Student Profile for Enhancing Engineering Tutoring

Erasmus+

The SPEET Strategic Partnership project

Marian Barbu

"Dunarea de Jos" University of Galati

Local Multiplier Event,
UGAL, Galati, May 16, 2018

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Erasmus+ is the **EU Programme in the fields of education, training, youth and sport for the period 2014-2020**. Education, training, youth and sport can make a major contribution to help tackle socio-economic changes, the key challenges that Europe will be facing until the end of the decade and to **support the implementation of the European policy agenda for growth, jobs, equity and social inclusion**.

In order to achieve its objectives, the **Erasmus+ Programme** implements the following Actions:

KEY ACTION 1 – MOBILITY OF INDIVIDUALS
KEY ACTION 2 – COOPERATION FOR INNOVATION AND THE EXCHANGE OF GOOD PRACTICES
KEY ACTION 3 – SUPPORT FOR POLICY REFORM
JEAN MONNET ACTIVITIES
SPORT

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Our project belongs to the

Key Action KA2 - Cooperation for Innovation and the Exchange of Good Practices

Strategic Partnerships aim to support the development, transfer and/or implementation of innovative practices as well as the implementation of joint initiatives promoting cooperation, peer learning and exchanges of experience at European level.

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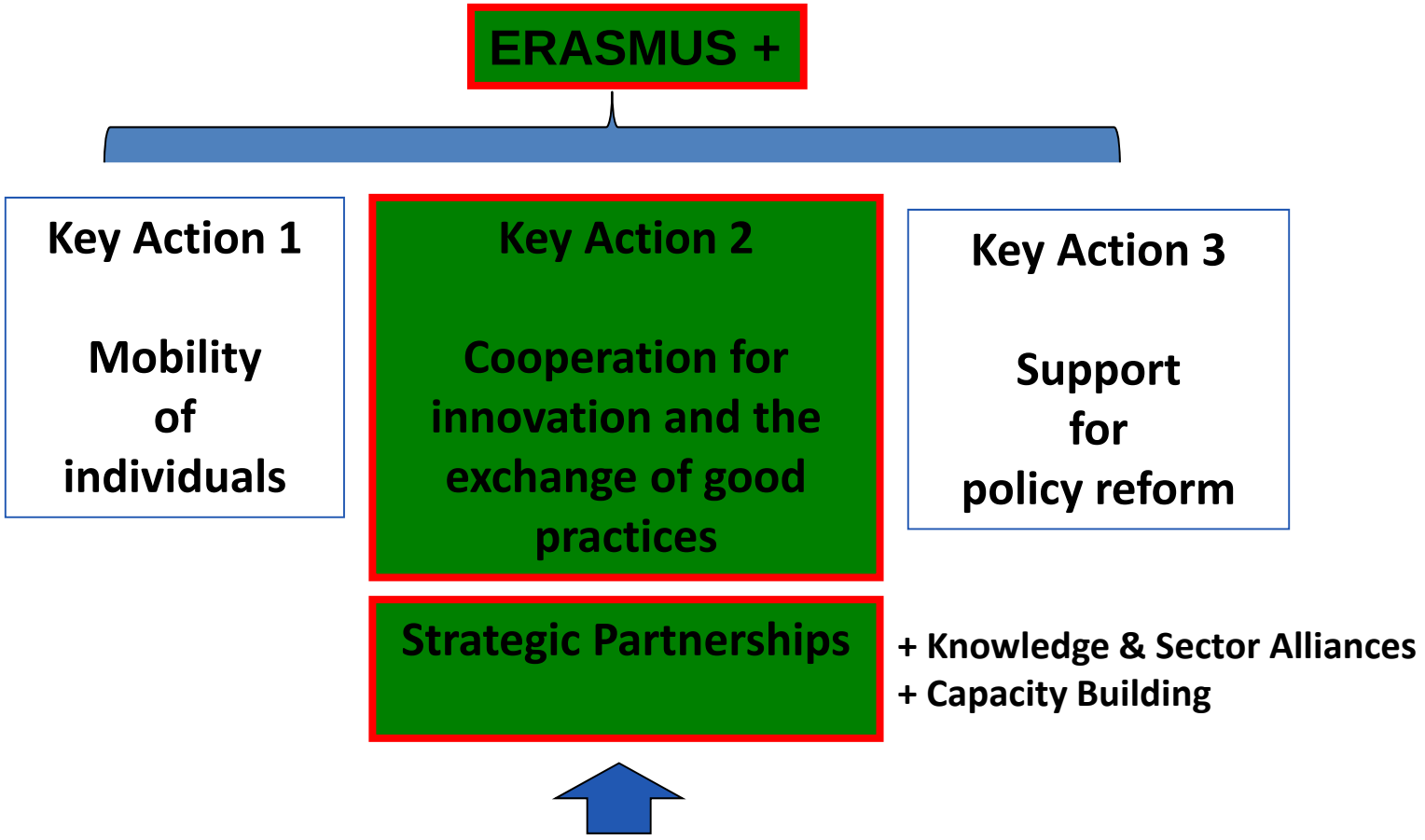

