

Nepal Agriculture and Forestry University in Relation to Agriculture Development Strategy

Introduction

Agriculture and Forestry University (AFU): came into existence in July 2009 under the 'The Agricultural and Forestry University Act, 2009' by merging two educational campuses, one of the Institute of Agriculture and Animal Science and one from the Institute of Forestry, Tribhuvan University. In June 2011, the first Vice chancellor for this new University received appointment and thereafter reorganizing of merged old campuses of TU i.e. Agriculture and Animal Science Campus of Rampur, Chitwan and Forestry Campus of Hetauda, Makwanpur are in process establishing to Centre of Excellence in education, research and extension both in Agriculture and Forest Sciences.

AFU Vision

The vision of AFU is to play leadership role in education, research and development in agriculture and forestry sectors for the prosperous Nepal

AFU Mission

AFU's mission is to train competent human resources middle (undergraduate), higher (Master) and advanced (doctoral and post-doctoral) levels in agriculture, livestock, veterinary, forestry and allied sciences and to promote research for generating improved technologies and their dissemination.

AFU Objectives

- To develop national policies, plans and programs in the fields of education, research and development of the agriculture, livestock, veterinary, forestry and allied disciplines.
- To design and implement educational programs in agriculture, livestock, veterinary, forestry and allied sciences in order to obtain an appropriate balance among established and emerging needs of these sectors in Nepal.
- To develop highly knowledgeable and skilled human resources of medium, high and advanced levels in the mandated disciplines.
- To develop demand based research policies and programs and implement them in the mandated disciplines in Nepal.
- To develop development policies and programs and disseminate the appropriate technologies and technical services for effective implementation.

