

ARISTOTLE UNIVERSITY OF THESSALONIKI



FACULTY OF FORESTRY AND NATURAL ENVIRONMENT

F.A. (Phil) Aravanopoulos, Ph.D., Assoc. Professor & Dr. A. Christodoulou, Assoc. Professor Forestry at A.U.Th. – Historical Account
1917: FACULTY OF FORESTRY (NATIONAL TECHNICAL UNIVERSITY OF ATHENS)
1926: A.U.Th. FOUNDATION: FACULTY OF PHILOSOPHY
1927: FACULTY OF SCIENCES (FORESTRY TRANSFERRED FROM NTUA AS ITS 1st SCHOOL)
1937: FACULTY OF AGRICULTURE & FORESTRY

SCHOOL OF AGRICULTURE

SCHOOL OF FORESTRY

1981: FACULTY OF FORESTRY AND NATURAL ENVIRONMENT

■ 1983: FACUTLY OF GEOTECHNICAL SCIENCES

SCHOOL OF AGRICULTURE

SCHOOL OF FORESTRY AND NATURAL ENVIRONMENT

SCHOOL OF VETERINARY MEDICINE

Forestry at A.U.Th. – Historical Account

 Since 2005: independent FACULTY OF FORESTRY AND NATURAL ENVIRONMENT

Aristotle University of Thessaloniki

- 10 Faculties
- 49 Schools
- 42000 full-time students
- 2300 academic staff, 2000 technical support and administrative staff
- 10882 research projects completed in the past 15 years
- 1031 research projects in progress (429 funded by the EU)
- 1700 research partners (Universities, Research Institutes, Private Companies) have collaborated with 1340 A.U.Th. staff and 12000 external collaborator personnel, in 3500 research projects completed in the past three years with a total budget of 150 M €

FACULTY OF FORESTRY & NATURAL ENVIRONMENTS DEPARTMENTS

2005: FACULTY OF FORESTRY AND NATURAL ENVIRONMENT

FOREST PRODUCTION – FOREST PROTECTION -NATURAL ENVIRONMENT

FOREST AND WATER ENGINEERING

PLANNING & DEVELOPMENT OF NATURAL RESOURSES

> RANGE-WILDLIFE & FRESHWATER FISHERIES

HARVESTING & TECHNOLOGY OF FORESTRY PRODUCTS

FACULTY OF FORESTRY

Mission statement

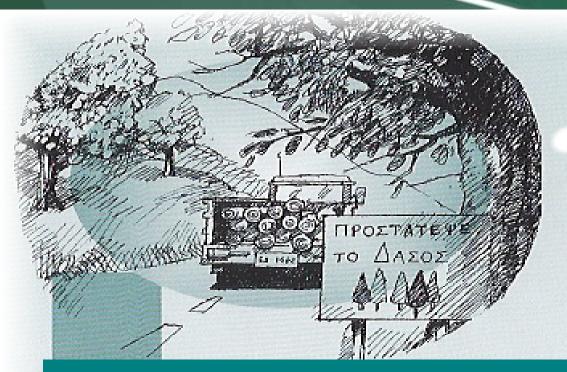
 To study, teach and research on <u>sustainable</u> <u>multipurpose forestry and terrestrial</u> <u>environmental science</u>

Faculty of Forestry – Personnel (2008 census data)

- 63 Members of the Academic Staff
 - 17 Full Professors
 - 19 Associate Professors
 - 14 Assistant Professors
 - 13 Lecturers
- 42 Technical Support Staff & University Forests' staff
- 920 undergraduate, 105 graduate (M.Sc.) students and 80 doctoral candidates

