



University of Belgrade  
Technical Faculty in Bor

*Engineering Management  
Department*

# University of Belgrade

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## Facts:

- University of Belgrade is the oldest state university in Serbia, founded in 1808
- 31 faculties, 8 institutes, 1 university library.
- Teaching and research staff consists of approx. 7,300
- Approx. 90,000 active students and alumni:
  - 346,000 students with a Bachelor's degree
  - 22,700 students with a Master's degree
  - 13 200 students with a Doctoral degree



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# Technical Faculty in Bor



## Facts:

- Founded in 1961
- Study programs:
  - Mining Engineering
  - Metallurgical Engineering
  - Technological Engineering
  - Engineering Management
- Approx. 700 active students and alumni:
  - 3022 students with a Bachelor's degree
  - 236 students with a Master's degree
  - 127 students with a Doctoral degree



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# Engineering Management Department



## Facts:

- Founded in 2002
- Teaching staff:
  - 23 professors and 4 teaching assistants
- Approx. 290 active students and alumni:
  - 905 students with a Bachelor's degree
  - 175 students with a Master's degree
  - 19 students with a Doctoral degree



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# Mission and Vision

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- To provide an adequate response to the educational needs of future generations
- To develop the Department, while nurturing the most prospective, the most attractive, the most modern and highest quality studies in the region of Southeast Europe
- To provide the highest quality consulting and planning services in South-eastern Europe



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# Research Fields

- Material flow balancing
- Environmental management
- Quantitative data analysis
- Numerical modeling and statistical modeling
- Modeling of industrial processes and use of simulation techniques
- Market research



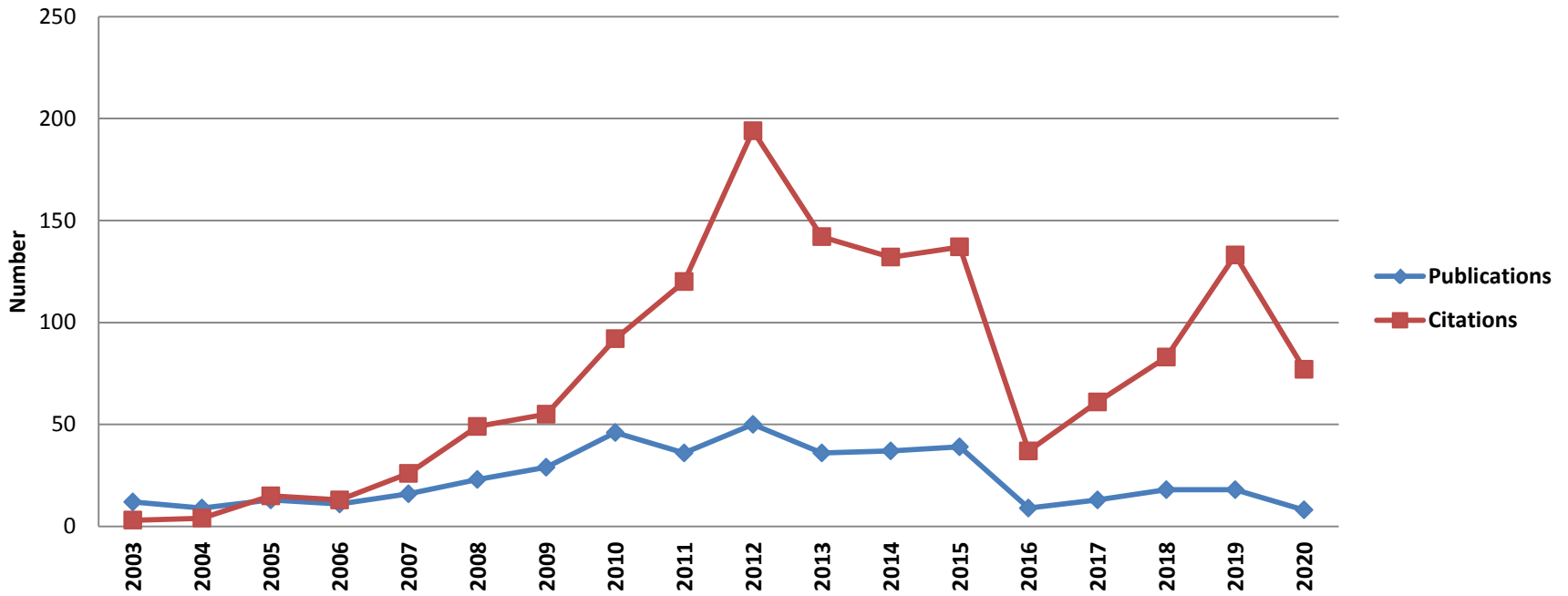
- Data mining
- Programming
- Algorithm development
- Information systems
- E-commerce
- Multi-criteria models for ranking and selection of optimal solutions
- Services Marketing



