

# Accreditation of Doctoral Study Programmes in Serbia

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**“Doctoral education is one of the most distinctive and important activities of the contemporary research university.”**

F. Rhodes, former President of Cornell University

**The creation of the European Research Area is central to the Bologna Process.**

**The integral part of the Bologna Process is the improvement and the organisation of PhD study programmes .**

**Doctoral studies are third cycle in the Bologna process (Berlin Communiqué 2003.)**

**Serbia** joined the Bologna Process in 2003.

**Following the Bologna reform Doctoral's programmes are in use in Serbian HEIs since 2006.**

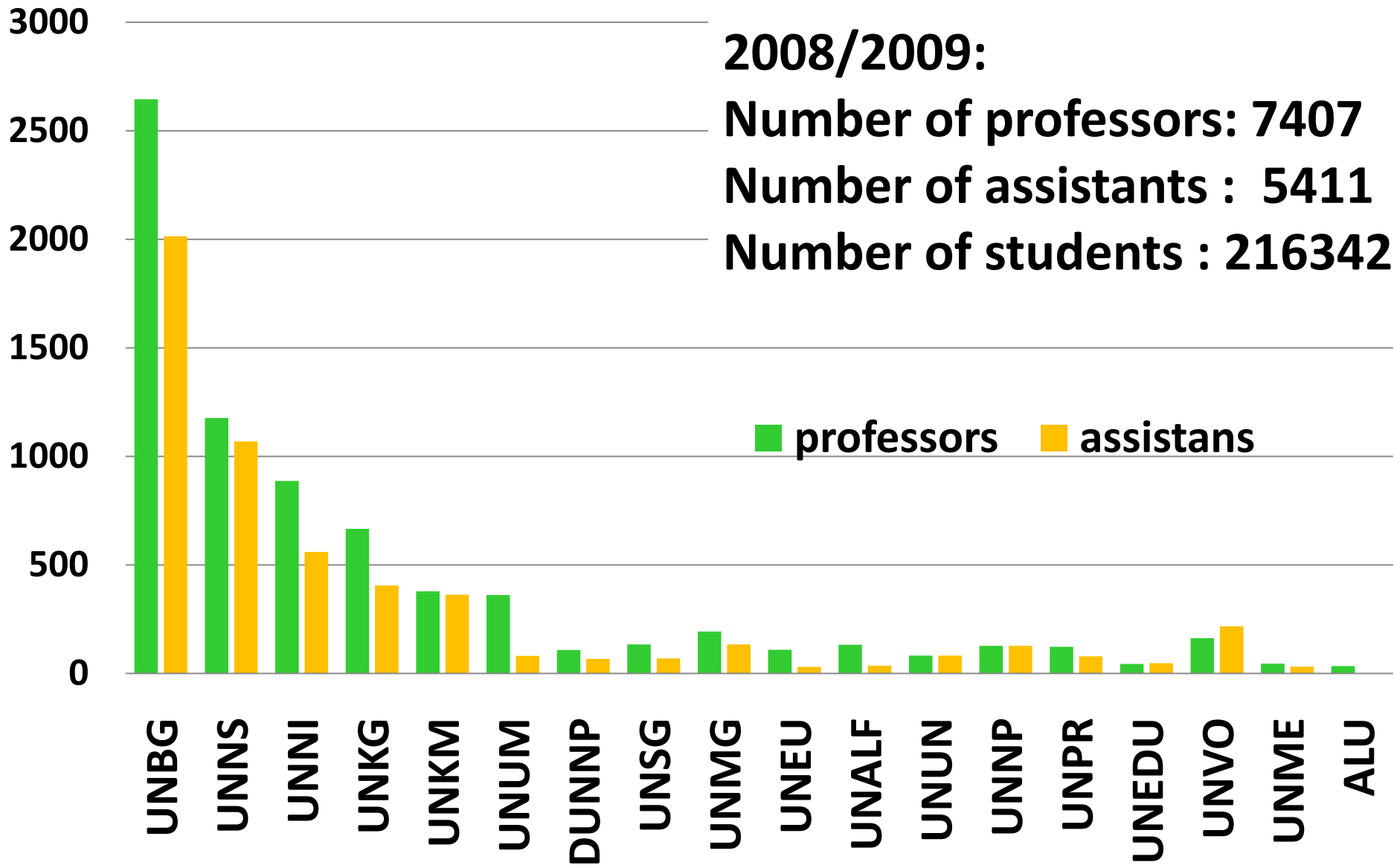
# THE HIGHER EDUCATION AT UNIVERSITIES

2008/2009:

