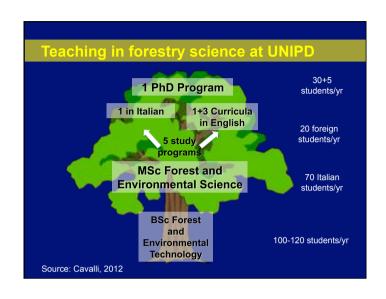


Outline

- HE system related to forestry at University of Padova
 - The Bachelor course
 - The Masters (1 in Italian; 1+3 in English)
 - The PhD
- The QA system
- Conclusion



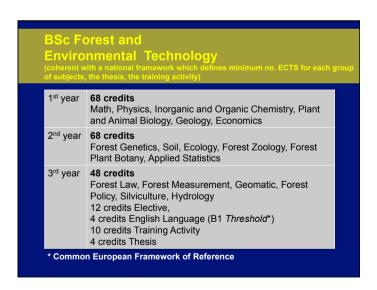


General objectives of teaching (Padova) (2/2)

- -Expert in environmental education
- -Expert in watershed management
- Expert in management of protected areas and wild fauna
- ... mainly in a position of consultant (reduced employment opportunities as employee by the public sector), often working in mountain areas (high concentration of forest and natural areas)

General objectives of teaching (Padova) (1/2)

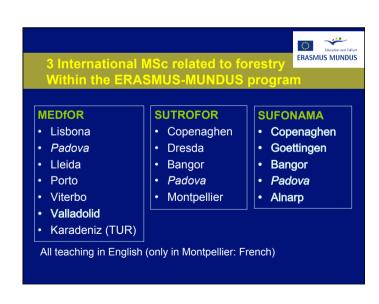
- A clear proposal to the students: a professional profile is reached with an educational program 3+2
- Within the national targets:
 - Expert in forest management (forest inventory, forest protection, wood harvesting, marketing and processing of forest products)



MSc Forest and Environmental Science (curriculum in Italian) (coherent with a national framework which defines minimum no. ECTS for each group of subjects, the thesis, the training activity) 1st year 20 credits Ecological Land Planning, Fluvial Morphology, Applied Silviculture 28 credits Specialization 2nd year 26 credits Specialization 8 credits Elective 4 credits Elective 4 credits English Language (B2 Vantage*) 30 credits Thesis *Common European Framework of Reference

MSc Forest and Environmental Science (curriculum in English) 46 credits 1st year Forest Policy, Valuation and Assessment of Forest and Environmental Goods and Services, Forest and Hillslope Hydrology, Forest Landscape Management, Forest Pathology and Wood Alterations, Integrated Watershed Management, Global Change and Forest Ecosystems 2nd year 26 credits Insect Ecology and Biodiversity Management, Mountain Fluvial Morphology and Stream Restoration, Wildlife Conservation and Management, Wood Harvesting and Transportation Systems 8 credits Elective 4 credits Advanced Informatics 4 credits English Language (B2 Vantage*) 30 credits Thesis * Common European Framework of Reference

MSc Forest and Environmental Science (specialization in Italian) After the Bachelor the student enters the 2nd cycle where he/she has 5 +1 options (the last option is his/her personal study program officially approved by the University Study programs Forest and Environmental Science Land Protection Mountain Area Development Environment and Biodiversity Management Planning and Management of Green Areas



General structure

- 120 ECTS 60 (1st year 2 semesters) + 30 (2nd year 1 semester) + 30 for the thesis
- 1st year in one university (general topics) + 2nd year of specialization in another partner university with thesis work, preferably with an associated partner
- A common field course (between the 1st and the 2nd year for SUTROFOR and SUFONAMA, between the 1st and the 2nd semester for MEDfOR); 9-15 ECTS
- Double or preferably a joint degree
- Some common on line courses (Research methodologies, Climate change economics and policies, Field course preparation)







PhD School:

Land, environment, resources and health

- Animal science
- · Managerial engineering and economic evaluation
- · Crop production science
- · Biotechnology and bio-chemistry
- Viticulture, enology and marketing in the wine sector

