



TEMPUS

Vladimír Janiš

Matej Bel University, Banská Bystrica
Slovak Republic



our current project



some general comments

ECCE MUNDUS Seminar, Budapest, 15.-16.10. 2012



511140-TEMPUS-1-2010-1-RS-TEMPUS-JPCR: Master program in Applied Statistics MAS

Project objective:

- To develop and implement a master curriculum in applied statistics in line with existing European study programs and according to Bologna requirements.
- To organise a lifelong learning program in applied statistics for professionals in different fields.
- Duration: 3 years (October 2010 – October 2013)
- Budget around 600 000 Euro
- <http://stat.uns.ac.rs>



Partners

EU partners

- Eötvös Loránd University, Budapest, Hungary
- Università degli Studi del Sannio, Italy
- Universidad de Oviedo, Spain
- Matej Bel University, Slovakia
- University of Ljubljana, Slovenia
- WU Vienna University of Economics and Business, Austria

Partners from Serbia

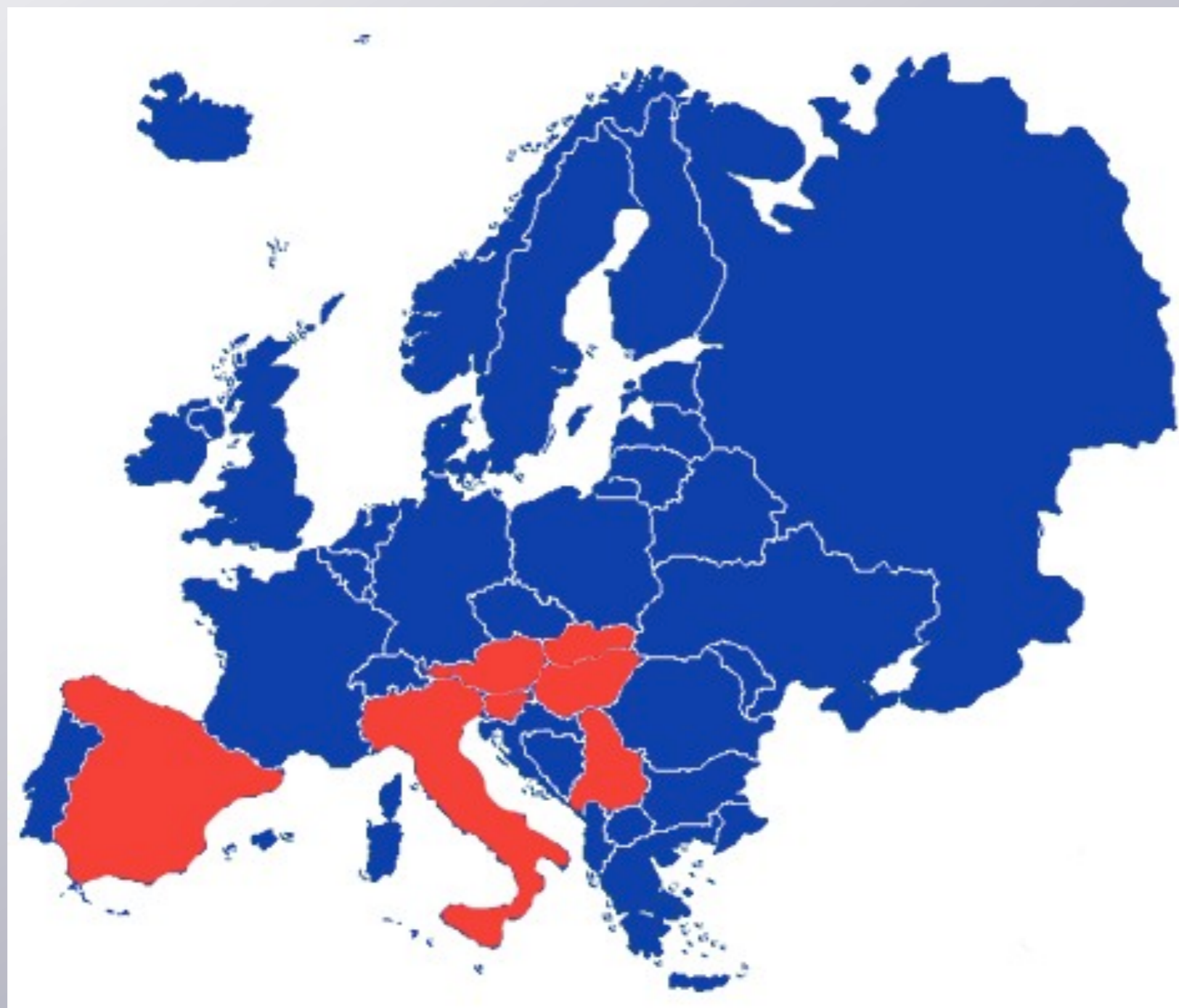
- University of Novi Sad (coordinator)
- University of Belgrade
- University of Kragujevac
- University of Niš
- State University of Novi Pazar