Number of professors: 7407

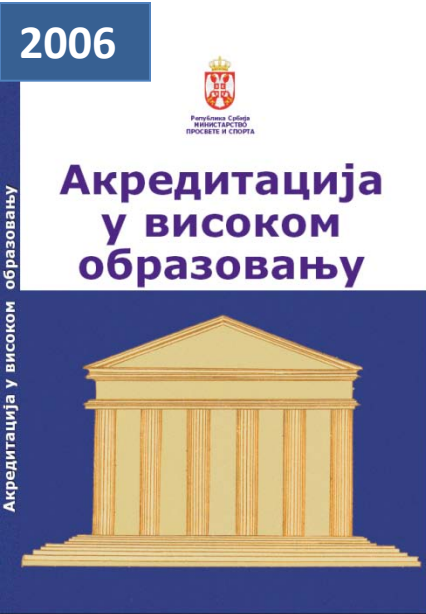
Number of assistants : 5411

Number of students : 216342



7 state	6 private	5 new formed
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# Accreditation method and mechanism in Serbia



Accreditation involves **the published set of standards and procedures.**

Accreditation effectively provides a license to operate.

The accreditation includes self assessments the institution or programmes.

Accreditation is based on an evaluation of whether the institution or programme meets specified **minimum standards** such as staff qualifications, research activities, student intake and learning resources.

- **Doctoral degree programmes in Serbian HEIs have a standard length of 3 years (180 ECTS).**
- **Admission to a doctoral programme is conditional on completion of a master's degree programme.**
- **Doctoral programmes are aimed at scientific research and independent creative activities in the area of research or development, or independent theoretical and creative activities in the area of fine arts.**

- **The studies are completed by the doctoral examination, which includes the presentation and defence of a doctoral thesis.**
- **The thesis must contain original and published results, or results accepted for publication.**
- **Graduates of doctoral degree programmes are awarded the degree of doctor, abbreviated as PhD.**
- **Doctoral degree programmes are delivered by all HEIs university type.**

# **Mentoring system**

**Every PhD student has one mentor, who is member of staff of the university who takes full responsibility for the overall management and supervision of the student's training and research project.**

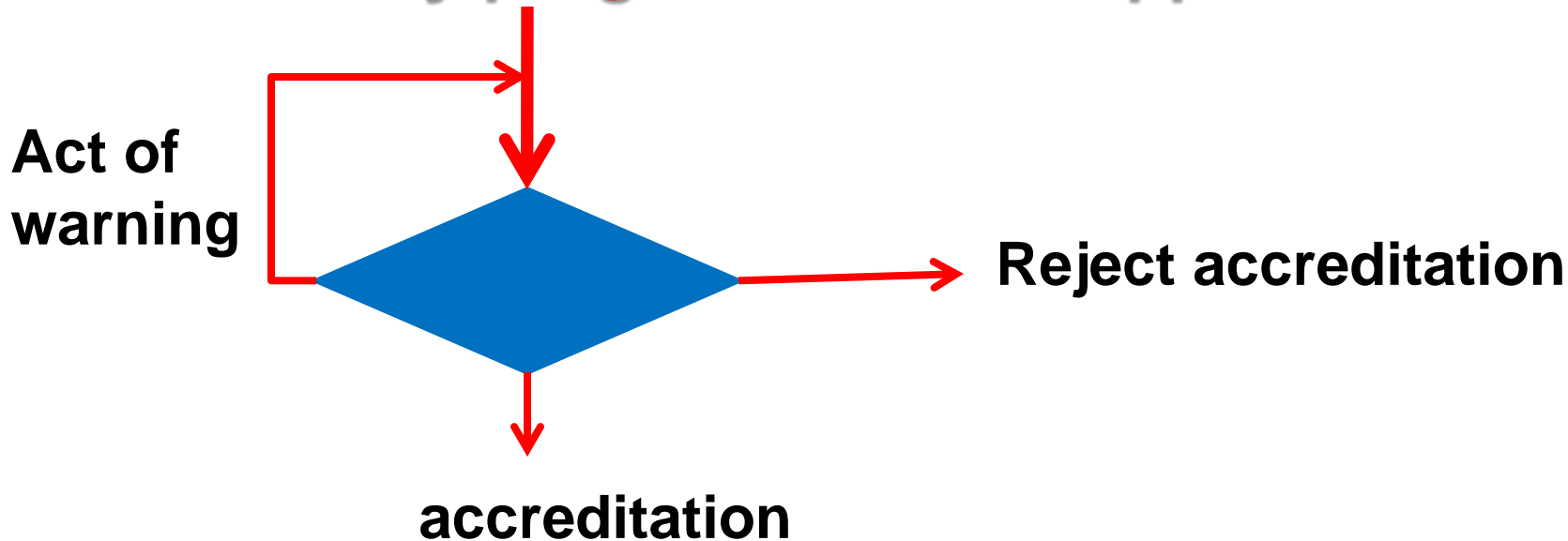
**First and foremost, the mentors should be active permanent academic staff and researchers with good records of achievement and publication.**

