# Digital Services towards Industry 4.0

*Partnerships for Industrial Modernisation*
*- First New –*
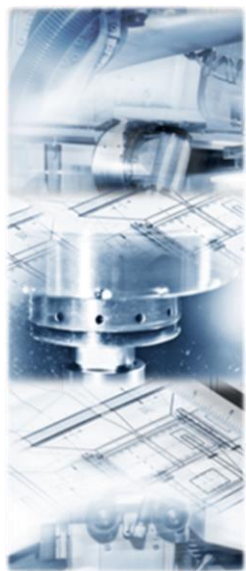
*Silvia Castellvi*
*Innovation Business Manager. Industry 4.0*
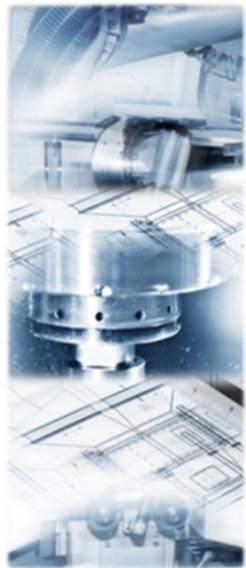*i2CAT*
*silvia.castellvi@i2cat.net*
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ACCIÓ · Generalitat de Catalunya

**Digital Services towards Industry 4.0**:

Aims is explore how to create a pan-European Innovation Ecosystem on Industry 4.0 that needs new infrastructures (like the Catalan Ring 4.0) and High Performance Computing facilities and which is the role of policy makers as facilitators; in particular the introduction of the STIMULI project (http://www.stimuli.cat/) where the creation of a HPC catalan Hub has been defined.

# Catalan region flagship projects towards Industry4.0

**STIMULI**

HPC DIGITAL
INNOVATION
HUB

**PLATAFORMA INDUSTRIAL 4.0**

DIGITAL
SERVICES
MARKETPLACE

**Anella Industrial.cat**

INNOVATION
ECOSYSTEM
INDUSTRY 4.0

# National strategic projects
## Industrial Ring Association

The Industrial Ring provides a private network that **interconnects** its members and also has the objective to help its members undertake **Industry 4.0 initiatives through Platform PI4.0**
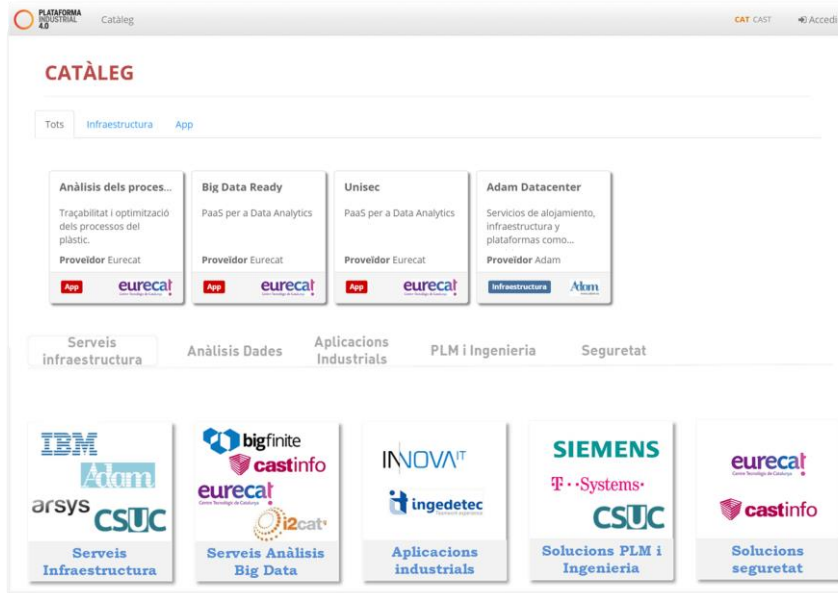
## Core Members

**54 MEMBERS:**

**35 COMPANIES,**
**14 RESEARCH CENTERS**
**5 CONNECTED SPACES**

# National strategic project
## Industrial Platform 4.0

Platform Industry 4.0 is a cloud platform for the industry it is developed by regional technological centres (EURECAT & i2CAT) and industrial network with the support of Catalonia regional government.

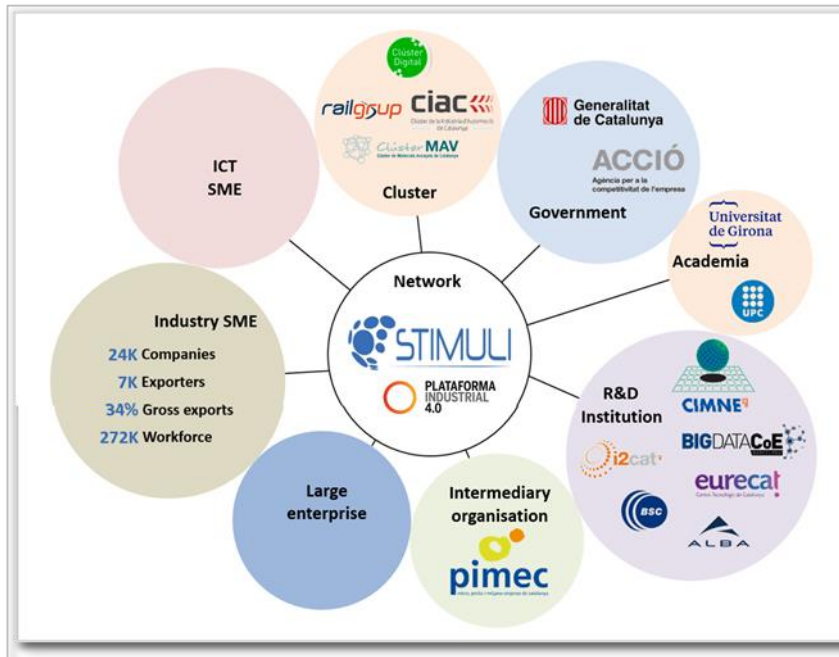More information about the Cloud Platform in http://plataformai40.com/