Non-academy partners

- Republic Statistical Office, Serbia
- National Bank of Serbia



Partners



Current results



Master program in Applied Statistics

- New curriculum is prepared at University of Novi Sad (master curriculum, 2 years)
- Interdisciplinary study program
- Implemented directly at the University (8 faculties are included in realization) within the Center for applied statistics
- The program passed the accreditation on 14. October 2011
- The lectures start on 7. November 2011
- four modules: biomedicine, economics, social sciences and engineering
- a candidate should have completed the first stage of any academic studies with at least 180 ECTS points, to have basic knowledge in mathematics and computer science and ability to use English language
- currently 20 students per academic year, after project period +5 students co-financing

Work packages



1. Development of a new program in Applied Statistics
2. Preparations for implementation of new master program
3. Implementation of the program
4. Quality control
5. Dissemination
6. Sustainability
7. Management of the project

Activities



- Workshop "Curricula in Applied Statistics: Best practice in EU and perspectives in Serbia"
- Reports on analysis of best practise and comparative analysis
- Learning outcomes and competencies
- Program in applied statistics, modules, syllabus of all courses and ECTS
- Lectures in Applied Statistics
- Workshop "Methodology of Teaching Statistics"
- Quality control
- Dissemination

Activities - example



FIRST PROJECT MEETING IN NOVI SAD December 10, 2010

- Anuška Ferligoj: Unifying graduate statistics: a big umbrella for a small country
- Biagio Simonetti: A proposal for the master programme in applied statistics: Statistical Methods for the Measurement of the Quality of Services
- Ronald Hochreiter: Quantitative Finance, Business Statistics and the statistical programming language R
- Vladimir Janiš: Statistics for financial mathematics and economy
- Tamas Rudas: MSc in Survey Statistics at ELTE
- Susana Montes: Curriculum in statistics at the University of Oviedo
- Zorana Lužanin: Applied statistics at University of Novi Sad - from wishes to realization

Outputs - example



MODULE Economy:

10	Econometrics I	6	2+3	1	3
11	Financial Models	6	2+3	1	3
12	Econometrics II	6	2+3	1	3
TOTAL:		18	6+9		

MODULE Engineering:

13	Monte Carlo and computational methods in statistics	6	2+3	1	3
14	Applied Statistics in Measurement Systems	6	2+3	1	3
15	Methods for Quality Management	6	2+3	1	3
		18	6+9		

MODULE Medicine:

16	Biostatistics	6	2+3	1	3
17	Survival analysis	6	2+3	1	3
18	Epidemiology	6	2+3	1	3
		18	6+9		

MODULE Social Sciences:

19	Analysis of categorical data 1	6	2+3	1	3
20	Structural equations	6	2+3	1	3
21	Advanced linear modeling	6	2+3	1	3
		18	6+9		

Electives

22	Bayesian statistics	6	2+3	1	4
23	Data analysis and neural network	6	2+3	1	4
24	Longitudinal method	6	2+3	1	3
25	Analysis of categorical data 2	6	2+3	1	3
26	Data envelopment analysis	6	2+3	1	3

Activities

- Workshop "Curricula in Applied Statistics: Best practice in EU and perspectives in Serbia"
- Reports on analysis of best practise and comparative analysis
- Learning outcomes and competencies
- Programme in applied statistics, modules, syllabus of all courses and ECTS
- Lectures in Applied Statistics
- Workshop "Methodology of Teaching Statistics"
- Quality control
- Dissemination

Links

- Tempus Office of Serbia
- Center for applied statistics, University of Novi Sad