**There are defined criteria on the suitability of persons in the university as mentors of PhD students.**

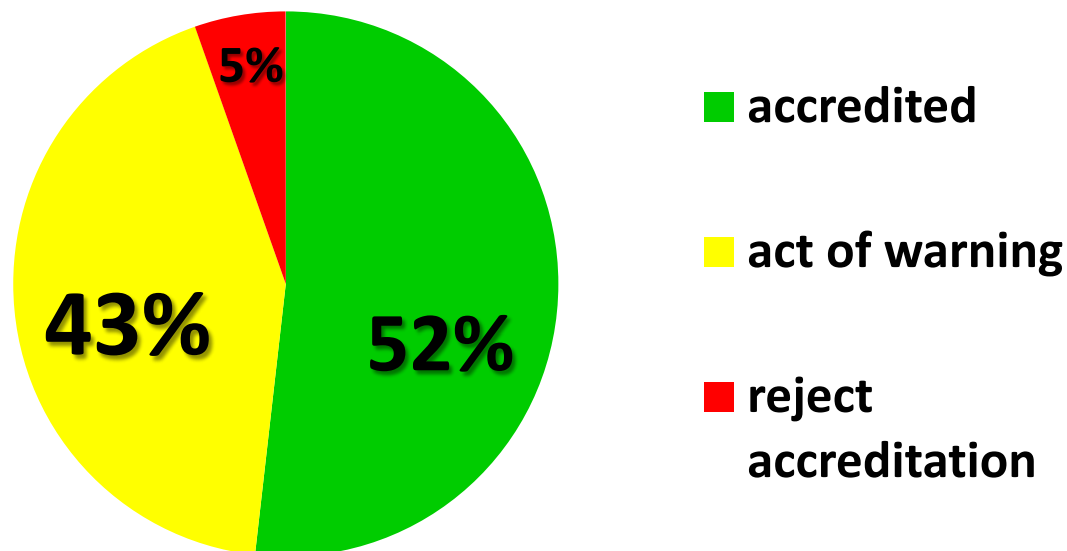
**There is a procedure that ensures that a mentor is capable of taking on a proposed number of new students (maximum five candidates at the same time).**



