



**FACULTY OF FORESTRY  
UNIVERSITY OF SARAJEVO  
Bosnia-Herzegovina**

**The advancement of the teaching process at the Forestry Faculty of the University of Sarajevo in line with the principles of the Bologna process**

**Mirza Dautbašić & Ćemal Višnjić**

# General information



- Sarajevo University is the oldest University in Bosnia and Herzegovina, setting the standard for others. It consists of 25 Faculties and Academies, five Institutes and five University Centres, and has about 35,000 students.



# Forests and Forestry education in B-H

- FoF SA established 1946.
- More than 50% (63%) of all Bosnian territory belongs to forests and forestry land.
- Until 1992. only one FoF (Sarajevo)
- 2012.- 4 Faculties

# Faculty of Forestry



- Belongs to the group of bio-technical Faculties.
- Two study programs (divisions): Forestry and Horticulture.
- Until 2005, teaching at the Forestry Faculty followed the old system of a four-year degree course followed by two years of masters' and doctoral studies. Since 2005, teaching has followed the Bologna principles, in the form of two cycles (3+2).

# Faculty of Forestry



- The third cycle, doctoral studies, will start at the Faculty of Forestry this academic year, 2013/14
- 637 students
- labour market demands
  - no unemployed forestry graduates in B&H

# ORGANISATION

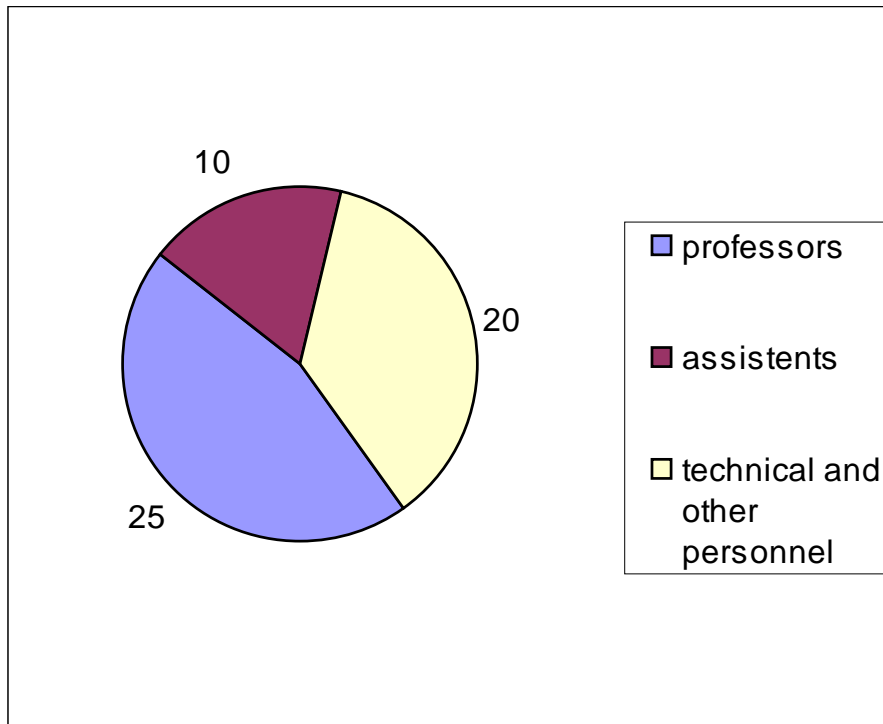
## 7 Chairs:

- Chair for policy and economics in forestry and horticulture
- Chair for forest and urban greening ecology
- Chair for silviculture and urban greenery
- Chair for forest and urban greening protection, wildlife and hunting
- Chair for forest utilization
- Chair for forest management
- Chair for planning and construction in forestry and horticulture
- Chair of general subjects
- Institute for Forestry and Horticulture
  
- Field education facilities: arboretum Slatina, alpinetum Trebević, educational centre Čavle – Igman

# Training centre - "Čavle" - Igman



# Staff:



- 55 employees
- 25 professors
- 10 assistents
- 20 technical and other personnel



# Students

Faculty of Forestry		
Number of students	Forestry	Horticulture
I cycle	189	43
II cycle	59	16
Master study (old system)	5	1
Doctoral study Bologna	-	-
Doctoral study (old system)	4	-
Total	247	60
Total	307	
Before Bologna	80	
Number of students that renewed the semester (all academic years)	Approximately 250	
TOTAL	637	

- In this academic year 2013/2014, more than 50 percent of students were drop out academic year or have not completed their studies.