# Research results

- ❑ Increasing trend in published and cited papers in leading international scientific journals
- ❑ During the period 2003-2020 approx. 450 papers were published and cited over 1370 times in peer reviewed journals.

Research results



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# Technical Equipment and Library

- ❑ Three computer laboratories of entire area of 170 m<sup>2</sup> with 42 computers
- ❑ A mobile computer laboratory with 10 laptop computers uplinked with wireless network system
- ❑ Approx. 500 books in the field of management theory and practice



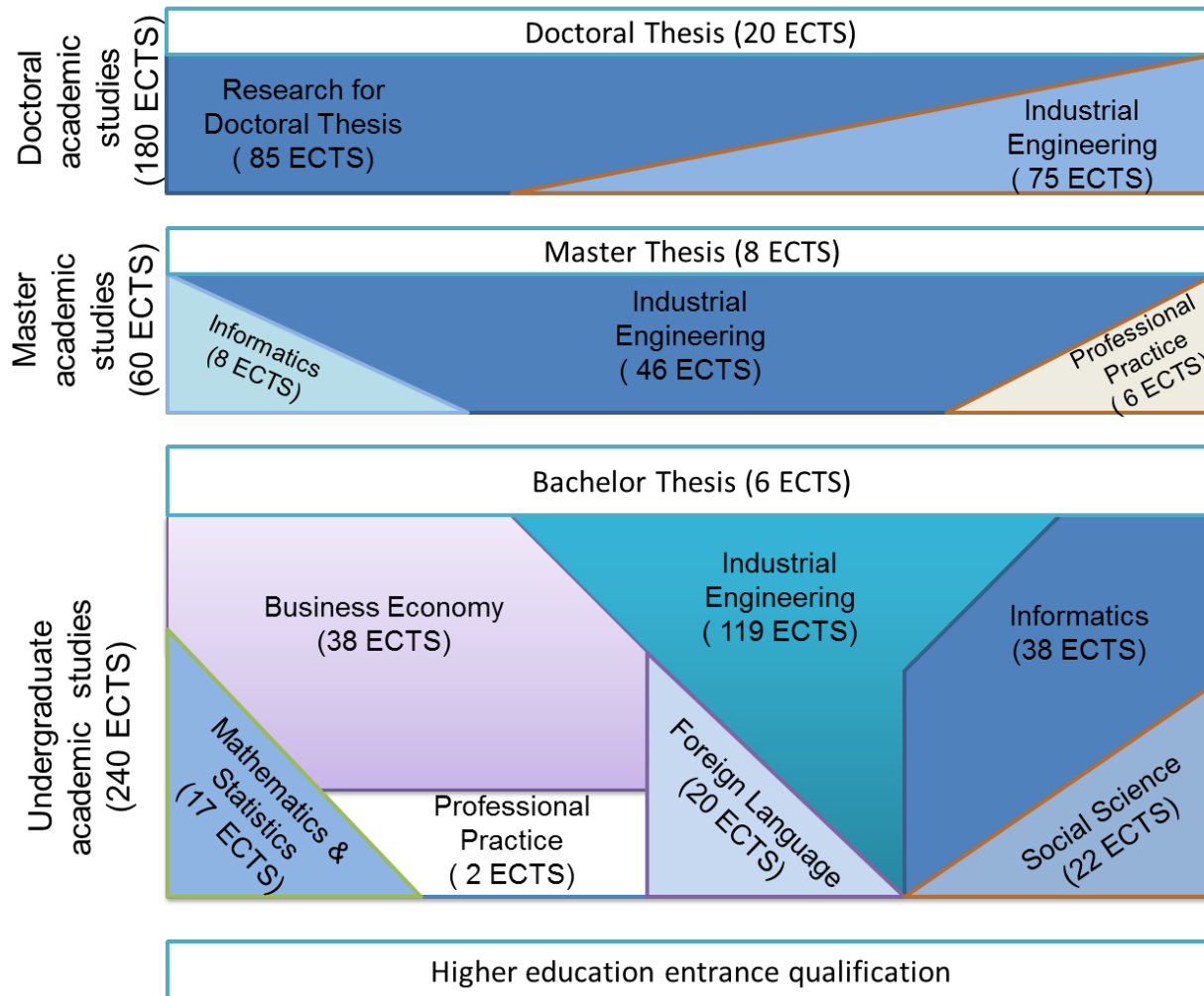
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# Engineering Management study programs