Faculty of Forestry - Infrastructure

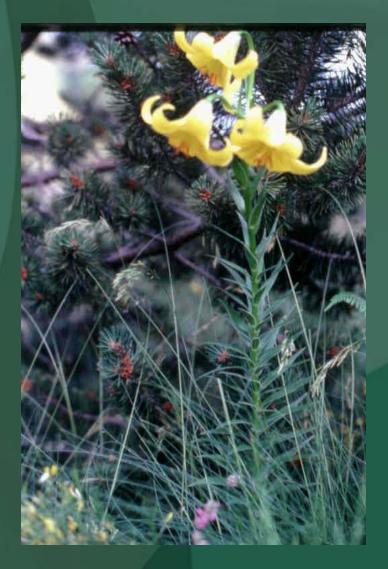
- 2 University Forests (9200 Ha), 2 University Forest District Offices & University Forests Administration Fund Central Office
- 1 Building in the main Aristotle University Campus
- 1 Forestry Campus in Phoenix (east Thessaloniki) 5 buildings – 15000 m² of labs, lecture rooms and offices
- 1 Botanical Garden
- 1 Museum of Natural History
- Nurseries and Greenhouses in the A.U.Th. Agricultural Farm
- Experimental Plantations in Vassilika Thessaloniki



FOREST PRODUCTION – FOREST PROTECTION - NATURAL ENVIRONMENT

General & Forest Ecology, Forest Soil Science, Forest Genetics & Forest Tree Improvement, Forest Protection, Forest Botany and Geobotany, Nature Conservation & Landscape Architecture

Laboratory of Forest Botany - Geobotany





Lilium rhodopaeum Delip

Plant socio-enosis of *Alnetum incanae* Aich. et siegr 30

Laboratory of Forest Genetics & Forest Tree Improvement

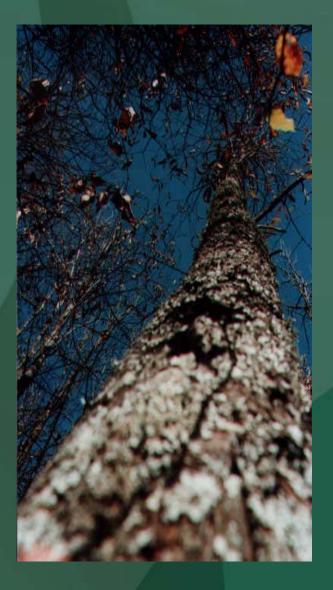


Experimental Center for Fast Growing Hardwoods; A.U.Th. Agricultural Farm



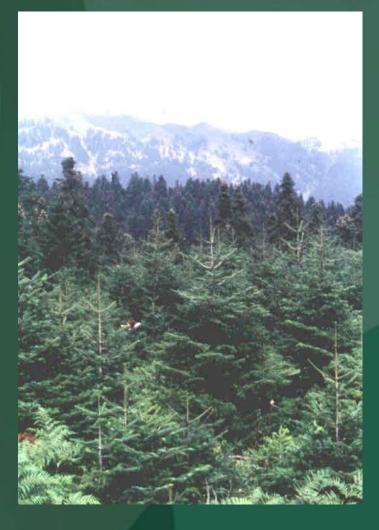
Pinus nigra Seed Orchard, Taxiarchis University Forest, Chalkidiki

