



Student Profile for Enhancing
Engineering Tutoring



Erasmus+

The SPEET Strategic Partnership project

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ipb
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Local Multiplier Event,
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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

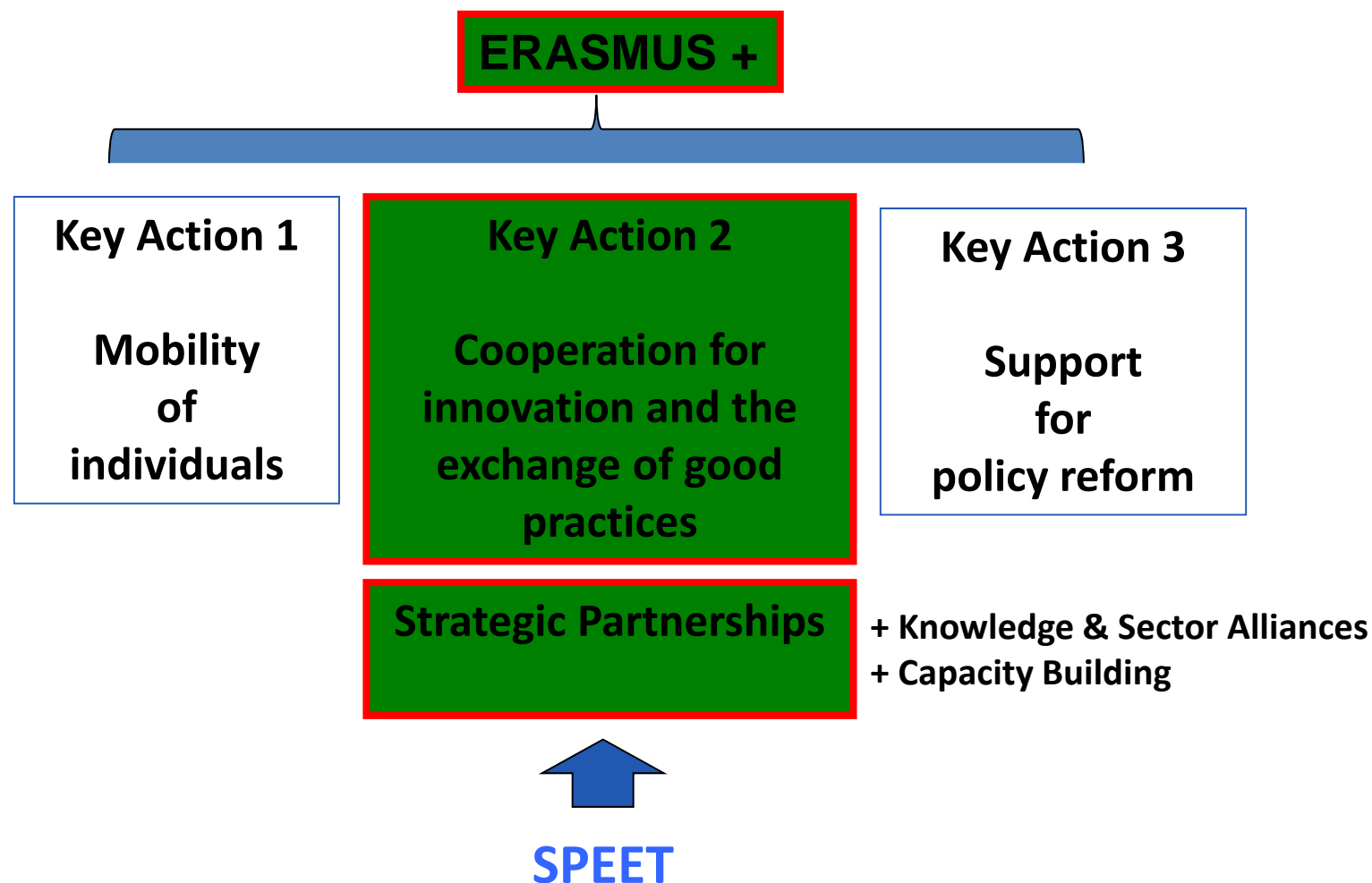
Strategic Partnerships aim to support the development,
transfer and/or implementation of innovative practices as
well as the implementation of joint initiatives promoting
cooperation, peer learning and exchanges of experience at
European level.