**PLATFORM PI4.0 THE CLOUD PLATFORM FOR THE INDUSTRY**

PI4.0 is a safe, stable and accessible framework for the exchange of cloud-IT services in Catalonia. Developed by regional technological centers and industrial network with the objective of giving a global solution for the expansion of the Industrial Internet.

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Barcelona, 16th November 2016
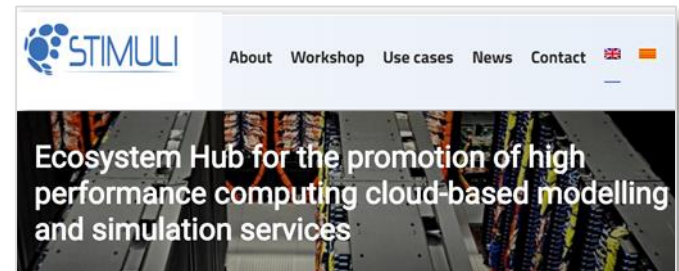
DIGITAL INNOVATION HUB

In Catalonia there is a need of a regional figure to centralise and facilitate the use of HPC cloud-based simulation and modelling services among the manufacturing industry in order to boost the Catalan manufacturing competitiveness and focus towards the Industry 4.0..
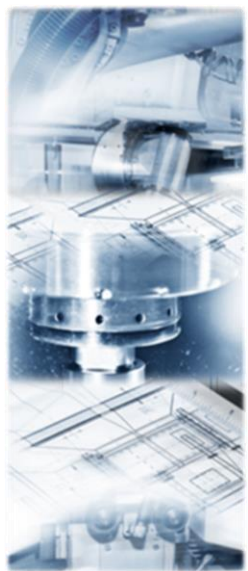


More information http://www.stimuli.cat//



Ecosystem Hub for the promotion of high performance computing cloud-based modelling and simulation services

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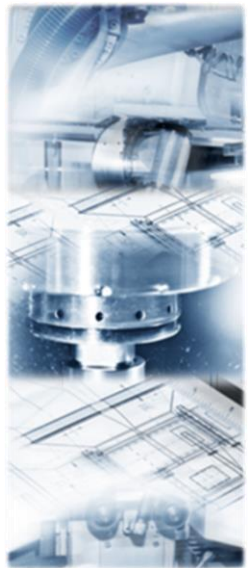# Digital services project definition for partnership

- Which services?
- Which regional projects do you have?
- Which strategic sectors have in your región?

*To be completed.*

# European Digital Innovation Hub. Industry 4.0

**DIGITAL INNOVATION HUB**

*Organized to provide services to industry*

*Governance by research and industry with support of regional government.*



Source: i4MS

*Ecosystem development*

Creator of awareness on digitalization in their region
Create an ecosystem
Dissemination & awareness
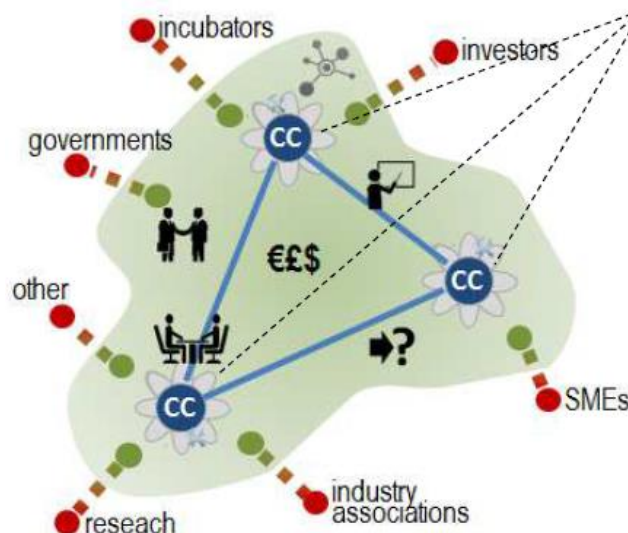Activities of training and links to educational institutions

*Support of business development*

Business oriented expertise to support industry
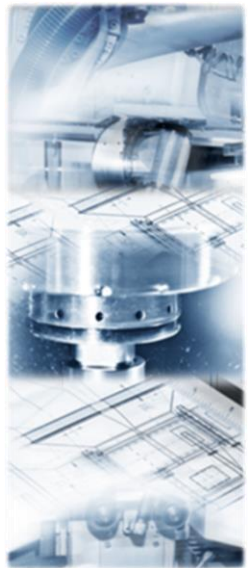Brokerage: Digital Marketplace, Focus on digitalisation and SMEs/MidCaps
Consultant to SMEs how to commercially apply digitization innovations
Providing technological infrastructure: pilots production infrastructures, laboratories, demonstration & validation

# THANK YOU FOR YOUR PARTICIPATION

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