Laboratory of Forest Genetics & Forest Tree Improvement

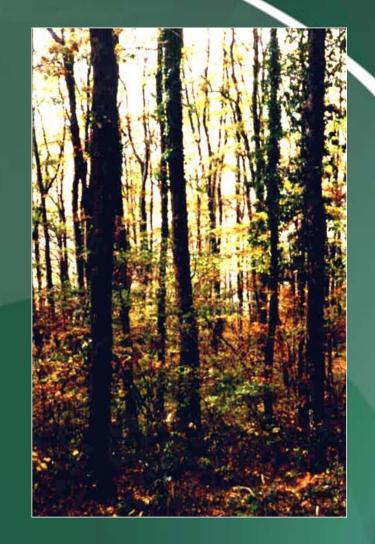




Laboratory of Silviculture

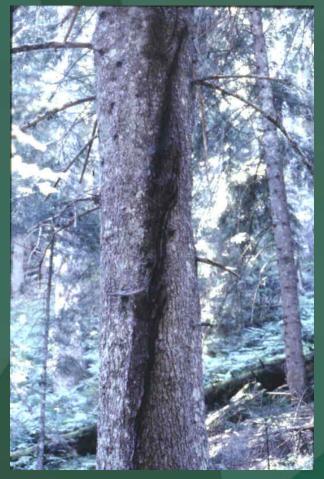


Fir natural regeneration at the University Forest of Pertouli



Coppice oak forest under conversion at Chalkidiki area

Laboratory of Forest Protection



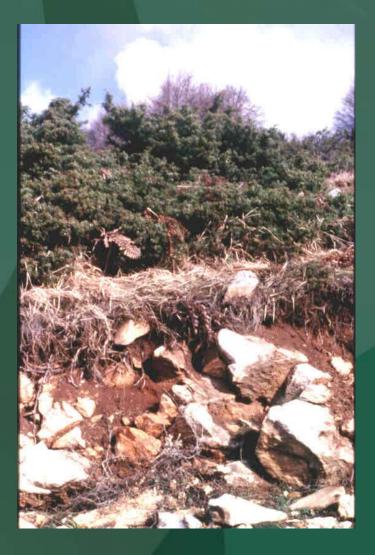
Ice-crevice seen in a fir trunk found at the University Forest of Pertouli **Forest fires**





A pine-tree larva eating pine-needles

Laboratory of Forest Soil Science





Complete soil erosion and land degradation due to long-term land use

Degraded forest soils in a hard limestone



RANGE SCIENCE – WILDLIFE AND FRESH WATER FISHERIES Rangeland Ecology, Wildlife Biology and Freshwater Fish Culture

Laboratory of Rangeland Ecology



Forest rangeland-Agroforestry Systems



Biodiversity in rangelands

Laboratory of Rangeland Management



Sheep grazing in a pseudoalpine meadow in Crete



Sheep grazing in a turf meadow

Laboratory of Wildlife Biology and Fresh Water Fisheries



Carpeolus carpeolus (Roe)



Salmo trutta m. fario



PLANNING AND DEVELOPMENT OF NATURAL RESOURCES

Forest Biometry, Forest Management, Forest Policy, Forest Economics, Forest Remote Sensing & GIS, Forest Recreation, Environmental Education, Sociology