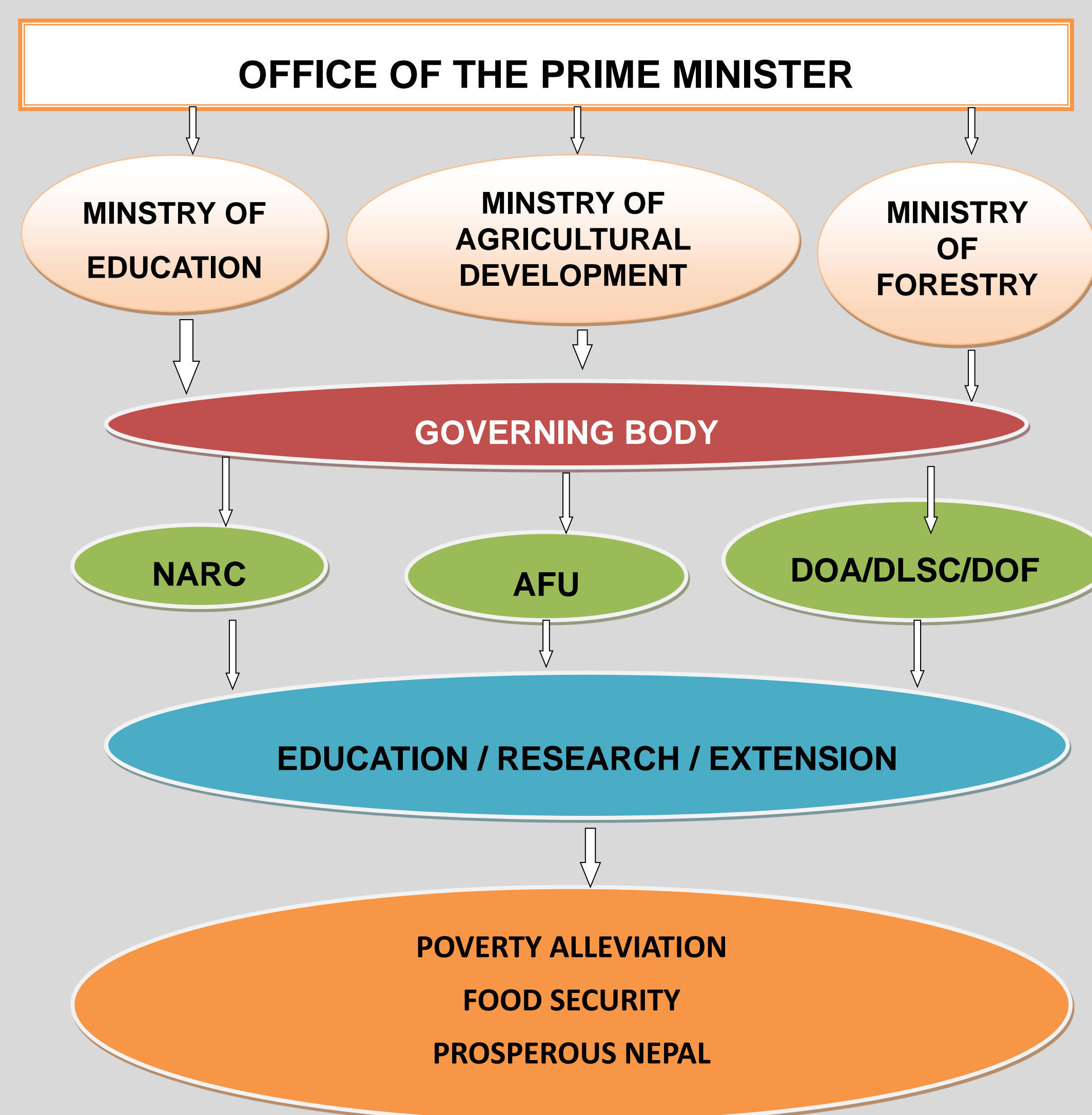
AFU Mandates

Offering Medium, High, and Advance Level of Education

Conducting Basic, Applied and Adaptive Research

Doing Technology Assessment, Refinement, and Transfer

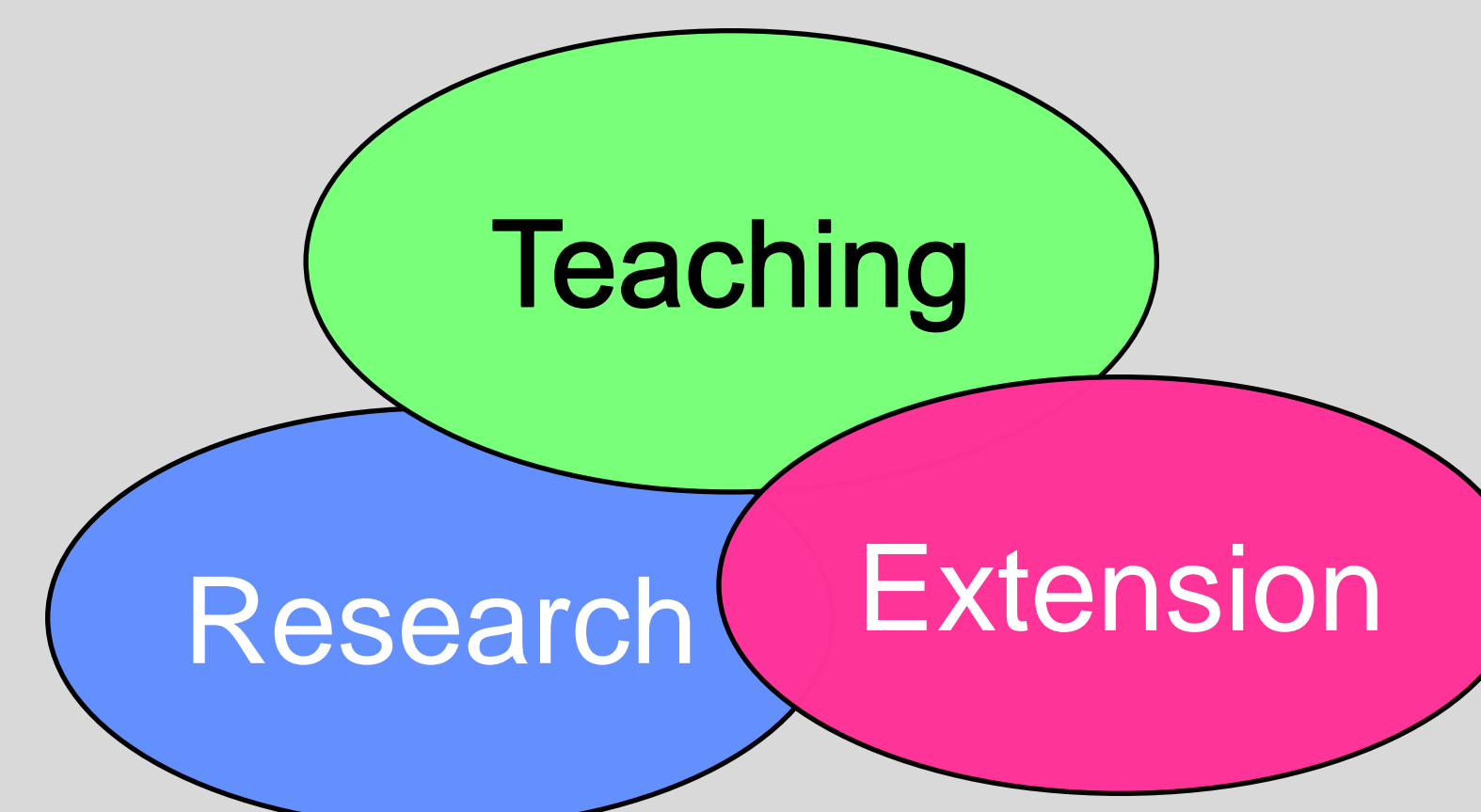
Strategies of AFU and Knowledge Triangle