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Strategic Partnerships

Exchange of Good Practices

Innovation

school education

higher education

adult education

vocational education and trainign

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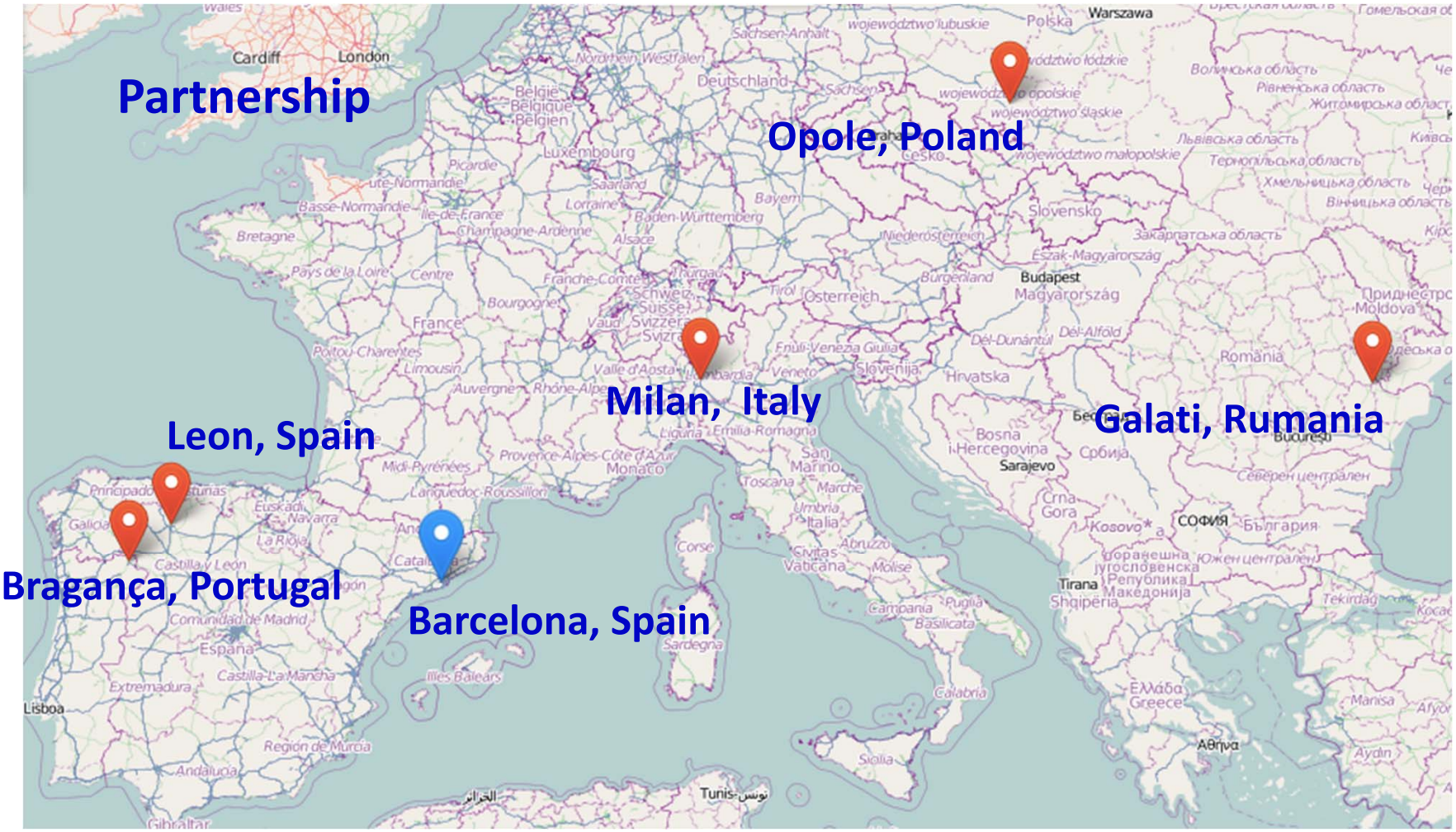

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OBJECTIVE **determine and categorize the different profiles for engineering students across Europe**. On the basis of the preceding scenarios, this project's goal emerges from the potential synergy among

a) the huge amount of **available academic data** actually existing at the academic offices of faculties and schools,
b) the maturity of data science in order to provide algorithms and tools to **analyze and extract information** from what is more commonly referred to Big Data.

The **PURPOSE** of the project is to apply data mining algorithms to process this data in order to extract information about and to identify student profiles.

CONCRETE OBJECTIVES can be summarized as:

1. **Collect** engineering students performance and collateral data from partner organizations.
2. **Application of data mining** techniques in order to get a characterization of students profile.
3. **Provide** labels and features of the obtained **profiles** with the aim of easy recognition and classification.
4. **Generate an IT tool** to automate the data exploration and classification.
5. **Elaborate** suggestions and uses of this IT tool as a support for tutoring activities.

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