



**FORESTERRA**

Enhancing Forest RESearch in the MediTERRanean  
through improved coordination and integration



# Faculty of Forestry University of Sarajevo

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D E A N

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

- The Faculty of Forestry Sarajevo (SUFASA) is the oldest member of the University of Sarajevo and the most developed high education and research institution in forestry and landscape management in Bosnia and Herzegovina.
- Founded in 1948.
- More than 2.000 forest engeneers, 50 master of forest science and 40 PhD so far.





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- Organised in two departments (Forestry and Landscape management) and 6 chairs (Forest Economics, policy and organisation, Forest protection and protection of Urban greenery, Forest silviculture, Forest utilisation and construction, Forest ecology, Forest management).
- Institute for Forestry and Horticulture

## Research priorities

- Main activities of our institution are education and research in the field of forestry, urban forestry and horticulture. (economics and policy, planning and management, ecology, silviculture, seedling, nursery and afforestation, utilisation and forest communications, and protection).



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## Research

- Total evaluation of forests
- Demands of the society towards forests
- Protected areas management
- Forest ecosystems diversity
- Genetic diversity of forest trees
- Analysis of sexual versus asexual reproduction mode
- Large carnivores populations research
- Game management
- Different techniques in silviculture
- Conversion of depredated forests
- Re-forestation of extreme forest stands
- Monitoring service in forest protection
- Forest biomass and energy
- Forest certification and corporate responsibility



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- Work and time study in forest harvesting operations
- Research of wood products and related areas
- Ergonomics research related to forest utilization
- Research the influence of the negative effect of harvesting and logging techniques on forest
- Research and design of erosion control and sanitation methods on forest roads and slopes
- Research of environmentally sound forest road planning, design and construction in steep terrain
- Conflicts in forestry sector
- Private forestry policy
- Blanced score cards and benchmarking in forestry

## Future perspectives in the forest research domain

- Impact of recent climate changes on forest ecosystems in different areas:
  - Vegetation changes,
  - Invasive species,
  - Changes of forest management practice

## Main past and current projects

- 2012-2015, IPA Adriatic CBC Program, Adriatic Model Forest (AMF-2<sup>o</sup>ord/0085)
- 2102-2016, COST Action FP1201 - Forest Land Ownership Changes in Europe: Significance for Management and Policy (FACESMAP)
- 2102-2016, COST Action FP1203 - European non-wood forest products (NWFPs) network
- 2102-2016, COST Action FP1204 - Green Infrastructure approach: linking environmental with social aspects in studying and managing urban forests (GreenInUrbs)



- 2102-2016, COST Action FP1207 - Orchestrating forest-related policy analysis in Europe (ORCHESTRA)
- 2012-2016, COST Action TA 1201 - Gender, Science, Technology and Environment (GenderSte)
- 2012-2015, Faculty of Forestry University of Sarajevo, Harmonization of Forest Policy in the Federation of B-H with EU Requirements
- 2012-2014, WWF European Policy Office, Promotion responsible forest management to support sustainable development in Bosnia-Herzegovina



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- Evaluation of bark beetle outbreak – Forestry Programme in Bosnia-Herzegovina -Phare, (1998);
- Preparation of a Multi Country Forestry Programme, - Phare project, (1999);
- “Morphological differentiations between populations of *Pinus heldreichii* Christ (Bosnia Pine) in Bosnia, Kosovo and Albania”- STABILITY PACT FOR SOUTH EASTERN EUROPE and DAAD;
- “*Modélisation de l'expansion d'un ravageur urticant liée au réchauffement climatique*” (ECONET 21339RD);
- Forest management planning study- Phare Project (2000)



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- Identifying og High Conserravtion Value Forests (HCVF) in Bosnia-Herzegovina;
- Pathway Evaluation And Pest Risk Management In Transport (PERMIT)- COST FP 1002;
- Building capacity to met the chalenges of multi- level democracy the case of species with trans boundary populations (2008-09);
- Re-creation of Balkan net, a network of conservation bodies 2008-2009 sharing continous large carnivore populations;
- European Masters Program in Management of Ecological and Sustainable Tourism,
- FOPER



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- Global Biodiversity and Environmental Changes in the Mediterranean Region – **NATO – Science For Peace and Security Programme, Colaborative Linkage Grant, 2009-2011.**
- Les plantes emblématiques comme indicateurs des processus microevolutifs dans les Balkans occidentaux – **EcoNet program, Le ministère des Affaires étrangères de Republique Francaise, 2007-08.**

## List of available infrastructures



- Training centre Čavle-Igman mnt.
- 30 km from Centre of Sarajevo
- 20 km from the Airport,
- 3 km from Virgin Forest



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## Alpinetum „Trebević“



Founded 1948.

## Arboretum „Slatina“



## Laboratories and equipment

- DNA laboratory (molecular markers in genetic studies, forest pathology, entomology and wild life organisms),
- Laboratory for Chemistry and Plant Physiology,
- Laboratory for Forestry protection (Entomology and Plant pathology),

## Laboratories and equipment

- GIS laboratory,
- Laboratory for seed quality analyses,
- Herbarium,
- GPS, GIS, and other measuring instruments for Inventories
- Resistograph (RINTECH),
- Rinntech Schalltomograph ARBOTOM...





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**Does your institute have a specific policy of access to these infrastructures by other national/international institutes? NO**

**Do you have any experience in mutual opening and transnational access of infrastructures? NO**



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## Transnational collaborations (European and international)

- Members of SILVA network.
- The primary objective of the SILVA Network is to stimulate and facilitate educational co-operation in the field of Forestry in Europe.
- The secondary objectives will be realised at four levels:
  - Students: to make it possible for students to carry out part of their studies abroad
  - Teachers: to stimulate and facilitate sojourns of teachers abroad
  - Curriculum: to encourage the exchange of information on the development of curricula and the development of joint curricula
  - Courses: to stimulate and facilitate the development of joint courses
- <http://www.silva-network.eu/>

## List of Institutes with active cooperation

- EFI – European Forestry Institute,
- Croatian Forestry Institute- Jastrebarsko,
- Slovenian Forestry Institute- Ljubljana,
- Institute of Lowland Forestry and Environment- Novi Sad,
- Institute of Forestry- Belgrade,
- INRA- France,
- Di.V.A.P.R.A- Torino,



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- CNR- Firenze,
- UniSUBRIA- Varese,
- WSL- Zurich,
- Institute of Forest Entomology, Forest Pathology and Forest Protection –BOKU-Vienna,
- Austrian Federal Research and Training Centre for Forests, Natural Hazards and Landscape – BFW- Vienna,



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- Norwegian Institute of Land Inventory -Ås,
- National forest centre- Zvolen,
- Institut des Sciences du Végétal, CNRS  
UPR 2355, 91198 Gif-sur-Yvette, France
- - CNRS, AgroParisTech, Ecologie, Système  
matique, Evolution, Université Paris-Sud,  
Orsay Cedex, France,
- LSP- Teisendorf



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## Which are the direct outputs from this collaboration?

- Realisation and supervision of PhD thesis (Cotutelle thesis),
- Joint publications,
- Exchange and transfer of methodology in different scientific areas



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## Transnational collaboration

**Which is your interest in creating Transnational Joint Research Units?**

- **Taking a part in joint research projects,**
- **Exchange of different ideas and experience and their application into forest practice,**

**Which are the positive outputs you expect from this type of collaboration?**

- **Assimilation a best European forest practice and solving the problems in the forest**

**Do you identify any drawback?**



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Thanks for your attention!!!