



DESCRIPTION OF NATIONAL Agri-Med RESEARCH SYSTEM

(Programmes and capacity)



Funding scheme

Funding Organizations	Funding area	Budget € year 2008
<ul style="list-style-type: none"> ■ Ministry of Higher education and Scientific research through national fund for S&T 	Sectorial research (all fields) ICT	2.500.000 5.000.000*
<ul style="list-style-type: none"> ■ The Moroccan 15 universities are committed within Program “Urgence” to support R&D. 	Research support in all fields	72.000.000**
<ul style="list-style-type: none"> ■ Hassan II Academy for S&T 	Agro biodiversity Cancer Human sciences Innovation Nanomaterials Climate change Geology Energy	4.000.000***
<ul style="list-style-type: none"> ■ Ministry of agriculture and Fishery <ul style="list-style-type: none"> • PROFERD Call • DRI-PMH 	Agriculture Rural development, water	1.000.000 394.550
TOTAL		84.894.550

*2006-2010; **2009-2012; ***2007-2008



Research capacity

Research Institutions considered in the report	Agri-med area annual budget (full cost in €)	Human resources in Agri-med area (total N. scientists)
<ul style="list-style-type: none"> ■ National Agricultural Research Institute - INRA ■ National Center for Forestry research – CNRF ■ Service for Experimentation, Testing and Normalization - SEEN 	Not available	Not available
<ul style="list-style-type: none"> ■ Hassan II Institute of Agronomy and Veterinary Medicine- IAV ■ National School of Agriculture – ENA ■ National School of Forest Engineering- ENFI 	Not available	Not available
<ul style="list-style-type: none"> ■ 15 universities (mainly faculties of sciences and school of technical engineering) 	Not available	Not available
TOTAL		

The agri-Med research structure in the country

Most Moroccan scientific research currently falls within the public sector domain. However, the growth of the components the agricultural of the research system has been more the result of dynamics within professional circles than from other factors. Additionally, various services and laboratories are in the quasi-public sphere, created by offices and companies devoted to development and industrialisation, whose research needs they serve.

The main players on the Moroccan agricultural research scene are the research centres, high education and research institutes and universities. The major components are institutions that operate under the ministry of agriculture and marine fishery. Their budget and programmes are under this authority. They depend on the Ministry of high education and scientific research only for accreditation of training scheme.

Furthermore, there are 15 universities under Ministry of Higher Education. Some of their training programmes and research structures contribute to research areas related to agriculture. These institutions play a strategic role in the modernization of Moroccan agriculture.

Together these institutions:

- Ensure the training of most of the scientific and technical staff needed for Moroccan agriculture, rural development and associated sectors
- Conduct most of national agricultural research and innovation through national and regional programs
- Contribute to scientific production
- Innovation and technology packing and transfer



Coordination of the **Agricultural Research In the Mediterranean Area**

The Ministry of Agriculture is the main programme owners. It defines the policy, oversees the establishment of priorities with stakeholders and controls the budget. It delegates the ownership of national programmes particularly to INRA which may subcontract or open.

Priorities & Main research thematic area/programmes

Ministry of Agriculture :

- Food and Agro-Industries & Post-Harvest,
- Animal Production & Health,
- Biotechnology,
- Fishery & Aquaculture,
- Forestry & Agroforestry,
- Land & Water,
- Plant Production & Protection,
- Socioeconomic & Farming Systems,

Future perspectives in the Agri-Med research

Research in Agri Med domain should support the implementation of the new “Plan Maroc Vert”. Indeed, in order to support this vision , mid-term regional programmes are developed for a 4 years period (2008-20012) based on five general orientations:

- “Mise à niveau” of different commodities concerning the two pillars of “Plan Maroc Vert” and improvement of their competitiveness;
- Agroecological characterization of the environment and sustainable management of natural resources (soil, water, biodiversity) ;
- Climate change studies and impact on agricultural production;
- Production systems, socio-economic and institutional environment studies and impact of agricultural policies;
- Coverage of different ecosystems and regions (arid and semi- arid, oases, irrigated land, mountains, rangelands, Sahara and pre-Sahara zones).

The major domains of activities are as follows:

- Sustainable management of natural resources, especially, water, soil and agro-biodiversity of both plants and animals;
- Improvement of agricultural productivity and diversification of agricultural productions:
 - *Plant Production*
 - *Animal Production*
- Improvement of quality agricultural products and their valorization;
- Strengthening research development activities and valorization of technologies through technical assistance and technology transfer.

Contact Points for information

Mohammed Sadiki

Director Institut Agronomique et Vétérinaire Hassan II - IAV
BP 6202-Instituts, 10101-Rabat, MAROC

m.sadiki@menara.ma