

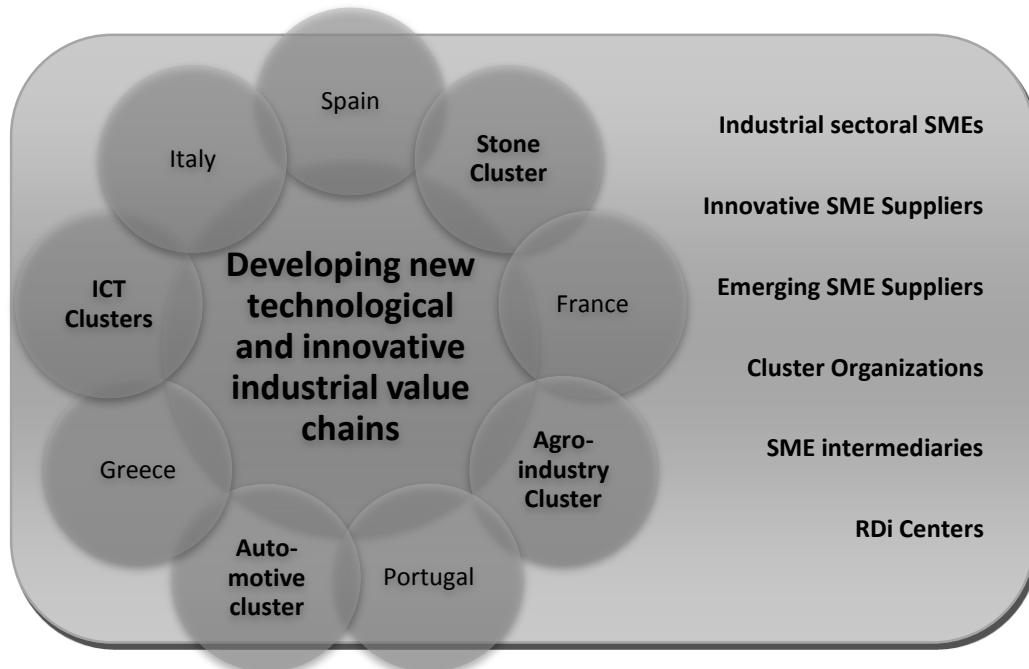
PROJECT: TECHNOLOGY BASED BUSINESS FOR LEAN: INNOVATIVE VALUE CHAINS IN MATURE SECTORS.

CALL: INNOSUP-1

1. LEAN VALUE CHAINS (LVC).

LVC Project: Creating new value chains based on new technologies for the optimization of logistics processes (Lean methodologies) in mature sectors.

Encouraging entrepreneurship of technology based companies capable of developing cross methodologies for implementing improvements in production processes and logistics in the European industry.



2. LVC PROJECT AND H2020

Elaborated to achieve most of the considerations and challenges of the H2020 UE global strategy.

2.1. Highlights

- New value chains based in innovate process and new technological solutions.
- Lean Logistics.
- Development of new opportunities for Technology Based Business.
- Promote and position to top and sustainable the European industry.
- Cross-sectoral collaboration.
- Industrial Efficiency.
- Improve Quality excellence
- Consume less resources. Reduce of environmental impacts from industrial production.
- Creating and consolidating technology-based companies.
- Strategic sectors.
- Promotion of entrepreneurship.
- Contribution to the spread of knowledge based firms and employment.

2.2. Expected impacts

- Boost entrepreneurship and development of innovative enterprises (start-ups ...) opening the door of the industrial sector.
- Modernization of traditional European industry.
- Job creation based on knowledge and reducing resource's requirements

3. LVC PROJECT DETAILS AND MAIN STAGES

Create a space analysis of industrial processes in mature sectors AGRO-INDUSTRY, NATURAL STONE and AUTOMOTIVE to detect logistic optimization opportunities through the development and implementation of new technology-based systems for lean logistics.

The use of three mature sectors with a sufficiently similar and sufficiently differentiated industrial base enables the analysis of transverse opportunities for the creation of new supply chains that provide technology-based services that meet common needs. These common needs will be identified in the common work and developed by ICT and Logistics industry and clusters.

The new value chains should be based on: ICT, Automation, Industrial Consulting,, etc and result in thinning and removal processes (or improvement) of inefficient systems.

Conjugate creativity of innovative technology companies with the operating mode of mature industries operating on the basis of a widespread and accepted standards but where recent development innovations (wi-fi, 4G technology, big data...) have not been sufficiently implemented.

Promote the creation of new services and businesses (new supply chains) that solve problems, implement improvements, automate processes, etc favoring the industry. Encourage the growth of technology-based companies and companies providing innovative solutions to industrial needs.

Run demonstrators shares in the three industries by introducing participants in their field of technology-based companies.

Review of standardized since before the tech boom (4G technology, computer vision, wi-fi...) in the industry by experts who can create adaptable services to different traditional value chains, creating new value chains procedures.

What is Lean Logistics

Lean is a management model focused on the creation of flow order to deliver maximum value to customers, using the minimum resources: i.e., adjusted.

The creation of workflow focuses on the reduction of the eight types of waste in manufactured products:

1. Overproduction
2. Waiting time
3. Transport
4. Excess processing
5. Inventory
6. Movements
7. Defects
8. Underutilized human potential

Eliminating waste, improving quality and reducing production time and cost. Lean tools include continuous processes of analysis (so-called kaizen in Japanese), pull production ('deterrent and incentive', within the meaning of the Japanese word kanban), and elements and 'bug proof' processes (poka yoke, in Japanese).

Most innovative aspect of Lean Management in this project is the demonstration, consolidation and transfer of the results of the application of this methodology to industry management and production

processes together with the support of information technologies and new technological developments emerging into the European industry.

LIVIN LEAN LAB: International virtual space for the demonstration of methodologies and technological solutions aimed at the improvement of processes as well as training and building capacities in participant SME's staff.

**Demonstration of the application
of best practices in process
improvement (Lean) in mature
sectors**

**Development of comprehensive
ICT tool for controlling indexes of
competitiveness productivity
profitability consumption costs ...**

**LVC project main
stages**

**Technical demonstrations of the
application of ICT and new
industrial technologies of
optimization and production
improvement**

**Education and training
workshops to get appropriate
excellence management skills in
mature sectors**