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# Engineering Management – Undergraduate academic studies

## Undergraduate academic studies

(240 ECTS)

Semester	1	2	3	4	5	6	7	8
	<p><b>Common base module 180 (ECTS):</b> Compulsory courses (23 courses):</p> <ul style="list-style-type: none"> <li>Lecture classes: <b>60</b></li> <li>Practical classes: <b>53</b></li> </ul> <p>Optional courses (4 optional modules each with two optional courses):</p> <ul style="list-style-type: none"> <li>Lecture classes: <b>9</b></li> <li>Practical classes: <b>9</b></li> </ul>						<p><b>Module: Business Management 60 (ECTS):</b> Compulsory courses (8 courses):</p> <ul style="list-style-type: none"> <li>Lecture classes: <b>22</b></li> <li>Practical classes: <b>16</b></li> </ul> <p>Optional courses (2 optional modules each with two optional courses):</p> <ul style="list-style-type: none"> <li>Lecture classes: <b>4</b></li> <li>Practical classes: <b>0</b></li> </ul>	
							<p><b>Module: Information Technologies 60 (ECTS):</b> Compulsory courses (8 courses):</p> <ul style="list-style-type: none"> <li>Lecture classes: <b>19</b></li> <li>Practical classes: <b>17</b></li> </ul> <p>Optional courses (2 optional modules each with two optional courses):</p> <ul style="list-style-type: none"> <li>Lecture classes: <b>4</b></li> <li>Practical classes: <b>4</b></li> </ul>	



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# Engineering Management – Master academic studies

## Master academic studies

(60 ECTS)

Semester	1	2
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### **Module 60 (ECTS): Engineering Management**

Compulsory courses (4 courses):

- Lecture classes: **6**
- Practical classes: **19**

Optional courses (3 optional modules each with two optional courses):

- Lecture classes: **6**
- Practical classes: **9**



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# Engineering Management – Doctoral academic studies

## Doctoral academic studies

(180 ECTS)

Semester	1	2	3	4	5	6
	<b>Module 75 (ECTS):</b> Optional courses (5 optional modules each with two optional courses): <ul style="list-style-type: none"><li>• Lecture classes: <b>30</b></li><li>• Student research work classes: <b>20</b></li></ul>			<b>Research for Doctoral Thesis and Doctoral Dissertation Realization and Defense of Thesis 105 (ECTS):</b> 5 Optional courses : <ul style="list-style-type: none"><li>• Student research work classes: <b>30</b></li></ul>		



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# Publishing activities

- ❑ Since 2006 Engineering Management Department has been publishing Serbian Journal of Management biannually (<http://www.sjm06.com/>)
- ❑ This journal is an international medium for the publication of scientific papers covering the theory and practice of Management
- ❑ 287 papers have been published, reviewed by internationally recognized academic researchers.



