

Kingdom of Morocco



National Forestry School of Engineers



54 years in the service of human and natural resources  
and South-South Cooperation



Since its creation in 1968, the National Forestry School of Engineers participates in the training of engineering students and researches on the environment, botany, wildlife, forests, pastures, preservation and valorization of forest resources, combating desertification, erosion, wetlands and nature reserves in their economic, social and ecological dimensions

As part of the agriculture and forestry strategies in, the ENFI has increased the number of students per promotion to about 30-40 per year of which 10% are foreigners.

In addition to the scientific training, the military training grants, the graduated engineer, the title of Reserve Officer.

## Missions and activities

In addition to its main activities of Research and Training of engineers, the ENFI participates in:

- Distribution and Transfer of scientific and technical results;
- Participation, in the form of partnerships, in the training for other degrees: Engineer, Master and Doctorate, within the framework of international cooperation with other institutions;
- Organization of scientific and technical events;
- Technology development and advancement through the national research system;
- Exchange of experiences and preparation of continuing education offers in its area of specialization;
- Development of bilateral and multilateral cooperation in the fields of forestry and natural resources.

## Training and research system

The training is currently done in six years and is divided into three cycles:

- The 1<sup>st</sup> cycle (02 years), takes place at Hassan II Agronomic and Veterinary Institute at Rabat and at the National Agricultural School of Meknes and is devoted to the acquisition of scientific and agronomic bases ;
- The second cycle (two years): It aims to provide the student with knowledge in the field of general forest studies ;
- The third cycle (two years): a year of common and specialization courses, aims to provide students with specialized knowledge in various fields, including :
  - Management and Ecology of Natural Resources,
  - Forest Management,
  - Valorization of Forest Resources,
  - Forest Economy,
  - Management of National Parks,
  - Geomatics of Natural Resources.

The last year of training is devoted to the preparation of final dissertation in various fields in different regions of Morocco and foreign countries.

## Departments, laboratories and centers

Education, training and research are provided by a team of permanent and temporary teachers.

The training and research structures consist of the following elements: 03 departments, 03 laboratories and 03 centres:

### 03 Departments :

- Department of Soil-Water and Biodiversity (DSEB) ;
  - Laboratory of Water and Soil Resources,
  - Biodiversity Laboratory.
- Department of Forest Development (DDF) ;
  - Forest Products Evaluation Laboratory.
- Department of Management and Economics of Natural Resources and Environment (DGERE).

### 03 Centers :

- Computation and Data Processing Center ;
- Geomatic Center ;
- Documentation Center.

### Scientific Research

At ENFI, the research carried out focuses on the following main areas :

- Biodiversity, protected areas, forest ecosystems, natural resources & ecotourism ;
- Forest, sylvopastoral, agroforestry and watersheds managements ;
- Wood technology and enhancement of wood and non-wood forest products ;
- Socio-economy of natural and forest resources ;
- Development of Geographical Information Systems (GIS).



## Main achievements of Research

- Publication of numerous scientific and technical articles.
- 30 to 40 graduation papers per year covering the following topics:
  - Analysis of terrestrial ecosystems, wetlands and biodiversity of national parks and reserves;
  - Functioning of natural and sylvo-pastoral ecosystems;
  - Evaluation of the production of goods and services of forest stands, management techniques and soil fertility;
  - Sustainable forest management facing the climate change, human impacts and forest fires;
  - Applications of geographic information systems to natural resource valorization;
  - Analysis and modeling of erosion processes and soil degradation and loss of their fertility.



## Training report 1968-2022

Nationality	Engineer of Application	State Engineer	Total	Female number
Morocco	317	663	980	176
Algeria	18	-	18	-
Tunisia	96	80	176	04
Mauritania	14	19	33	-
Yemen	-	05	05	-
Lebanon	-	03	03	01
Sub-Saharan Africa	33	109	142	14
Haïti (central America)	-	01	01	01
<b>Total</b>	<b>478</b>	<b>880</b>	<b>1358</b>	<b>196</b>
<b>General total</b>	<b>1358 (28% foreigners, 14% feminine)</b>			

### 29 Nationalities :

*Algeria, Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Comoros, Congo, Ivory Coast, Gabon, Ghana, Guinea, Haiti, Kenya, Lebanon, Liberia, Madagascar, Mali, Mauritania, Niger, DRC, Rwanda, Senegal, Chad, Togo, Tunisia, Yemen and kingdom of Saudi Arabia.*



## Research and expertise

ENFI participates in numerous studies and research projects in the framework of national programs and international cooperation, which focus on ecosystems, biodiversity and silvicultural techniques, with a view to better management, development and conservation of forest resources.

The results of this research have multiple applications in Forestry and Agriculture and are the subject of numerous publications in national and international journals. This allowed the ENFI to have a scientific influence and relations in the framework of international cooperation level.

## Cooperation and partnership

ENFI collaborates with its experience and expertise in the areas of training, continuing education, research in its areas of specialization in the framework of conventions and contract programs.



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