Laboratory of Forest Biometry

Use of biometric instruments



Laboratory of Forest Management & Remote Sensing

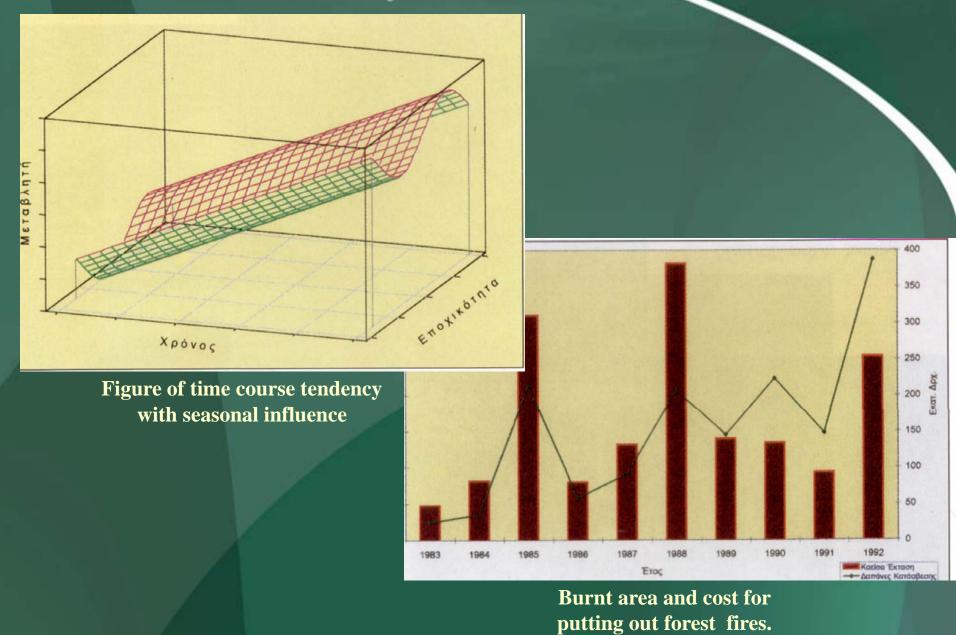




Digital forestry map and threedimensional depiction from two observation points



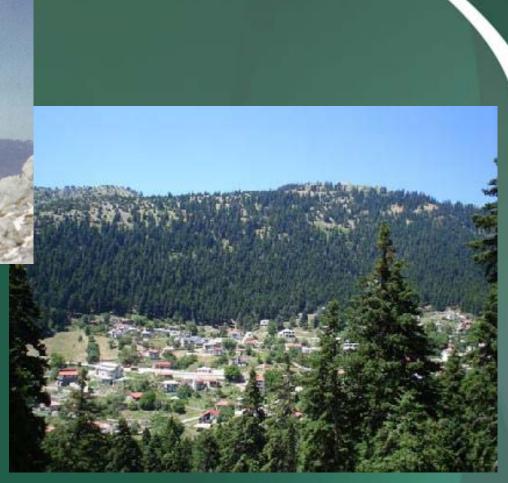
Laboratory of Forest Economics



Greece 2002-2003

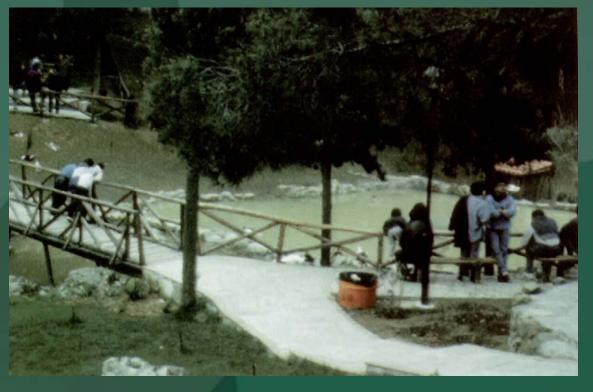
Laboratory of Forest Policy



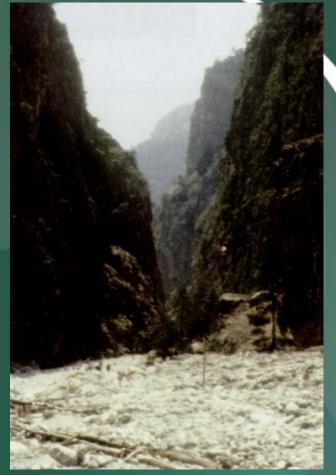


The University Forest of Pertouli – Rural Community Policies

Study of Forest Recreation, Environmental Education and Sociology



Recreation center in the urban forest of Kedrinos Hill, Thessaloniki



Recreation center in the National Park of the Samaria Gorge (Crete)



FOREST AND WHITE WATER ENGINEERING

Management of Mountainous Water, Hydrologic Management of Basins, Forest Constructions, Forest Road Construction and Forest Products Transfer, Topography

Laboratory of White- Water Management and Torrent Control



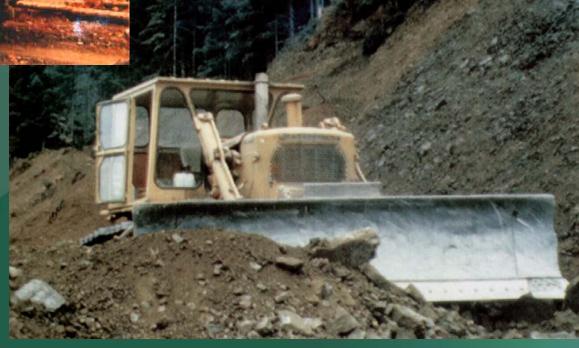
Dam for consolidation of the river bed in a Mt. Pindos torrent



