

Applied statistics at University of Novi Sad - from wishes to realization -

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University of Novi Sad



Statistical thinking will one day be as necessary for efficient citizenship as the ability to read and write.

H.G. Wells (1866 – 1946)



UNS today:

14 faculties

46000 students

3000 teaching staff

1200 non-teaching staff

300 study programmes

Faculty of Philosophy

Faculty of Law

Faculty of Technology

Faculty of Economics

Faculty of Agriculture

Faculty of Technical Sciences

Faculty of Medicine

Faculty of Sciences

Academy of Arts

Faculty of Civil Engineering

"Mihajlo Pupin" Technical Faculty

Faculty of Physical Education

Faculty of Education

Teachers' Training Faculty in Hungarian



present situation at UNS:

- very large number of similar courses in statistics at faculties
- lack of professional (teaching) staff of Statistics
- staff without a doctoral degree in statistics



UNS

Faculty of Law

Faculty of Philosophy

Faculty of Technology

Faculty of Physical Education

Faculty of Technical Sciences

Academy of Arts

Faculty of Civil Engineering

"Mihajlo Pupin" Technical Faculty

Faculty of Economics

Faculty of Sciences

Faculty of Agriculture

Faculty of Education

Faculty of Medicine

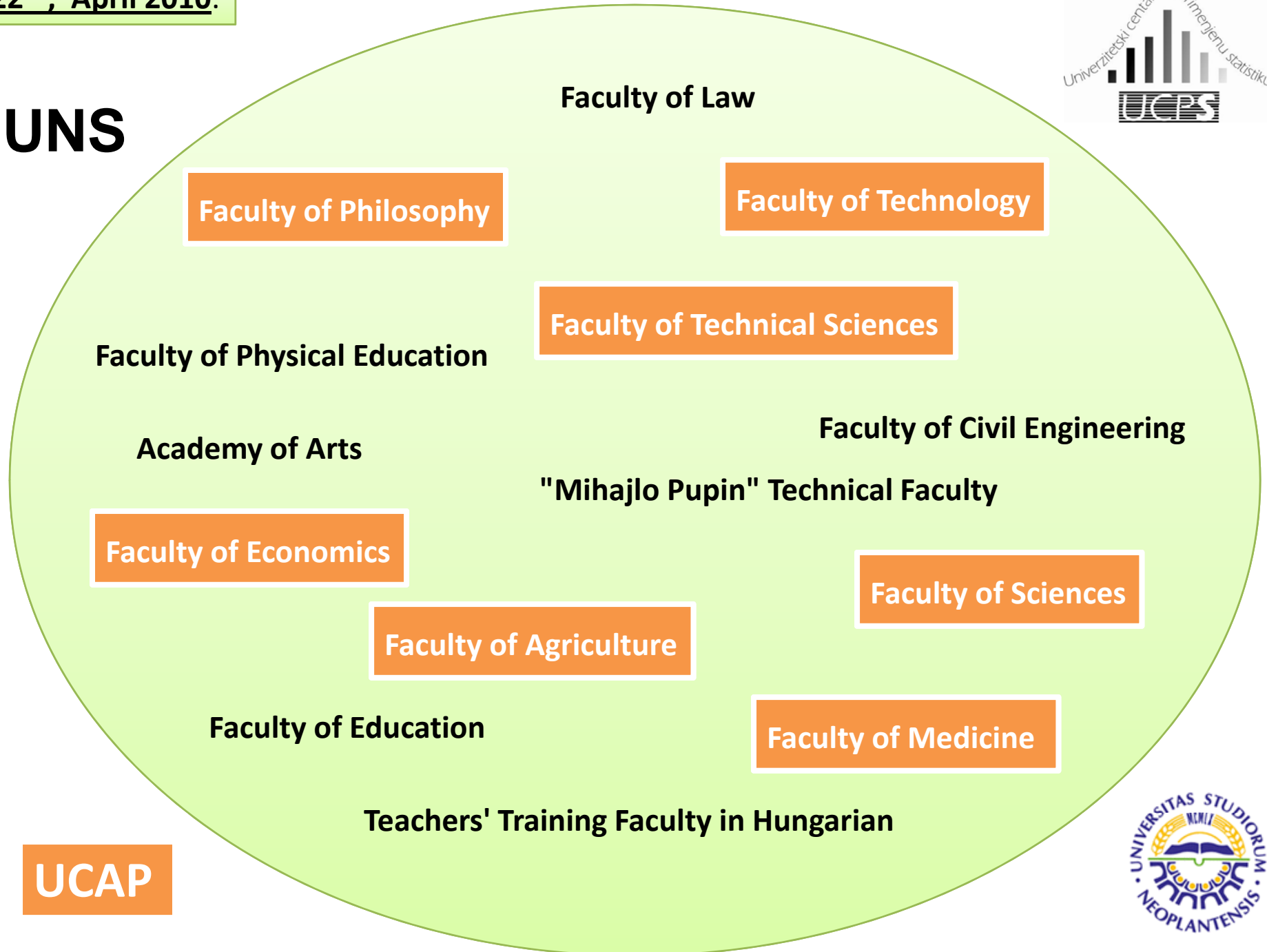
Teachers' Training Faculty in Hungarian



22nd, April 2010:



UNS



UCAP



Faculty of Sciences: Dept. of mathematics and informatics

Faculty of Economics: Dept. of Business Informatics and Quantitative Methods

Faculty of Medicine : Dept. of Social Medicine and Health Statistics with Informatics

Faculty of Technical Sciences: Dept. of Fundamental Disciplines

Faculty of Agriculture: Dept. of Agricultural Economics and Rural Sociology

Faculty of Philosophy: Dept. of Psychology

Faculty of Technology: Dept. of General Engineering Disciplines



25th, December 2009:

Agreement on teaching, scientific and technical [cooperation](#) in statistics (signed by University and seven faculties)