# Publishing activities

- ❑ Since 2015 Engineering Management Department has been publishing Engineering Management biannually (<http://menadzment.tfbor.bg.ac.rs/english/student-journal/> )
- ❑ This journal is an international student journal for theory and practice of management science



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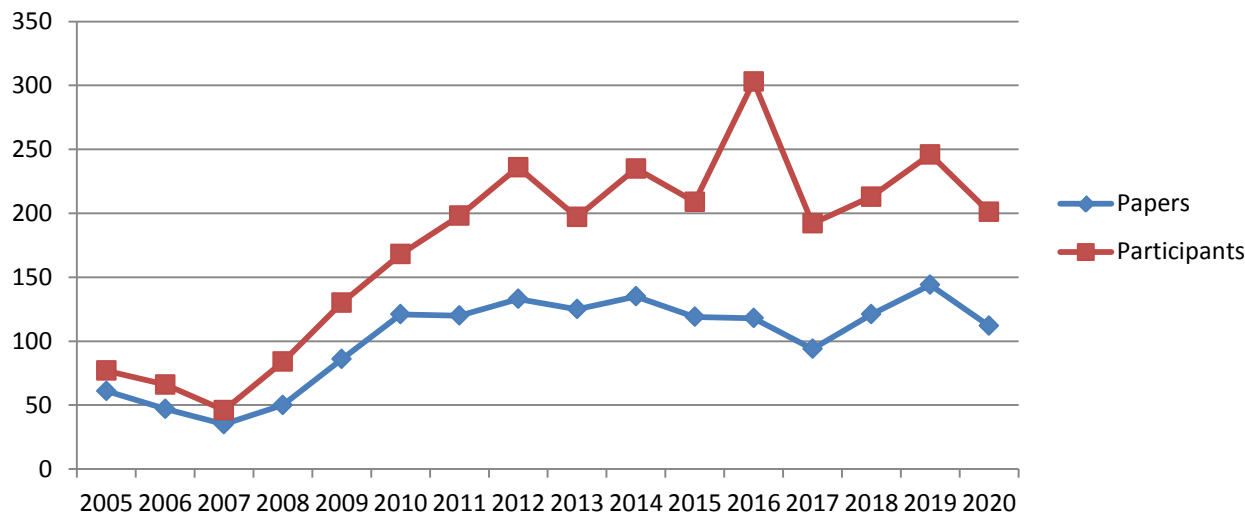


# Conferences

## International May Conference on Strategic Management

- ❑ Organized since 2005
- ❑ Number of participants and papers has been continually increasing

### International May Conference on Strategic Management



## International Symposium on Environmental Management and Material Flow Management

- ❑ Organized since 2011, in cooperation with University of Trier (Germany) and University of Zenica (Bosnia and Herzegovina)

