



Innovation Growth Lab Global Conference 2017

by **nesta**

13-14 June 2017
Barcelona

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In partnership with:

Ewing Marion
KAUFFMAN
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ACCIÓ
Generalitat de Catalunya
Government of Catalonia

 Australian Government
Department of Industry,
Innovation and Science

 **FFG**
Austrian
Research Promotion Agency

Innovate UK
Technology Strategy Board

 Innovation
Norway

 Scottish Enterprise

Tekes

 Department for
Business, Energy
& Industrial Strategy



Industria 4.0
ASTURIAS

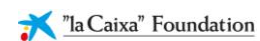
INDUSTRY 4.0 and the challenge of digitalization in Asturias



Innovation Growth Lab
Global Conference 2017



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1. Introduction: INDUSTRY 4.0 #laAsturiasproductiva
2. Open Innovation 4.0 Program

1. Introduction: INDUSTRY 4.0 #laAsturiasproductiva IDEPA strategy for the INDUSTRY 4.0:



1) AWARENESS RAISING

First step in the strategy is knowing where we want to be and how to get there. Industry 4.0 is a new paradigm for the industry based on **existing technologies (not future)**.

Companies must know them and IDEPA is helping with this, among other stakeholders as the Spanish Ministry, sectorial clusters ...

e.g: [I4.0 dissemination seminars by Centros SAT](#)

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2) COOPERATION

IDEPA is promoting cooperation among stakeholders in order to build a network of companies offering I 4.0 products and services and companies adopting solutions based on them. The scenario is complex, therefore a collaborative approach is crucial to be successful.

INDUSTRY 4.0 in Asturias is formed by companies interested in increasing their productivity through a new digitization paradigm, as well as by the companies considered as “Habilitadoras” Knowing how to use the enabling technologies 4.0

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3) SUPPORTING ACTIONS

IDEPA is helping companies to develop I 4.0 projects through several programs for conceding grants including the Open Innovation program that is going to be presented afterwards

In addition IDEPA offers to companies its expertise and network of contacts in order to generate connections and build projects (e.g CEEI, Enterprise Europe Network, EURADA,)

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4) EDUCATION & TRAINING

IDEPA has not competencies in these fields, however we believe it is important to integrate the INDUSTRY 4.0 technologies in the studies plan from vocational training to university degree.

Intiatives in Asturias:

-Master I4.0 University of Oviedo

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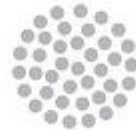
- Real cases...
- ✓ **Connected products:** Cars, watches, appliances, clothes,..
- ✓ **Customized products:** Fabricated under concrete specifications. (e.g in Asturias: welding robot for huge pressure vessel manufacturing)
- ✓ **Connected processes:** Real-time tracking, traceability, machine monitoring, alarms ..., (e.g in Asturias: cyberphysical system that puts Augmented Reality into several electronic devices for the monitoring and control of process industries)
- ✓ **Pick the best choice:** Go deeper in the relationships of our processes (Big Data tools), (e.g. in Asturias PROTEUS PROJECT)
- ✓ **New models of production:** 3D printing and collaborative robotics, the interaction of robots with people
- ✓ **New business models:** Based on the application of these new technologies (e.g in Asturias: additive manufacturing for biomedical implants)



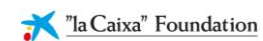
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- Gathering all the stake-holders involved...



indra



1. Introduction: INDUSTRY 4.0 #laAsturiasproductiva



- Meeting the objectives...
- Contributing to the digitalization of the regional industry
- Speeding-up the growth of new technology based firms and startups with enabling technologies
- Generating new ways of business collaboration: **OPEN INNOVATION**
- Closing the circle: New public policy to facilitate the change.

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- Meeting the objectives... HOW???

OPEN INNOVATION 4.0 PROGRAM

2. Open Innovation 4.0 Program



- **Meeting POINT:** Public / private collaboration initiative.
- **Mutual Benefit:** Improving digital capabilities of industry and acceleration and traction of innovative young companies to the market through an Open innovation program in the field of Industry 4.0.
- Leading companies: **TECH -CHALLENGUES**



2. Open Innovation 4.0 Program



Stages:

- 1. Call for proposals:** Open call for entrepreneurs / startups proposing solutions according to the CHALLENGES.
- 2. Phase 1:** Each tractor company selects 1 solution. All selected solutions take part in an acceleration program of Industry 4.0 for the preparation and definition of the project
- 3. Phase 2:** Implementation / Demonstration. Public call for financing (IDEPA)

2. Open Innovation 4.0 Program



Call for proposals

Applicants:

- Researchers
- Entrepreneurs
- Start-ups and young innovative and/or technology based companies established after 01/01/2012

2. Open Innovation 4.0 Program



Call for proposals

- Types of participation: **Individual / Partnership**
- In case of consortium, all the companies participating must be eligible
- **No geographical limitation:** Regional / National / International
- Researchers / Entrepreneurs: **Clear business focus**

2. Open Innovation 4.0 Program

Phase 1



- Negotiation of the **key aspects** for the implementation
- Access to **acceleration program** managed by the CEEI Asturias.
- **Mentoring**: IDEPA/CEEI and external experts in the areas of work and business
- **Incubation** during the development of the project
- Financial **contribution of 2,000 euros** from the tractor company

2. Open Innovation 4.0 Program



Phase 2

- **Financing support** - IDEPA: 2nd half 2017, estimated project execution 1 year
- **Collaborative project**: Sharing risks. Budget estimated up to 60.000 €. Return depending on the size of the companies (Small companies or large company)
- Facing technological challenges: **Open to new applicants**
- The company **MUST** be **established in Asturias** to apply for the call
- **Implementation** of the technologies, services and products developed by the company to obtain the validation of the solution
- Possibility of accessing **additional financing** for the continuity of the business project



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THANK YOU VERY MUCH FOR YOUR ATTENTION,
Eva Pando, Managing Director of IDEPA



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