Dam for erosion control in the Aridaia area, NW Greece

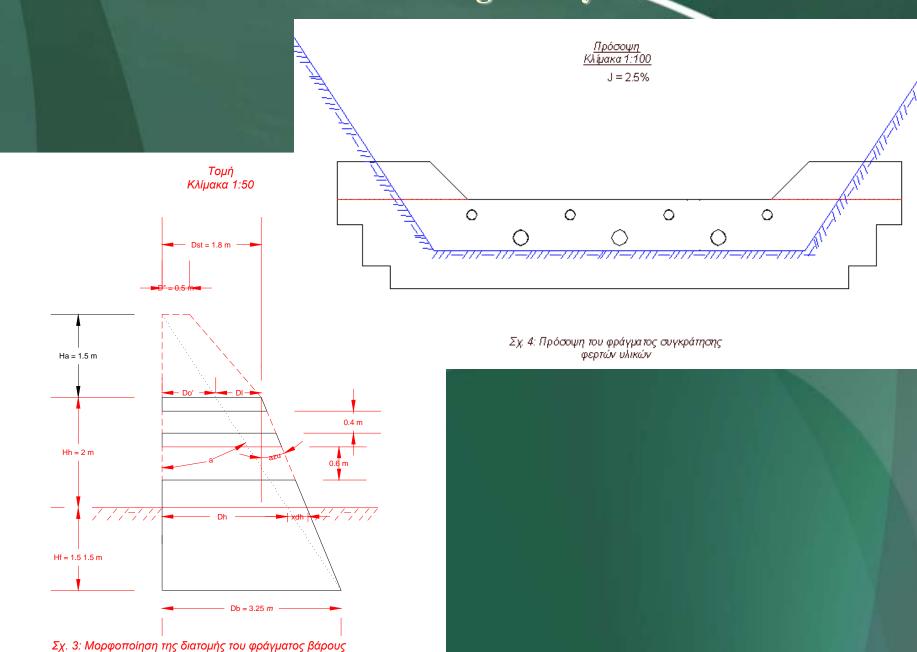
Laboratory of Forest Engineering and Topography

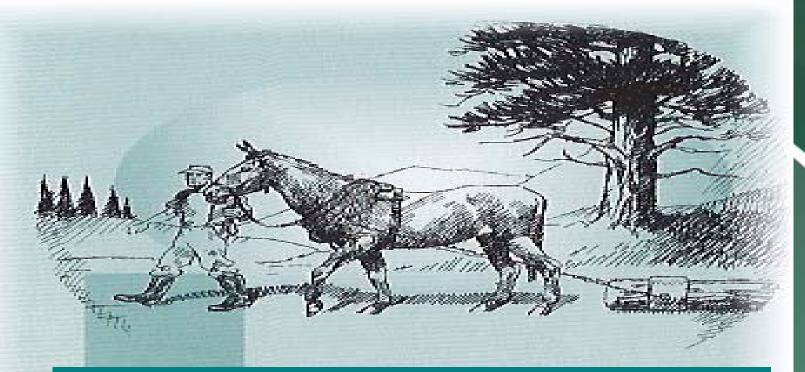
Transportation of timber



Forest road construction

Technical Design Study

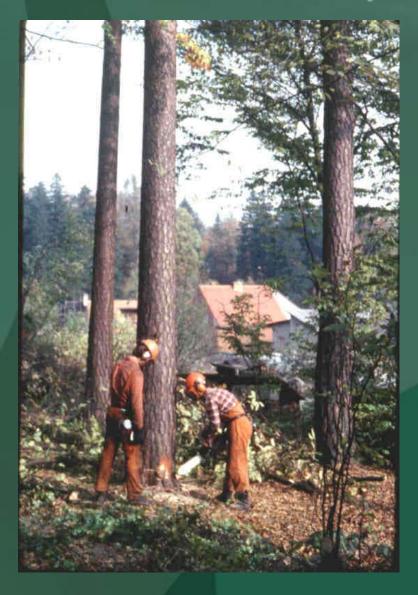




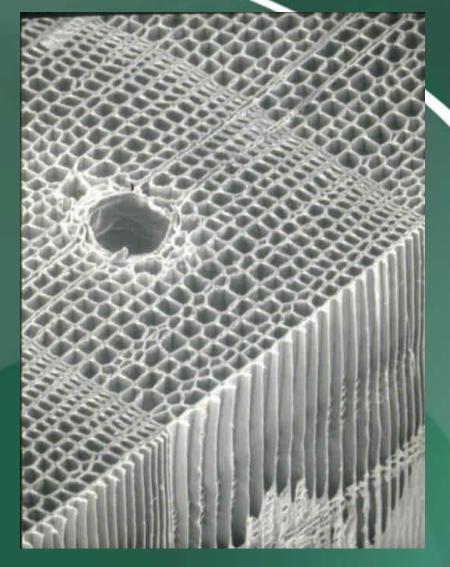
HARVEST AND TECHNOLOGY OF FOREST PRODUCTS