Project Outline

- **Master programme in applied statistics** is a project supported by Tempus under the grant no. 511140-TEMPUS-1-2010-1-RS-TEMPUS-JPCR.
- **Duration:** October 15, 2010 - October 14, 2013.
- **Budget:** € 632807,62 + € 70311,95 of co-financing
- **Coordinator:** University of Novi Sad, Novi Sad, Serbia
- **Participants:**
 - University of Novi Sad, Novi Sad, Serbia;*
 - University of Niš, Niš, Serbia;*
 - University of Kragujevac, Kragujevac, Serbia;*
 - University of Belgrade, Belgrade, Serbia;*
 - State university of Novi Pazar, Novi Pazar, Serbia;*
 - WU Vienna University of Economics and Business, Vienna, Austria*
 - Matej Bel University in Banska Bystrica, Banska Bystrica, Slovakia;*
 - Universidad de Oviedo, Oviedo, Spain;*
 - Università degli Studi del Sannio, Benevento, Italy;*
 - University of Ljubljana, Ljubljana, Slovenia;*
 - Eötvös Loránd University, Budapest, Hungary;*
 - Republic Statistical Office, Belgrade, Serbia;*
 - National Bank of Serbia, Belgrade, Serbia*
- **Summary Of The Project**
- **The project rationale**

Specific objectives of the project

- To develop and implement a master curriculum in applied statistics in line with existing European study programmes and according to Bologna requirements.

- To organize a lifelong learning programme in applied statistics for professionals in different fields.

Work packages:

1. WP1 Development of a new programme in Applied Statistics
2. WP2 Preparations for implementation of new master programme
3. WP3 Implementation of the programme
4. WP4 Quality control
5. WP5 Dissemination
6. WP6 Sustainability
7. WP7 Management of the project

Project web page



Visitors

See more ▶

RS 721	SI 15	CH 7	CA 3	CN 2
GR 88	IT 15	AT 7	GB 3	EE 1
US 70	HU 14	HK 5	AU 3	IN 1
ES 28	FR 11	RU 5	MK 3	BR 1
BA 25	BE 11	PL 4	IE 3	CY 1
DE 17	SK 8	ME 3	TR 2	SG 1



	Country	Unique Visitors ↓	Last New Visitor
1.	Serbia	721	54 minutes ago
2.	<input type="checkbox"/> Greece	88	October 2, 2012
3.	<input type="checkbox"/> United States	70	September 27, 2012
4.	<input type="checkbox"/> Spain	28	October 1, 2012
5.	Bosnia and Herzegovina	25	May 25, 2012
6.	<input type="checkbox"/> Germany	17	October 2, 2012
7.	Slovenia	15	September 23, 2012
8.	<input type="checkbox"/> Italy	15	August 27, 2012
9.	<input type="checkbox"/> Hungary	14	September 26, 2012
10.	<input type="checkbox"/> France	11	September 12, 2012
11.	<input type="checkbox"/> Belgium	11	July 26, 2012
12.	<input type="checkbox"/> Slovakia	8	3 hours ago
13.	<input type="checkbox"/> Switzerland	7	July 28, 2012
14.	<input type="checkbox"/> Austria	7	July 26, 2012
15.	Hong Kong	5	June 4, 2012
16.	<input type="checkbox"/> Russia	5	April 18, 2012
17.	<input type="checkbox"/> Poland	4	September 17, 2012
18.	Montenegro	3	September 9, 2012
19.	<input type="checkbox"/> Canada	3	September 9, 2012
20.	<input type="checkbox"/> United Kingdom	3	August 3, 2012
21.	<input type="checkbox"/> Australia	3	July 6, 2012
22.	Republic of Macedonia	3	April 20, 2012
23.	<input type="checkbox"/> Ireland	3	January 27, 2012
24.	<input type="checkbox"/> Turkey	2	October 1, 2012
25.	<input type="checkbox"/> China	2	March 28, 2012

General comments



- previous cooperation!!! (“find-partners-on-the-internet” is rarely a good option)
- research cooperation - not supported but not forbidden
- mutual benefits
- further prospects (Erasmus Mundus, Framework programs)
- avoid “formal” partners
- follow the financial schedule to avoid problems at the end of the project period