

## **THE PROVET 4.0 PROJECT**

The PROVET4.0 project, funded by the EU's Lifelong Learning Programme aims to increase labour market relevance of VET by offering an innovative and job-oriented vocational training **curriculum** which allows qualify VET learners and workers on cloud computing, big data, additive manufacturing, collaborative robotics, cyber-physical systems and augmented reality. The project started in November, 2015 and will run until 31st of October 2017 in a coordinated way among Spain, France and Italy.

## **AIMS OF SECOND PROJECT MEETING**

Our second project meeting held in Clermont Ferrand, France on the 3rd and 4th of may 2016. At the meeting, the representatives of all partner organizations (Spain, France and Italy) discussed about the results of analysis carried out with companies on current and future capabilities requirements of KETs in Advanced manufacturing and planned the next step: the development of the training program and training material.



## **SUMMARY OF THE EXPLORATORY STUDY RESULTS**

The aim of this study is to analyze the current and future capabilities requirements of KETs in Advanced manufacturing. A questionnaire was designed to evaluate the impact and trends of KETs in for Advanced manufacturing in additive manufacturing, collaborative robotics, cyber-physical systems, augmented reality, cloud computing and big data.

32 Companies, mainly SMEs from Basque Country (ES), Auvergne-Rhône-Alpes (FR), Veneto (IT) participated in the research. One important conclusion is that most of the companies applied additive manufacturing whereas augmented reality is uncommon. (Q2)

Moreover, the attempted benefit for companies with industry 4.0 is principally based on greater customer focus, more customer specific adapta-

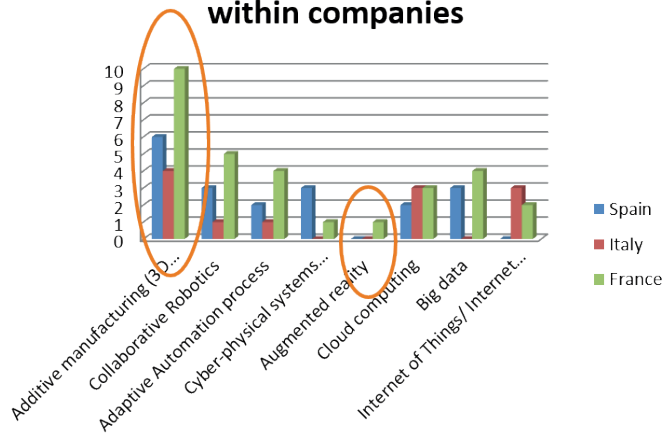
tion, increased efficiency and smart data gathering. (Q9)

General conclusions of the exploratory study are:

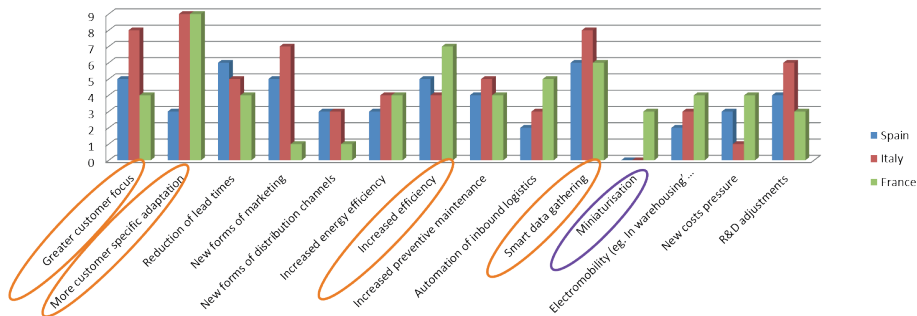
- More than the half of the companies are implementing Industry 4.0 related activities only partially or not at all.
- Suppliers are more active than final manufacturers. As competition is on costs either the company increase the volume of production either the production's cost shall decrease.
- Impact /planning of Industry 4.0 is dimension dependent. The bigger the company, the higher the automation efforts.
- Industry 4.0 related concepts and language are not yet standardized nor widespread. In some cases, it is perceived as digitalisation, others perceive it as the impact of automation.

- The Industry 4.0 “buzz” is slowing down after the initial hype

## Q.2 Tools / technologies applied within companies



## Q.9 Which trends will be connected to Industry 4.0? (more than one answer allowed)



## DEVELOPMENT OF THE TRAINING MATERIAL

**Provet 4.0 curricula** will integrate **6 COURSES** (cloud computing, big data, additive manufacturing, collaborative robotics, cyber-physical systems and augmented reality); 96 hours of total training. Each course will be composed of 8h elearning (OER, self-learning mode) and 8h face to face (classroom, companies, workshops...).

The Provet 4.0 learning platform will be tested internally (among the partners) and externally, through round tables / workshops with experts from industrial companies and VET centers. Moreover the courses will be tested by 90 end users.

## WHAT'S NEXT?

We are now gearing up for our next project meeting in **Mestre**, Italy in January 2017. This meeting will allow us to review and finalize the 6 courses.

Our website: <http://provet40.eu>

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