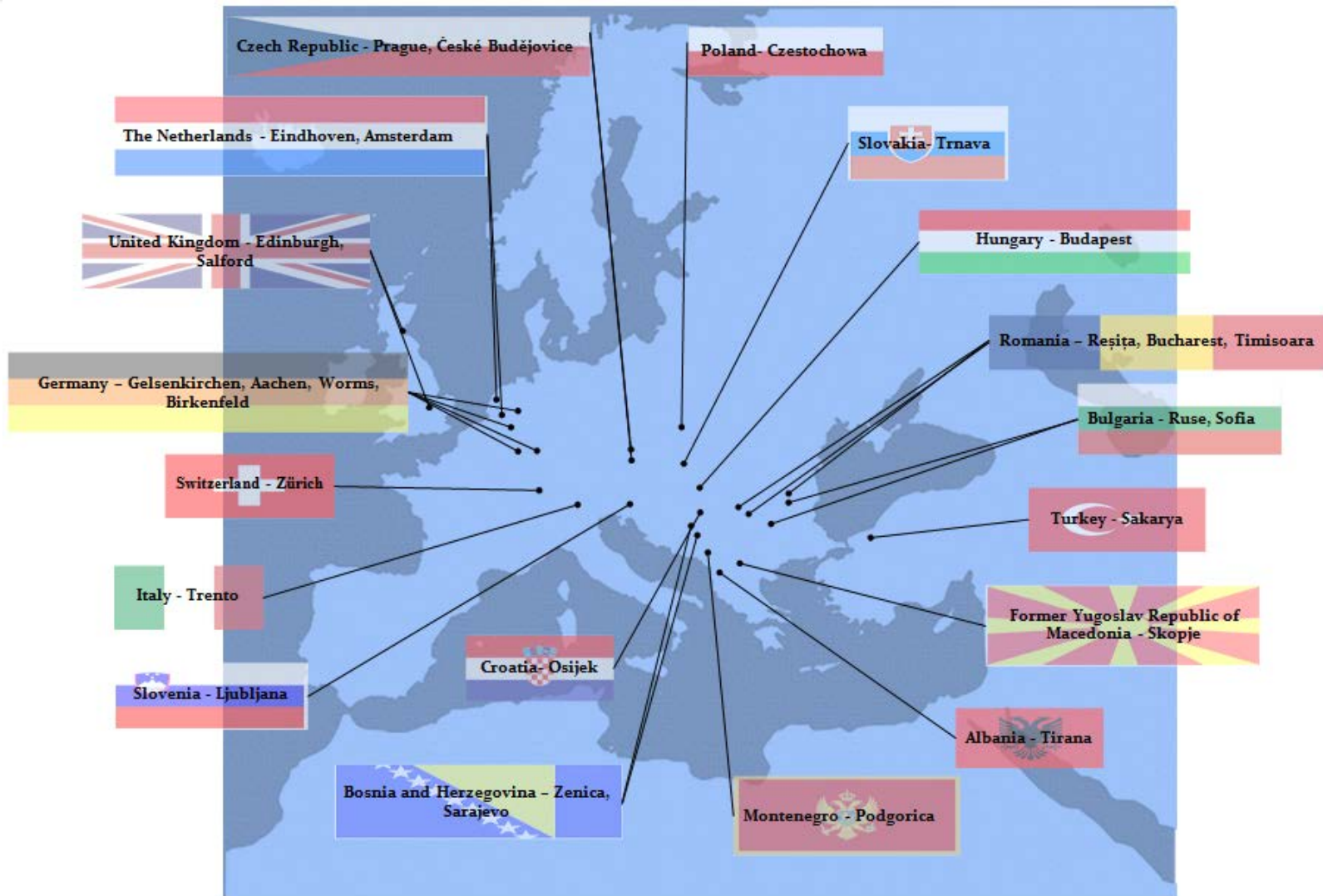


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# International cooperation



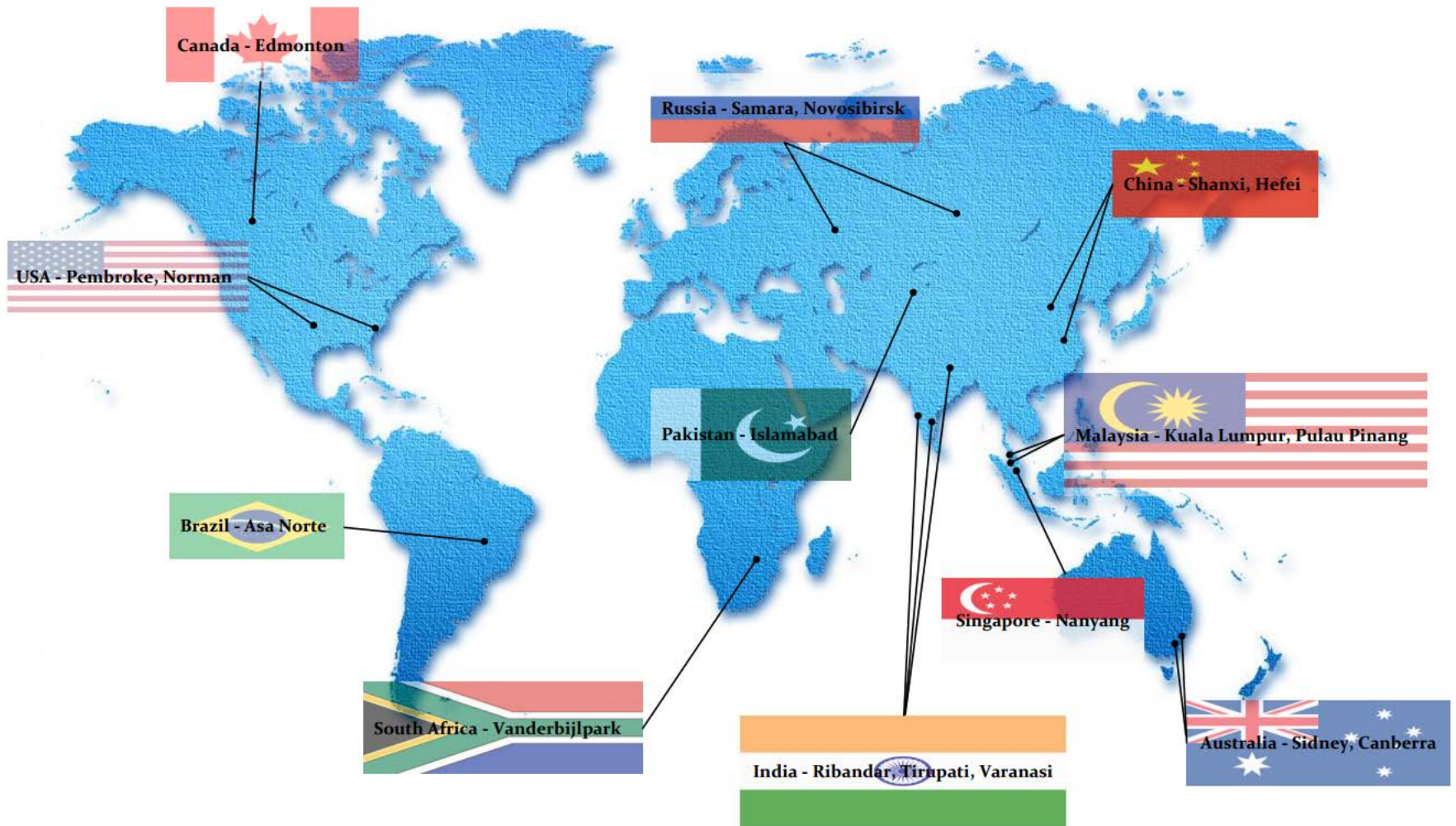
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# International cooperation