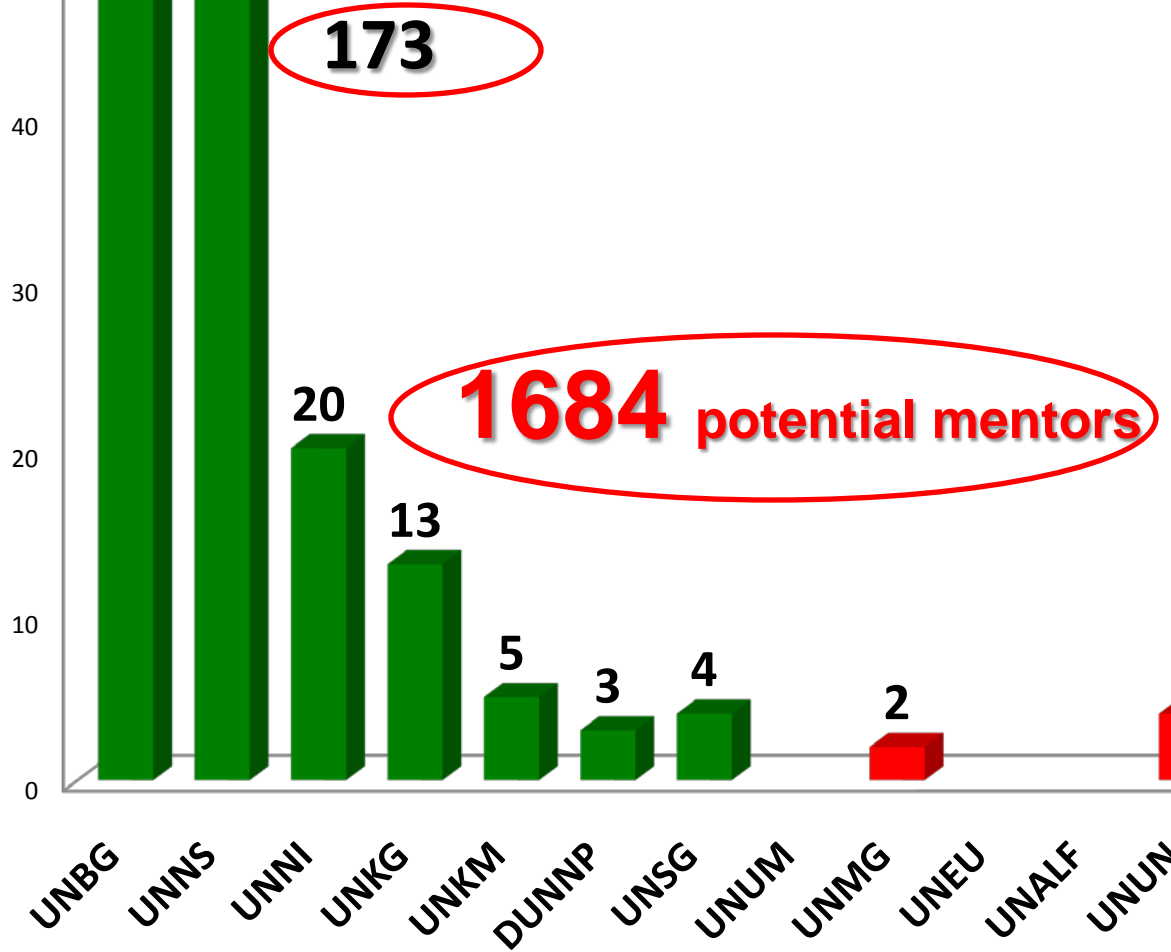
# Doctoral study programmes :222 applications



## Initial, first accreditation decision:



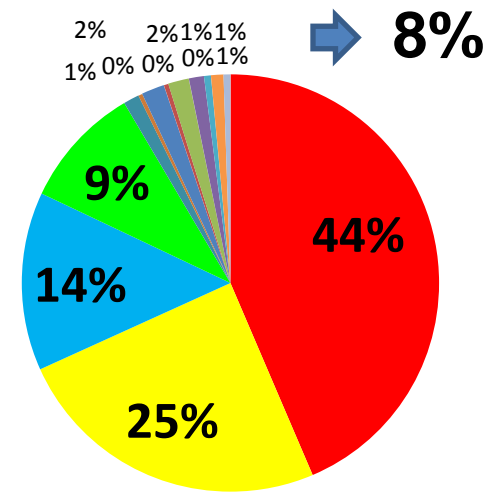
# Number of accredited (2008-2010) Doctoral study programmes



**173**

**1684 potential mentors**

- UNBG
- UNNS
- UNNI
- UNKG
- UNKM
- DUNNP
- UNSG
- UNMG
- UNUN
- UNPR
- UNEDU
- UNVO
- UNME

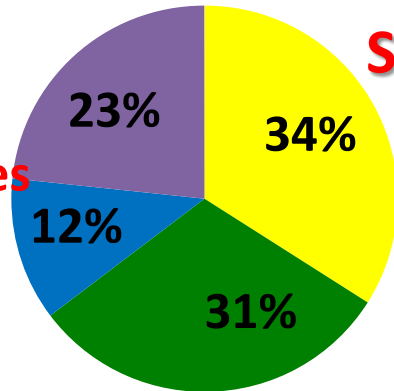


Number of places for student enrollment to doctoral study programmes **2807**

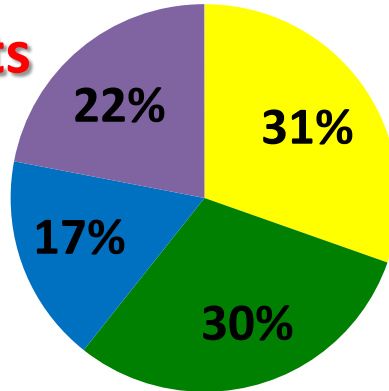
# Doctoral study programmes in different fields:

