



HEIBus - Smart HEI-Business collaboration for skills and competitiveness

January 2017 – December 2019

The project focuses on strengthening the collaboration between Higher Education Institutions (HEIs) and companies by creating new innovative cooperation models.

Multidisciplinary Real Life Problem Solving (RLPS, WP3)

Objectives:

- 1) Bringing students from different countries and study programs to work together by forming multidisciplinary groups, which solve a real problem given by a company and compete towards each other.
- 2) Developing totally virtual RLPS implementations to make the method independent from place and more accessible for example to students unable to travel.

| Companies | Real life problems |
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| ITAB Shop Concept Finland Oy, Finland | New concept for self service station in order to enhance customer experience |
| SC AutoMates ACM SRL, Romania | Design a fully pneumatic slicing machine for use in food industry to portion hard and semi-hard cheese |
| Centro Tecnológico del Plastico, Andaltec, Spain | Reducing the environmental footprint through the development of new and biodegradable plastic products |

| Important issues |
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| <ul style="list-style-type: none"> • Enough time for group work is needed during the intensive week • Well tested communication tools are necessary and important for the virtual meetings • Working with people from different countries and different study programs is very fruitful and important also for the future • In practise there are no big differences between results of face-to-face and virtual groups |

Expert Level Real Life Problem Solving (EXPERT, WP4)

Objectives: Developing and piloting a new cooperation model between HEIs and companies. The idea is that a company utilizes experts from HEIs in their development projects. This enables companies to bring complicated problems to be solved by international and multidisciplinary experts. The first results will be available in June 2018.

| Companies | Real life problems |
|--------------------------------|---|
| ITAB Shop Concept Finland Oy | Inventory management by smart fittings |
| Electrolux Lehel Ltd., Hungary | Developing a pipe air flow resistance measuring device for vacuum cleaner pipes |
| SC ProTehnic, Romania | Implementing IoT and lifecycle management in photovoltaic area |

Flexible Student Mentoring by Companies (Flex Mentoring, WP5)

Objectives:

- 1) Finding and testing flexible ways to involve companies in education at HEIs in five European countries.
- 2) Collecting a set of methods to involve companies in the education of student groups throughout their studies.

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