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Strategic Partnerships

**Exchange of Good
Practices**

Innovation

school education

higher education

adult
education

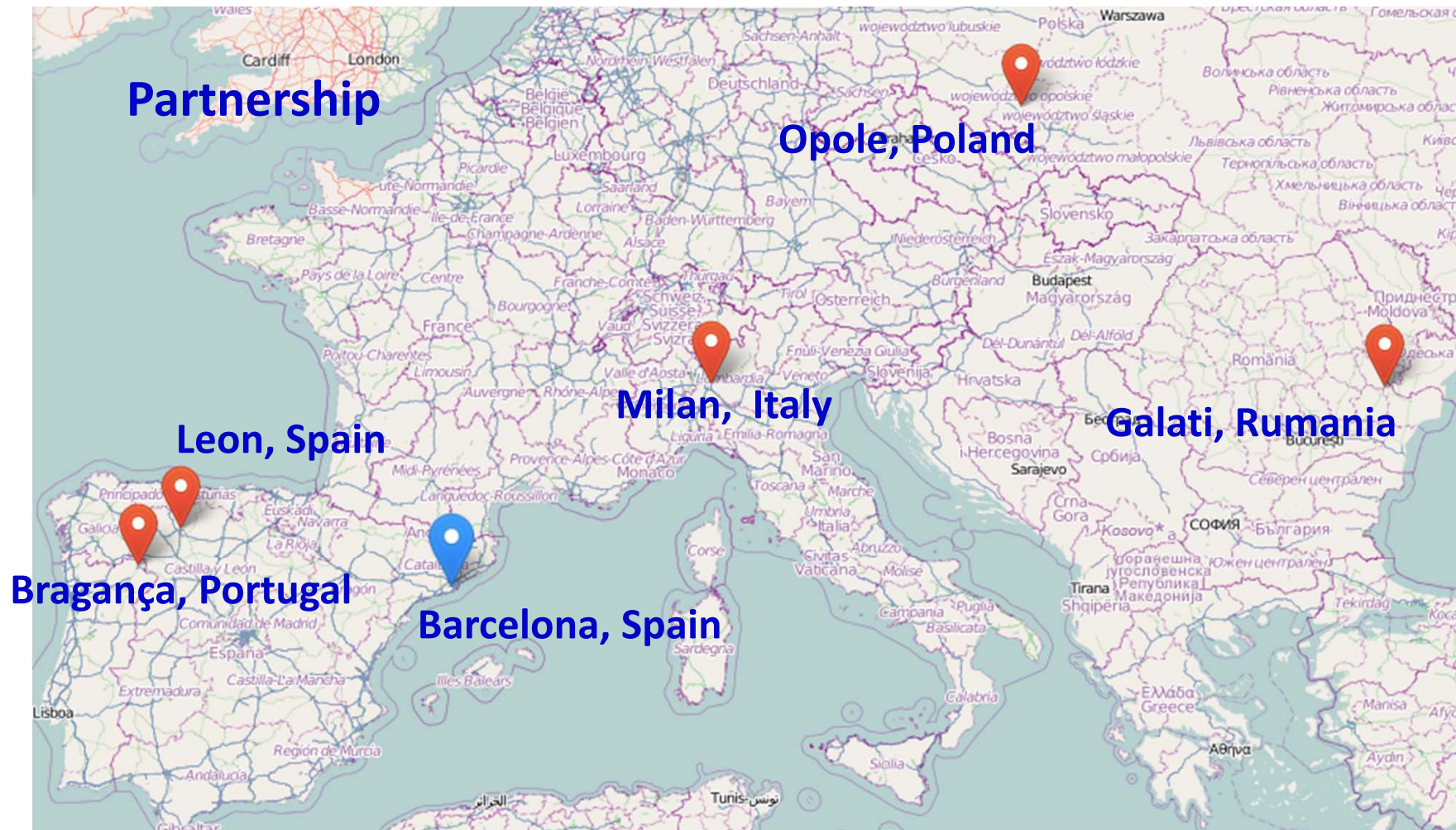
vocational
education and
trainign



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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.



Student Profile for Enhancing Engineering Tutoring



Erasmus+



The screenshot shows a web browser window with the URL speet-project.com. The website has a yellow header with the SPEET logo and the text "Wellcome to SPEET Student Profile for Enhancing Engineering Tutoring". Below the header is a navigation menu with links: HOME, THE PROJECT, DOCUMENTS, PARTNERS, GET INVOLVED, ABOUT ERASMUS+, and CONTACT. The main content area features a large image of a hand interacting with a digital interface, with the text "Academic data analysis" overlaid. Below this, there are two yellow boxes. The left box is titled "Speet at the 2017 International Erasmus Week in Bragança (Portugal)" and contains text about the event, the logo of Instituto Politécnico de Bragança (IPB), and a link to a PDF brochure. The right box is titled "Let's Collaborate" and contains text about educational data mining and a link to a collaboration page.

Wellcome to SPEET
Student Profile for Enhancing
Engineering Tutoring

HOME THE PROJECT DOCUMENTS PARTNERS GET INVOLVED ABOUT ERASMUS+ CONTACT

Academic data analysis

Speet at the 2017 International Erasmus Week in Bragança (Portugal)

During the 16th-18th May the International Erasmus Week organised by the Instituto Politécnico de Bragança will take place. Within the activities, the SPEET partnership organises the workshop workshop on:

"Student Profile for Enhancing Engineering Tutoring" (School of Technology and Management, Room 101)

For more information you can contact the SPEET management or the IRO at IPB

 INSTITUTO POLITÉCNICO DE BRAGANÇA

 Brochure.pdf

Let's Collaborate

Are you interested in Educational Data Mining? Drop-out prevention? Academic Data Analysis? IT Support for tutoring actions? Elaboration of student profiles? in any case, be in touch with us, by sure we can work out something together.

 COLLABORATE!

www.speet-project.com



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