- technical and technological sciences
- humanities and social sciences
- medical science
- natural sciences and mathematics

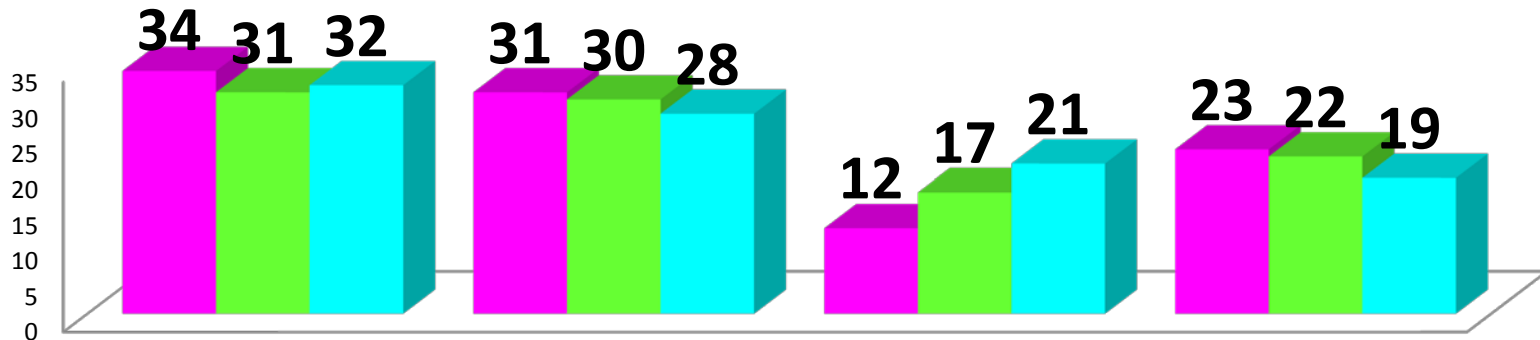
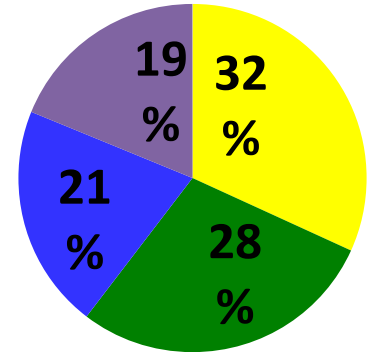
**Accredited study programmes**



