Operational status*
- *Working conditions*
- *Arrival times*
- *Environmental conditions*

Work packages structure



Partners and roles

DeustoTech Mobility	Project Coordinator Global optimization planning techniques	dbh Logistics IT AG	Implementation and integration of services
Insight UCC University College Cork, Ireland	Artificial Intelligence techniques focused on prediction	GENEGIS GI Geographical Intelligence	Geo-special oriented software solutions
	Automated negotiation algorithms		Testing and validation – Real time logistics in chemical industries use case
DUNAV NET	Cloud IoT data		Testing and validation – Synchromodality use case Dissemination activities
SEMANTIC WEB COMPANY	Data gathering and harmonization	Nestlé	Testing and validation – Backhauling and co-loading use case
	End-users engagement	pladis	Testing and validation – Backhauling and co-loading use case
MDS Transmodal	New and emerging business models assessment		Testing and validation – Synchromodality use case
software AG	Predictive analysis and processing of real-time data		

Contact details

www.logistar-project.eu

LOGISTAR project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769142.