“The goal of this Agreement is to concentrate human and material resources in order to advance collegial and non-profit cooperation among the Agreement participants in the area of statistics.”

9th, March 2010:

Application for Tempus project

22nd, April 2010:

Decision of the Senate was set University Center for Applied Statistics

15th, October 2010:

TEMPUS project was started



Centre Activities (our wishes):



Education:

- academic masters study in applied statistics
- courses in applied statistics (available for examination and certification by the University)
- LLL courses
- help in teaching in applied statistics at the University

Research:

- application of statistics in scientific research
- consultations in the preparation of the final work (master and doctoral thesis)

Consulting:

- cooperation with industry, the community ... (data and expert analysis)

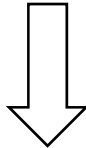
General:

Development and application of new knowledge of applied statistics for successful cooperation with other related institutions at home and abroad

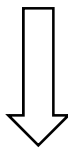
Organization of Centre:



manager



Consortium



Expert Council (internal)

Expert Council (external)



Manager Centre: prof .Zorana Luzanin



Consortium:

prof. Zorana Lužanin
prof. Andreja Tepavčević
prof. Pere Tumbas
prof. Mila Stojaković
prof. Vera Grujić
prof. Petar Milin
M.Sc. Emilija Nikolić-Đorić
prof. Radvan Omorjan

Expert Council (internal):

prof. Eržebet Ač-Nikolić
doc. Antun Balaš
prof. Nataša Krejić
prof. Petar Milin
M.Sc. Emilija Nikolić-Đorić
prof. Radovan Omorjan
prof. Danijela Rajter-Ćirić
prof. Mirko Savić
doc. Dora Seleši
prof. Mila Stojaković

Expert Council (external):

Call

Expert Council (external)(items of the Regulations)



Article 11

Expert Council is auxiliary body of the Centre.

Article 12

The Expert Council is appointed by the Consortium from the national and international experts in the field of statistics who are not employed at the University of Novi Sad for the purpose of external quality assurance and has at least three and a maximum of seven members.

The Expert Council is appointed as needed, and at least once every two years.