**Students**



**PhDs awarded in 2008.**



technical and technological sciences

humanities and social sciences

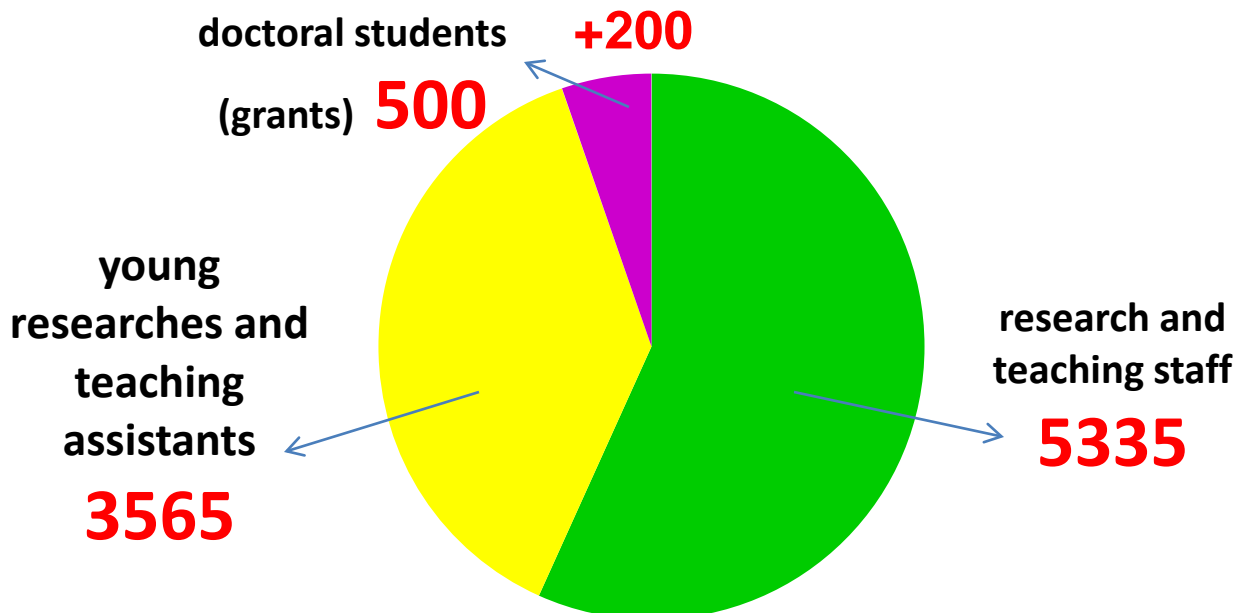
medical science

natural sciences and mathematics

**(1.01.2010)**

- Research and development in the Serbia is carried out by higher education institution (HEIs) institutes (university or non-university) and Serbian Academy of Sciences and Arts.
- R@D is carried out predominantly at state HEIs.
- Private HEIs carry out very limited research activities.

**total number:  
9400**

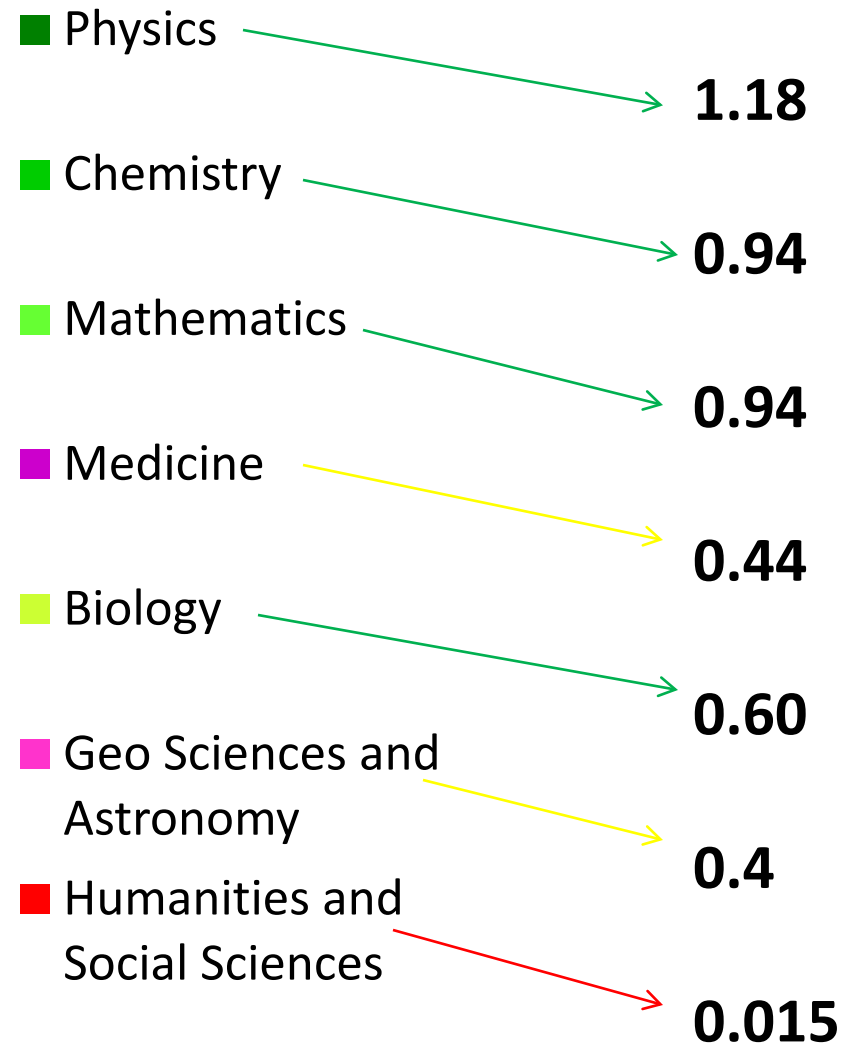
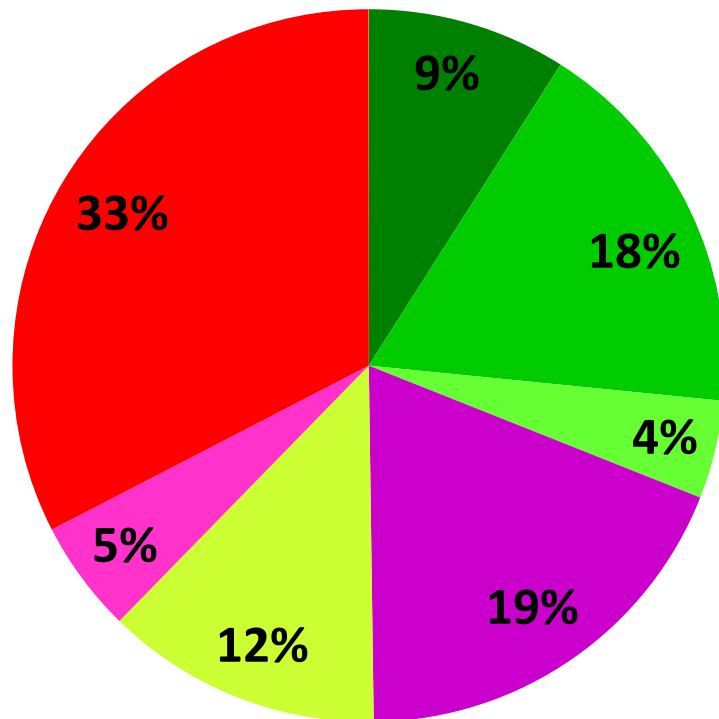