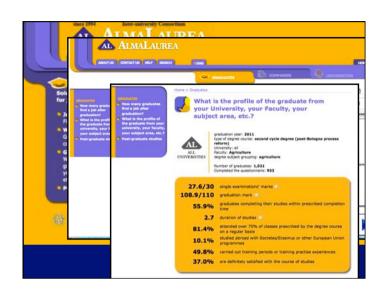
TERRITORIO, AMBIENTE RISORSE E SALUTE

Quality Assurance Links with the professionals

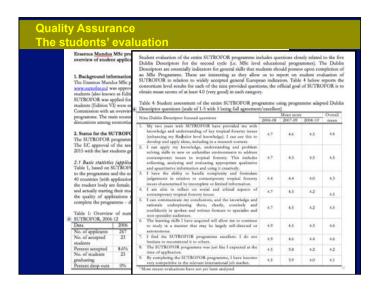
- Good and frequent links with the Association of Chartered Agronomists and Forests:
 - they are invited to make comments and suggestions on the Bachelor and Master courses organization
 - Moreover, to practice the professional activity, postgraduates have to pass a State examination organized by a mixed Commission with a majority of members from the Association → direct control of the contents and acquired knowledge of the young graduates

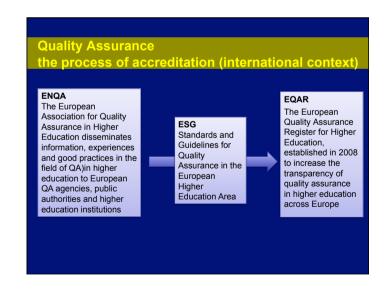


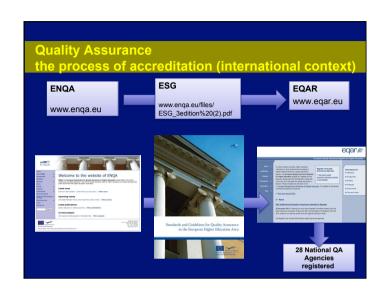
Quality Assurance Links with the market (employment opportunities) About MEDFOR MEDFOR - Mediterranean Forestry and Natural Resources Management A two-year world-class Erasmus Mundus Master Course Programme that answers a call for a coordinated approach throughout the Mediterranean basin to develop reliable information and tools - based on sound science and a multidisciplinary approach, in order to improve Mediterranean forestry and natural resources nanagement and policy-making. The MEDFOR emphasis is on educating the leaders of the future generation of engineers, managers, researchers, and teachers involved in Mediterrances ferestry and astum resources management. MEDION applications with a solid scientific habilitation and the competences for careers in uncovering fields of work will be the Mediterranean firestry supply claim. If will both provide the basis needed for subdens to pursue academic opportunities (e.g. PhD program) and the qualifications needed to fill positions in all Mediterranear The MEDIOR Consortium is supported by a consultation panel that includes leading international research and outreach organizations in all scientific areas of interest to Mediterranean forestry and natural resources management. The six associated partners are: European Forest Institute Mediterranean regional office FIMEO), Spain, Ecole Nationale Forestière d'Ingénieur (ENFI), Morocco, Institut National de Recherche en Génie Rural, Eaux et Forets (INRGREF), Tunisie, Forest Technology Center of Catalonia (CTFC), Spain, Institut National de la Recherche Agronomique (INRA) - Unité de Recherche Ecologie des Forêts Méditerranéennes. France, and the International Centre of Advanced Mediterranean Agronomic Studies (CIHEAM) - Mediterranean Agronomic Institute of Chania (Greece). The consultation panel is coordinated by EFIMED and in order to enhance and strengthen the interaction of MEDFOR with stakeholders and the Mediterranean forest community it further includes key stakeholders such as the Mediterranean Forest Owners Association (arcMED), the World Wildlife Fund Mediterranean Office WWFMed), the Association Internationale Forêt Méditerranéenne (AIFM) and the Food and Agriculture



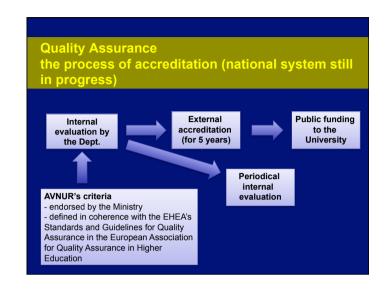












Conclusion

- From a training aimed to educate the future official of the forest administration (till the '80s) to a mix of professional profiles:
 - forest professional working mainly as a self-employed consultant
 forest officers for many public organizations (NPs, research
 - organizations, ...)

 forester working in NGOs and companies (wood working,
 - certification, ...)
- In the forestry sector the first cycle (i.e. Bachelor) has only a role of defining a background, solid, scientific basis for the Master: the proposal for the students is 3+2 as one single co-ordinated program
- More professional, specific knowledge is acquired in the 2nd yr of the Master
- Focus on soft skills (communication, work in groups) and future learning skills

- Still very dynamic, unstable and not consolidated experiences
- With a continuous process of integration, challenging problems to be considered:
 - Problems related to internal governance
 - Problems related to general context of governance