Article 13 (Jurisdiction of the Expert Council)

Experts Council:

- give an opinion on the quality of teaching and scientific activities of the centre
- suggests activities to enhance performance of Centre



Plan activities for 2011:

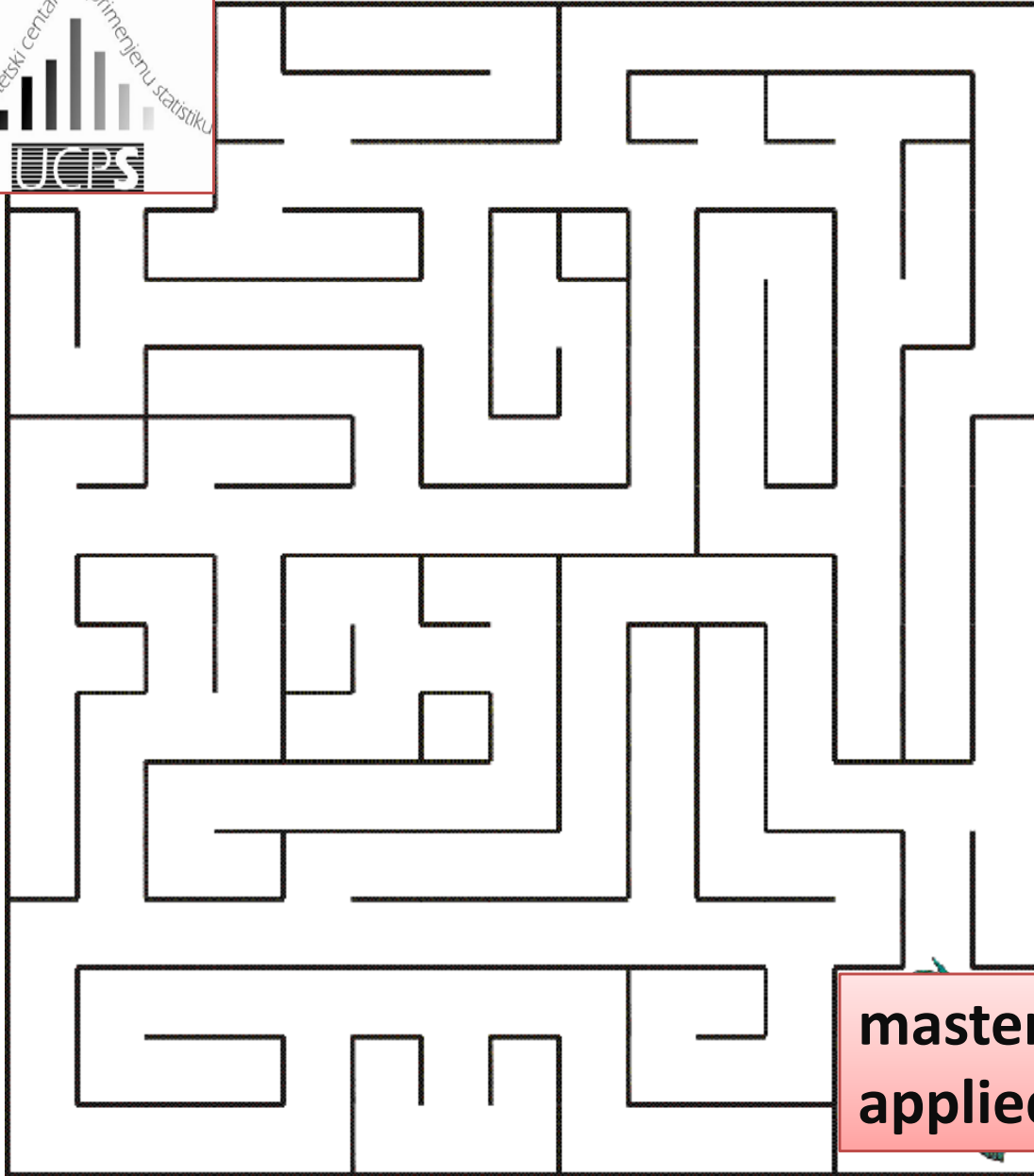


**January 2011:
module for PhD students and (young) researchers**

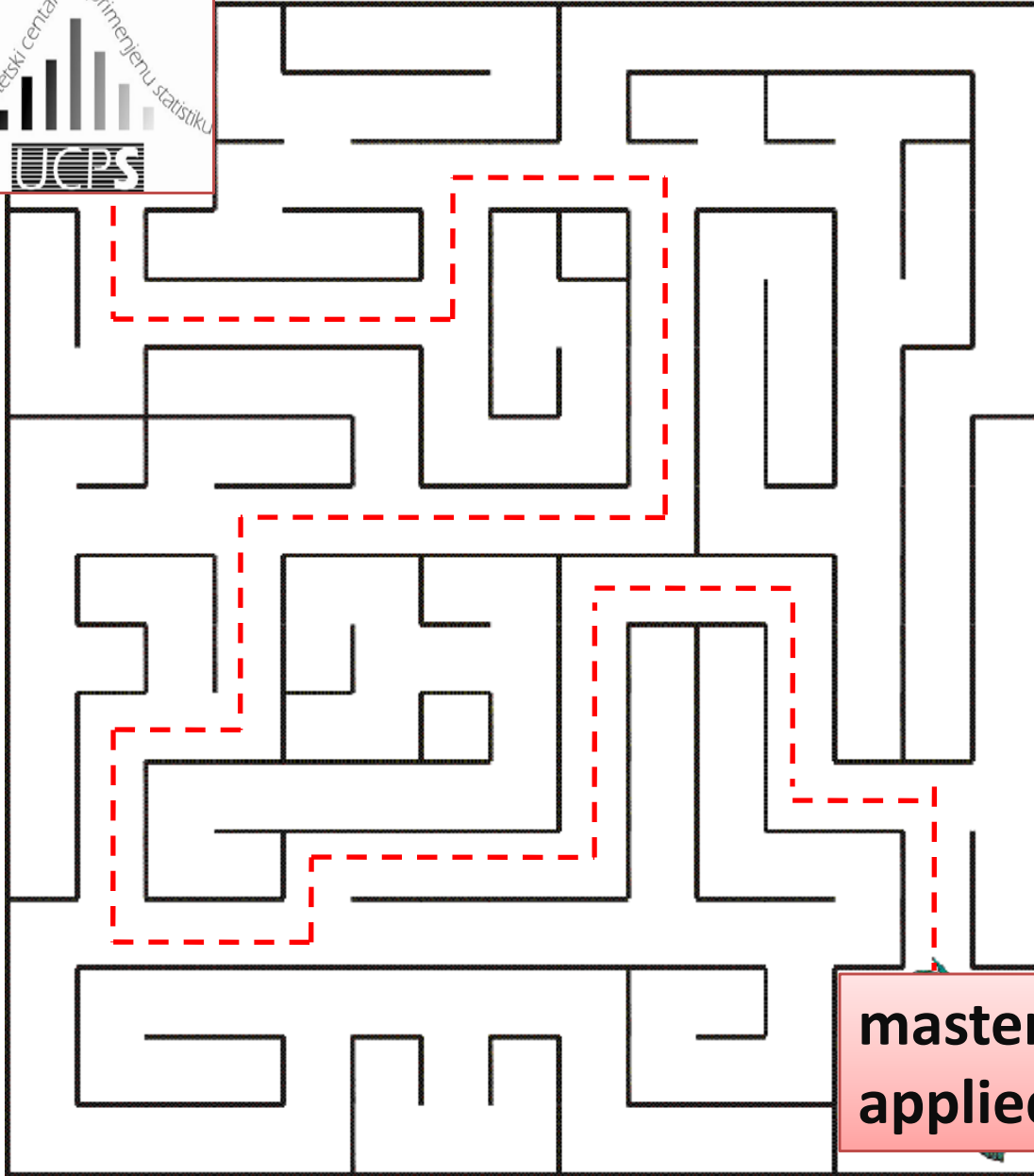
**In 2011:
the preparation of the study program and accreditation**

