



UNIVERSITIES OF THE FUTURE

COLLABORATIVE DIGITAL SHIFT TOWARDS A NEW
FRAMEWORK FOR INDUSTRY AND EDUCATION

NEWSLETTER | 1st Edition | October 2018



Participatory Approach, what is it?

UoF is built on a collaborative methodology between the quadruple helix, divided in 5 main steps:

- 1) Laying the foundations
- 2) Engaging key players and co-creating a sound collaborative strategy
- 3) Co-developing, testing and validating an array of innovative, up-to-date and attractive educational resources
- 4) Creating and deploying a set of innovative and valuable resources and guiding tools addressed to key players
- 5) Building and animating a virtual teaching and learning factory.

Get to know our results!

The consortium will develop a set of outputs aiming to establish the foundations for Industry 4.0. The quadruple helix, composed by Higher Education Institutions, Industry, Students/ Alumni and Public Bodies will work together to deliver the best results to all players interested in Industry 4.0 and the changes created by this digital transformation.

The constant transformation of work – the nature of the tasks we do and how work itself is organized – requires all stakeholders in societies to adapt. That is why UoF was created, to support people in this change. We will do it by developing:

- A body of knowledge on Industry 4.0, as well as a blueprint for players interested in shifting their skills;
- Educational resources on Industry 4.0 for bachelor and masters' students;
- Short courses for employees who want to develop their competences on Industry 4.0;
- A joint post-graduation course for workers to accelerate the digital transformation in their company;
- Step-by-step guides and resources for educators and trainers, as well as decision making bodies, interested in shaping the Industry 4.0 paradigm;
- A virtual teaching and learning factory for Industry 4.0 for all stakeholders.



The Partnership, who's in?

Four different types of partners take part in the consortium:

- Higher Education Institutions: Porto Design Factory, Aalto University and Politechnika Warszawska;
- Companies: IKEA Industry Portugal, Consair and Willson&Brown;
- Public Bodies: Agência Nacional de Inovação, Tekniikan Akateemiset RY and Polska Komisja Akredytacyjna;
- Support Partners: Platoniq, INOVA+, Aalto-Yliopiston Ylioppilaskunta -Best and Junta Digital.

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We met for the first time!

The first meeting of the project was hosted by INOVA+, in Portugal, between the 17th and 19th of January, gathering the 13 partners. The overall project was discussed and several objectives and deadlines were defined. At the end of the last day, the project's partners participated in a public debate about the New Industrial Policy in Europe.

A few days after, UoF coordinator, Porto Design Factory, was present in a Knowledge Alliance Meeting organized by EACEA, in Brussels, in 31st January and 1st February, in which 22 different coordinators were present to represent the chosen projects on the 2017 Call.

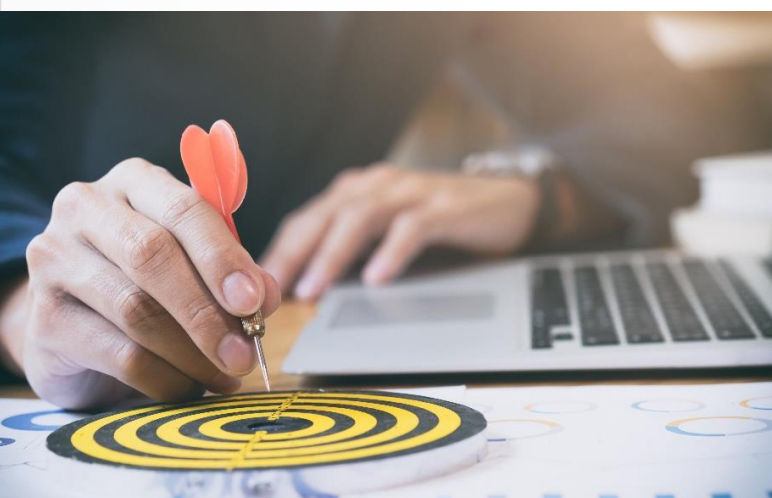
Our initial work has begun!

The beginning of the project was based on literature review and fieldwork aiming to produce an up-to-date common body of knowledge on Industry 4.0 readiness and related impact on skills shifting, up/re-skilling as well as on the potential of integrating an Education 4.0 framework in universities.

Hence, after the first phase of literature review and defining the reference points for the empirical data, partners moved to the second phase, the field work, characterized by 10 in-depth interviews and 25 phone questionnaires.

Let us introduce you the first conclusions: the main focus that should be developed is the wide perspectives and interpersonal skills to complement the specific knowledge of each field, learned in the Universities. These institutions should focus not only on the development of the hard skills by its students but also on the ability to adapt to new contexts and environments, enabling them to develop social capacities.

Visit our website www.universitiesofthefuture.eu to access the full report.



Discover the first movers!

A set of good practices is being researched and compiled, especially successful examples of Industry 4.0 first movers. The partnership will gather excellent educational initiatives for benchmarking from all players in the quadruple helix, in a worldwide scope, which will result, after analyses, in an e-book and promotional video available for free consultation on our website.

This benchmark will encourage the key stakeholders to actively participate in the paradigm shift, as well as to discover the lessons learned and use them to construct improved paths in the re-industrialization process.

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