# Teaching at the Faculty

Teaching staff	Sstudents	Subjects I and II cicle
25	670	160
Student per professor	27	
Subject (Module) per professor average		6,5
Teaching hours per week per one professor (averagee)	9,2	

- insufficient number of teaching staff
- large number of subjects
- a large number of subjects per profesor
- a large number of teaching hours per week per professor

# Teaching at the Faculty


Since Bologna, the teaching process has been much more varied.

- Some of the teaching staff “send the students back to secondary school”, requiring them to listen, to attend lectures and practices on a regular basis, without expecting them to take an active part during the classes.

# Teaching at the faculty



- But some of the staff are applying Bologna by calling on the students to be actively involved in researching process and work on certain topics, using a variety of sources and teaching equipment in the teaching process.



# Teaching at the Faculty

As a result of this we have:

- a very small pass rates of students, and
- a low average final grade of students that finished the study

WHY?



# Students

- Poor quality and knowledge of candidates from secondary school that enroll Faculty of Forestry
- Low interest in studying at the Faculty of Forestry of good quality secondary school graduated students
- Bad image of forestry sector in society
- Passivity of students

# Students

- Bad economic and political situation in the country.
- Poor financial situation of students- they have to work to finance their studies, that is contrary to Bologna process.
- Certain number of students are enrolled at the FoF in formal, in order to realize some of the benefits.



# Equipment and facilities

- On a one student belongs to 2-3 square meters of working space, which is not enough.
- There is no digital access to the library
- Laboratories with old equipment.



# Teaching staff

- Insufficient number of teaching staff (on average, the teacher has twice the norm than it is planned )
- Different approach of some professors to teaching process according to Bologna process
- Evaluation of teachers by students is not implemented



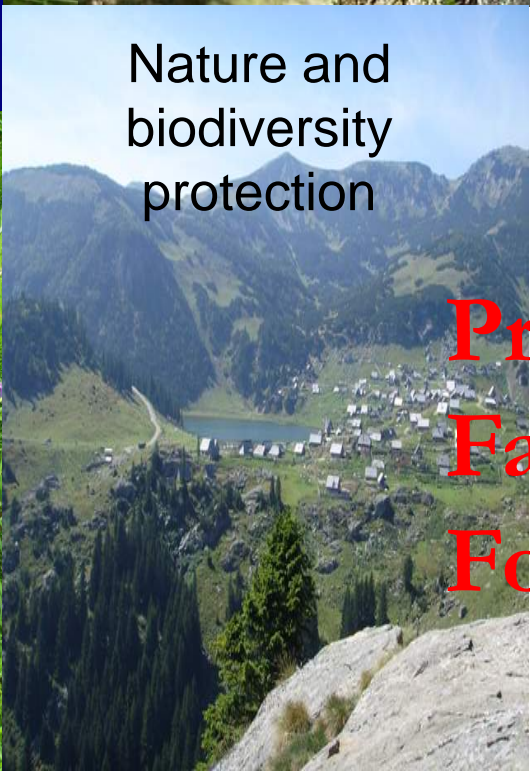
**WHAT TO DO IN THE FUTURE?**



Mushrooms – NWFPs but also cause of forest diseases



Wildlife protection and hunting




Nature and biodiversity protection

**Promote the Faculty of Forestry!!!!**



# What to do in the future

- Modernisation of library with electronic access to informations and the digitalisation of the journals.
- Modernisation of laboratories and allow students to access to modern equipment for research work and finalisation of their diploma thesis.



# What to do in the future

- Improve of the educational process and align it with the Bologna principles
- Develop an interactive approach to teaching between teachers and students
- Inovation of curricula for I and II cycle
- Implementation of teacher evaluation



# THANK YOU FOR ATTENTION



University of Sarajevo

Faculty of Forestry

Zagrebačka 20

Tel: + 387 33 81 24 90

Fax: + 387 33 81 24 88

[www.sfsa.unsa.ba](http://www.sfsa.unsa.ba)