**January-June 2011:
purchase of statistical software, equipment and literature**





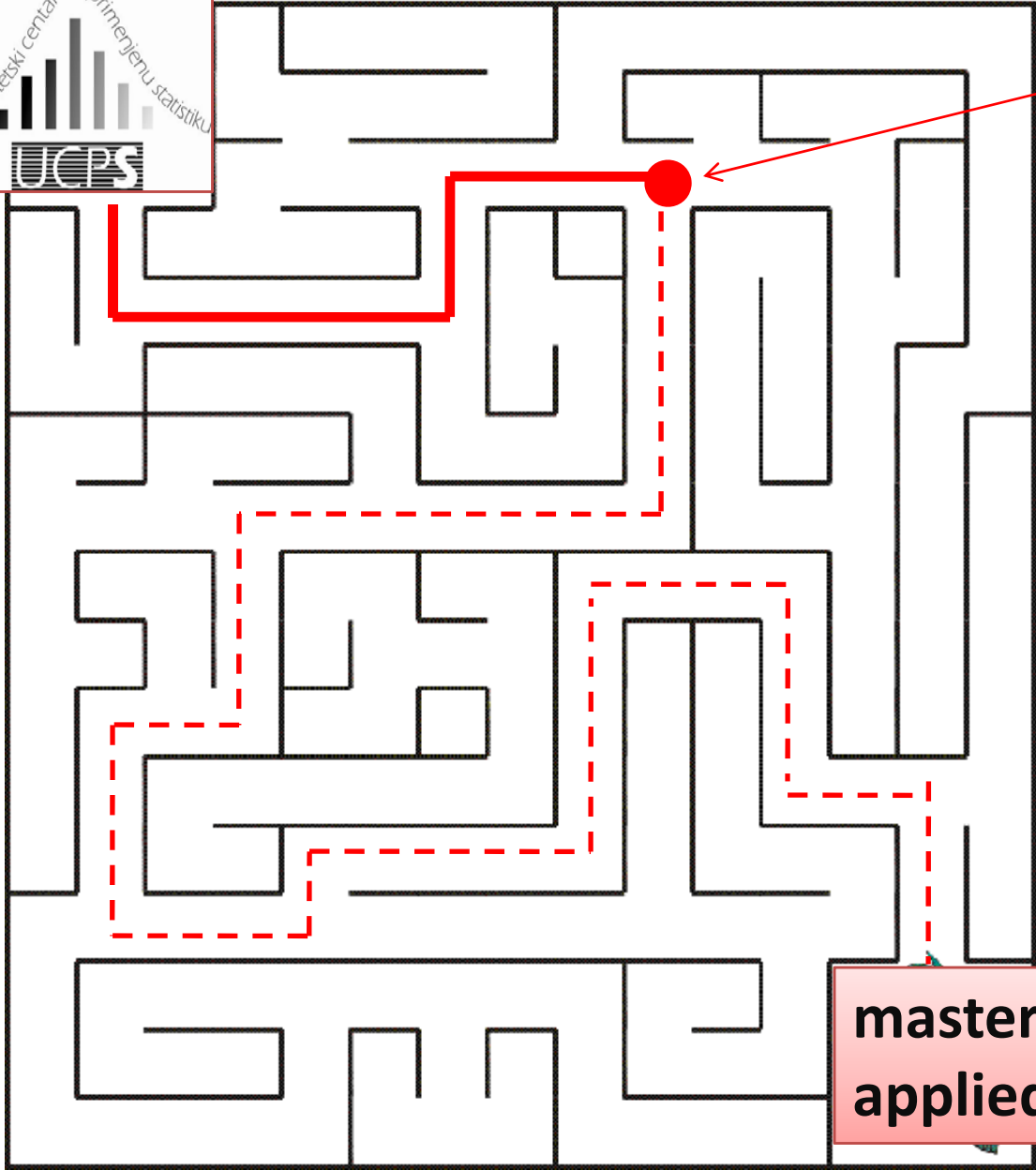
**master study in
applied statistics**



**master study in
applied statistics**



today



**master study in
applied statistics**

Thank you for your attention.

25th, December 2009:

cooperation is achieved through the following activities :

➤ **launch of a joint degree master program in applied statistics;**

➤ **organization and realization of courses in applied statistics for students and staff at the University and beyond;**

➤ **applications for projects in order to strengthen the teaching process and research in the field of statistics;**

➤ **connecting the staff for the successful cooperation in development and application of new knowledge with other related domestic and foreign institutions;**





module for PhD students and (young) researchers

subject	hours active teaching
Methods for data collection	4
Analysis of continuous data	4
Time series	4
Cluster analysis	4
Bayesian statistics	4
Statistics in Practice	4

proposed structure of the curriculum:

10th December 2010

