Name of the Organisation | PACKAGING TRANSPORT AND LOGISTICS RESEARCH INSTITUTE
---|---
Organisation Short Name | ITENE
Organisation Type | ☑ Private ☑ Non-profit ☑ Research ☑ SME
Country | Spain

**Fields of Activity**

ITENE is a Research Institute constituted in 1994 as a private non-profit Research centre integrated with businesses, entities and institutions related to Packaging, Transport and Logistics. Our mission consists of improving business competitiveness through the promotion of research, development, innovation and advanced technological services.

The activities carried out at ITENE can be divided into three main lines:

1. **Project Development R+D+i.** Our scope of action is regional, national and international offering support to the packaging, transport and logistics sectors through three large lines of technology: Packaging technology, Transport and Logistics and Information and communication technologies

2. ** Provision of Technological Services

3. **Promotion and Diffusion of Technology

**Skills and Expertise Offered**

Our research activities are focused on packaging, transport and logistics areas:

* ITENE’s *Research and Innovation lines in transport and logistics:*
  - Goods Transportation Safety.
  - Optimisation of systems and modes of transport. Intermodal transport.
  - Optimisation of logistics systems for merchandise.
  - Traceability, localisation and follow-up of goods within the logistics chain.
  - Development of systems for product traceability with radio-frequency tags (RFID tags) in order to control the different physical variables of the product.
  - Modelling of transport systems.
  - Collective transport.
  - Transport and the environment.
Intelligent transport systems.
Urban transport.
Logistics systems
Energy and transport
Economy of transport
Transport networks
Supply planning and management.
Physical design of warehouses. Stock management.
Orders and distribution management.
Transport mode management
Optimisation of distribution centres. Optimisation of routes.
Logistics consultancy within the company.
Consultancy and setting up of Integrated Management Systems (ERPs), for all kinds of companies in any sector or specifically for companies involved in Transport and Distribution.
Advice and setting up of Informative Management Modules for specific areas within companies such as: Warehouse management, Document management, etc.
Analysis, setting up and redesign for improvements in company processes in order to increase competitiveness and the focus on company process management.
Technological vigilance, Diagnosis, Demonstration and Setting up of transport fleet management systems.
Management of transport fleet maintenance.

**Keywords**

- THEME 2.- Food, Agriculture and Fisheries, and Biotechnology
- THEME 3.- Information and Communication technologies
- THEME 4.- Nanosciences, Nanotechnologies, New materials and New production technologies NMP
- THEME 5.- Energy
- THEME 6.- Environment (including Climate change)
- THEME 7.- Transport (including Aeronautics)
- THEME 10.- Security

**Previous FP Projects Participated**

- **FINANCED BY COMMISSION** European Projects within VI FP and VII FP, as a partner and as a coordinator:
  - **SUSTAINPACK:** Innovation and Sustainable Development in the Fibre Based Packaging Value Chain. (VI FP NMP)
  - **BESTLOG: LOGISTICS BEST PRACTICE:** Design of a quality system and benchmarking methodology to improve the logistics efficiency and performance. (VI FP “Sustainable development, global change and ecosystems”)
  - **CHILL-ON:** Developing and integrating novel technologies to
**R&D Profile Form**

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
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<tbody>
<tr>
<td>NAFISPACK</td>
<td>Natural Antimicrobials For Innovative and Safe Packaging, where ITENE is the <strong>coordinator</strong>. (VII FP FOOD)</td>
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<tr>
<td>SUSTAINCOMP</td>
<td>Development of Sustainable Composite Materials (VII FP NMP)</td>
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<tr>
<td>REBIOFOAM</td>
<td>Development of a flexible and energy-efficient pressurized microwave heating process to produce 3D-shaped Renewable BIO-polymer FOAMs for a novel generation of transportation packaging. (VII FP NMP)</td>
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<tr>
<td>SORT-IT</td>
<td>Recovered paper sorting with innovative technologies. (VII FP ENVIRONMENT)</td>
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<tr>
<td>U-STIR</td>
<td>User Driven Stimulation of Radical New Technological Steps in Surface Transport. (VII FP TRANSPORT)</td>
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<tr>
<td>BOOSTEPP</td>
<td>Boosting raw material and energy efficiency using advanced sheet structure design and fibre modifications (VII FP NMP)</td>
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<td>LCA to go</td>
<td>Boosting Life Cycle Assessment Use in European Small and Medium-sized Enterprises: Serving Needs of Innovative Key Sectors with Smart Methods and Tools (VII FP ENV)</td>
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<tr>
<td>TRAYSRENEW</td>
<td>Development of innovative renewable trays for poultry products, based on biopolymers and bast fibers (VII FP SME)</td>
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<tr>
<td>BESTFACT</td>
<td>Best Practice Factory for Freight Transport (VII FP TRANSPORT)</td>
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**Topic(s) Interested**

- SST.2011.2.1-1. Efficient interfaces between transport modes
- SST.2011.5.2-5. A system approach for railway operations management to increase capacity and decrease delays for railway customers’ satisfaction
- GC.SST.2011.7-4. Urban – interurban shipments
- GC.SST.2011.7-5. Integrated intermodal traveller services
- GC.SST.2011.7-6. Capability of improving and exploiting
- GC.SST.2011.7-11. E-freight solutions and supply chain management
- TPT.2011.2-1. Integration of passenger transport modes and travel information services through the analysis of social behaviour, mobility patterns and business models as basis for the decarbonisation of the European transport system
- CIVITAS Plus II call for proposals (FP7, Transport theme)
- CIVITAS CATALYST.
- FoF-ICT-2011.7.1 Smart Factories: energy-aware, agile manufacturing and customisation
- FoF-ICT-2011.7.3 Virtual Factories and enterprises.
## Contact Person

<table>
<thead>
<tr>
<th>Position in the Organisation</th>
<th>Susana Álvarez Machirant (Head of International Division)</th>
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<tbody>
<tr>
<td></td>
<td>Rocío García Molina (International Division)</td>
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<td></td>
<td>Óscar Ruiz Huertas (International Division)</td>
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<td>Andrea Tortajada (International Division)</td>
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</table>

### Position in the Organisation
- Project Manager

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