	<b>Publications in international journals (2008 2009) SCOPUS</b>	<b>PhD awarded in 2009.</b>
<b>University of Belgrade</b>	<b>1936</b>	<b>331</b>
<b>University of Novi Sad</b>	<b>629</b>	<b>164</b>
<b>University of Nis</b>	<b>425</b>	<b>50</b>
<b>University of Kragujevac</b>	<b>272</b>	<b>35</b>
<b>University of (Pristina) Kosovska Mitrovica</b>	<b>27</b>	<b>22</b>

**researchers in basic sciences: 5779  
(56%) of total number of researchers  
(2008)**

# Research intensiveness

Number of SCI or SSCI publications  
/ number of researchers (2008)



# Main challenges:

- to develop and implement international joint degrees of doctoral study programmes
- to promote and support the PhD student and staff mobility
- to make the system of higher education more flexible and responsive to the needs of the labour market and of the knowledge society
- to provide more effective mechanisms of international research cooperation
- to increase percentage of research and education funds w/r to the GDP.

# National Council for Higher Education (NCHE)

The National Council for Higher Education is an independent body, made up of **16 members**, appointed by Parliament (2006.). NCHE is the supreme body making strategic decision, ensures the development and promotion of the quality of higher education.

<http://nsvo.etf.rs/>

## Commission for Accreditation and Quality Assurance (CAQA)

CAQA members are elected by the National Council (2006.) from among renowned full professors, artists and experts, at the recommendation of the Conference of Universities.

The Commission consists of **15 members**, three members from each particular educational-scientific and/or educational-artistic field from various areas.

CAQA is responsible for organizing and monitoring the quality assurance scheme for all HEIs in Serbia.

<http://www.kapk.org/>



## doctor of.....

biological science  
ecological sciences  
geo-sciences  
mathematical sciences  
astronomical sciences  
environmental sciences  
computer sciences  
physical sciences  
physico- chemical sciences  
chemical science

engineer of occupational safety  
mechanical engineer  
doctor of science – organizational  
sciences  
mining/geological engineering  
traffic engineering  
technological engineering  
metallurgical engineering

science of librarianship /archiving/museology  
economic sciences  
historical/archeological sciences  
culture sciences /communication  
management and business  
pedagogical sciences  
method of teaching  
political sciences  
legal sciences  
psychological sciences  
sociological sciences  
philosophy  
doctor of theology  
philological science  
Arts sciences

veterinary science  
medical science  
Ph.D. spec.educ &rehab.  
Ph.D.dent. sciences  
Ph.D. in pharm.  
Ph.D.phys.edu. sport & kinesi therapy