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# International projects

- ❑ **Erasmus + Programme, Key Action 1 – Mobility for learners and staff – Higher Education Student and Staff Mobility**, between University of Eastern Finland, Joensuu, Finland and University in Belgrade, Technical Faculty in Bor (2016/2017).
- ❑ **Environmental awareness as a universal European Value (2016)**. Beneficiary organization - International Visegrad Fund (<http://mksm.sjm06.com/round-table-2016-visegrad-fund-project/> )
- ❑ **Erasmus + Programme, Key Action 1 – Mobility for learners and staff – Higher Education Student and Staff Mobility**, between Obuda University, Budapest, Hungary and University in Belgrade, Technical Faculty in Bor (2015/2016).
- ❑ **Possibilities for development of business cluster network between SMEs from Visegrad countries and Serbia (2014)**. Beneficiary organization - International Visegrad Fund. Participants: Czech Republic, Slovakia, Poland, Hungary and Serbia (<http://mksm.sjm06.com/visegrad-fund-project/> ).



# International projects

- ❑ PHARE-CBC ROMANIA-SERBIA (2008-2009), RO 2004/016-943.01.01.08 – Creation of the Centre of Entrepreneurship and Intercultural Management: Business development - successful entrepreneurship practice for social organizations in Caras-Severin and Bor, 2008 – 2009 (Beneficiary organization/department: University Eftimie Murgy, Resita, Romania – Technical faculty in Bor)
- ❑ PHARE-CBC ROMANIA-SERBIA 2006/ RO 2006/018-448.01.02.15 – The virtual space of knowledge - the way of integration, 2008-2009 (Beneficiary organization/department: University Eftimie Murgy, Resita, Romania – Technical faculty in Bor)
- ❑ GET – IT Serbia (ICT in Entrepreneurship education) / 2009 (International Educational Network)



# Membership in international networks

## Academic Entrepreneurship and Innovation Network of South Eastern European Universities (RESITA NETWORK)

- ❑ Founded in 2008 and financially supported by DAAD
- ❑ Network of 16 European universities and institutes
- ❑ Supports exchange and professional development of teaching staff and students from partner universities, by organizing seminars, workshops, summer academies, summer schools, internships etc.



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