Harvesting of Forest Products, Structure and Properties of Wood, Chemical and Mechanical Processing of Wood and its Products, Wood Industries

Laboratory of Forest Utilization



Wood harvesting



Three dimensional coniferous wood (pine) in stereoscopic electronic microscope

Laboratory of Forest Technology





Wood logs for industrial exploitation



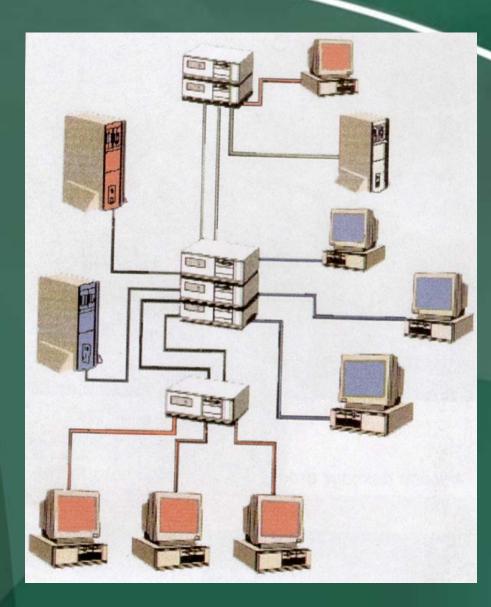
Wood products and usage

Laboratory of Forest Informatics (Faculty wide)



Computer rooms





Computer Network Facility and Workstations

University Forests



View of the Central Administration Building of the University Forest of Pertouli, Trikala, central Pindos mountain range

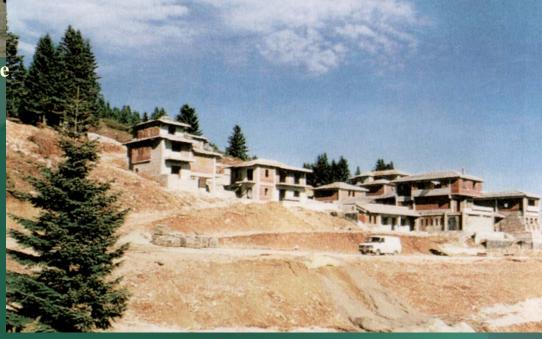


View of the Central Administration Building at the University Forest of Taxiarhis, Chalkidiki

University Forests Infrastructure



View of the student dormitories and labs at the University Forest of Taxiarhis, Chalkidiki



Novel infrastructure under construction at the University Forest in Pertouli, Trikala

University Forests – Field Practice





University Forests – Field Practice





Participation in National and International Exhibitions





Undergraduate Program

- 5 years (10 semesters)
- 60 half-year compulsory courses
- 12 half-year courses chosen from 92 elective courses
- Minimum of 265 credits
- 4 months of additional practical training (3 months at University Forests each after the end of the 4th, 6th and 8th semester respectively; one month practicum at the National Forest Service)
- Diploma Thesis

Graduate Programs

- Two levels:
 - Post-graduate Specialization Diploma PSD (M.Sc. Equivalent)
 - Doctorate (PSD or equivalent needed to enter a Doctorate program)
- Duration
 - PSD: min. 3 semesters, max. 6 semesters
 - Doctorate: min. 6 semesters, max. 12 semesters

• PSD - 6 specializations:

- Forest Production & Management
- Wood Science
- Range Science & Game Management
- Forest & Hydronomic Engineering
- Planning & Development of Natural Resources
- Forest & Environmental Conservation

Graduate Programs

- PSD Requirements:
 - 1 compulsory course (Research Methodology)
 - 6 elective courses out of 96 offered in the graduate program (typical courses + directed studies courses)
 - extra courses can be taken either from the Faculty or the University at large, but do not count in the calculation of GPA
 - Graduate Thesis (involving a minimum of 12 month work)
- Doctorate Requirements:
 - Doctorate Thesis (based on hypothesis-driven research)
 - Graduate courses may be taken from the Faculty or the University at large (optional)

