



NEWSLETTER N.º1

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Changing SME business by Industry 4.0

“**Changing SME business by Industry 4.0**” – the **CHAIN Project**, is financed through the Erasmus+ programme – Higher Education Strategic Partnerships.

Aims:

- to contribute to the Digitizing European Industry initiative.
- to cope with the current “de-industrialization” process taking place in the EU.
- Europe needs to learn how to deal with a profound digitisation of its industry.
- to understand the impact of these changes in EU's industry.

Results

- Brochure – Chain Position Paper on I4.0
- Set of Case Studies
- Course: Strategic Digitisation of Organisations
- Interactive Documentary
- An exploitation Compendium

Activities in the CHAIN Project



Bojan Jovanovski

Senior Lecturer (FH)
FH JOANNEUM

Output 1 – Industry 4.0

A comprehensive Approach,
Main Features and Impacts

This brochure aims to support the inception phase of implementation of Industry 4.0. It brings Industry 4.0 (I4.0) closer to practitioners, providing initial insight in the concept, its scope, and its potential impact on the innovation and competitiveness of SMEs. The reader is guided through the history of the technical revolutions, the definitions of the I4.0 and related terms setting the scope of the field.

In the second part of the brochure the targeted managers and employees in SMEs as well as young professionals, offered with theoretical background necessary for practical implementation, focusing on technological and organisation transformation, innovation and new business models and impacts on SMEs.

Brochure available on the following link: <https://bit.ly/2PNkj59>



Emilie Scholtes Chapotot

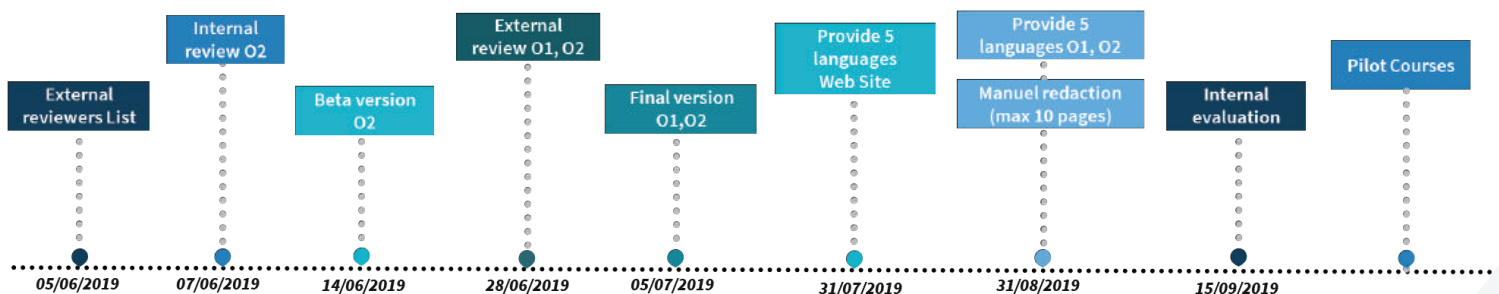
Research Engineer

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Output 2 – Set of Case Studies

This brochure is an exploratory case studies aims to collect the strategies and practices implemented in SMEs in the context of growing digitalization, the challenges, the new paradigm poses and the practical impacts on work, employment, skills and business models. This brochure present a collection of 8 prospective case studies of SMEs lead in 4 countries: Portugal, Austria, France and Bulgaria (2 SMEs per country). SMEs chosen try to meet the challenges posed by Industry 4.0 and give their experiences through various ways such as: business model evolution, production impacts, organizational impacts, digital tools/IOT/CPS and professional support. Data collected was analyzed with thematic analysis method. Final goal is to identify questions and approaches, the pros and cons of each approach and give recommendations on how the Chain Course and the new High Education Curriculum could be designed.

CHAIN Project's milestones



Project consortium

FH JOANNEUM
University of Applied Sciences

ECQ
European Center for Quality
from the idea to the result

AidLearn
Cooperation Research Network Ltd

ESTIA
INSTITUTE OF TECHNOLOGY

POLITÉCNICO DE LEIRIA