The University focuses its strategy on synergizing multidisciplinary education and strengthening problem-specific research relevant to the country and help building innovative extension systems for sustainable management of natural resources, sustainable agricultural production and overall improvement of rural livelihoods.

To achieve the Mission and Goal, the University propose to adopt the following programs:

- Provide quality education in Agriculture, Horticulture, Animal Husbandry including Veterinary and Dairy Sciences, Co-operation, Fisheries, Forestry, Wildlife, Soil Conservation and other allied disciplines,
- Undertake basic, applied and adaptive research to address current and future challenges of farming community and to provide management options relevant to the prevailing agro-climatic and socioeconomic situations,
- Generate appropriate technologies to support sustainable growth of agricultural/forest entrepreneurship and agri-business,
- Develop innovative extension strategies and formulate effective mechanisms for Transfer of Technology to institutions and farmers for enhanced and sustainable agricultural and forest production leading to improved rural livelihoods,
- Locate and protect biodiversity to preserve ecosystem of the country and to document traditional knowledge and technologies.



Teaching – Research-Extension as Knowledge Triangle of AFU

Support ADS by Being Vehicle of Change

Excellence in Teaching, Research, and Extension

- ✓Qualified Teachers and staff
- ✓Demand Driven Teaching and Research
- ✓New Curriculum to support quality teaching and learning
- ✓Students with high learning and doing aptitude
- ✓Making Excellence in Agriculture and Forestry Education, Research, Training and Extension
- ✓Strengthening Existing Teaching, Research, and Outreach Capacity and Introducing New as per Requirements Considering the Agro-ecosystems of Nepal
- ✓Improving/Introducing Bachelor/Master/Doctoral Course Offerings
- ✓Develop Physical Facilities by incorporating Advanced Technologies
- ✓Updating Skill and Knowledge of Faculties

Integration of Education and Research and Extension

- B. Sc. (250 students) in a year can be involved in demonstration of existing and promising inputs and technologies and breeds in their B. Sc. Programs,
- M. Sc. (150 students) in a year can be involved in technology assessment, verification, multilocation adaptive research,
- Doctoral (40 students) in a year can be involved for their dissertation works in advanced and specific problem solving oriented research program,
- Research Scientists/Faculties (100) in a year can be involved in frontier science and -technology research programs,
- Information Management and Communication Systems will be mainly taken care by faculty and students of Agriculture and Forestry Extension,
- Farmers to Farmers extension systems through farmers field schools,
- Farmers Visits to the University Demonstration Plots,
- Farmers training in the pocket areas,
- Organizing short term trainings and empowering farmers,
- Faculties-Farmers-Students interaction programs, plant and animal clinics.

Support ADS by Generating Knowledgeable and Skilled Human Resources

Areas of Human Resource Development

- Conservation of Natural Resources and Agrobiodiversity
- Crop Improvements and Heterosis Breeding
- Agricultural Bio-technology
- Post Harvest Technology and Value Addition
- Agricultural Engineering and Technology
- Mountain and Hill Farming System
- Agricultural Information Management Systems
- Agro-forestry
- Agribusiness Managements
- NAFSU Expects Financial Support for Faculty Development, Infrastructure Development and Research for the above listed focused areas.

Capacity building of AFU

Agricultural and Forestry University is well poised to meet the challenges ahead that transforms agriculture sector into the engine of growth of Nepal's economy by providing the human resources, and skills and technology for the sustainable development of agriculture, all economic activities put to the production of biomass based land and water including crop production (agriculture), animal husbandry, fishery, forestry, wildlife and watershed. The following things should be considered for the capacity building of AFU:

- Formation of the governing body.
- Upgrading the education program
- Upgrading of the faculties
- Strengthening library
- Specialization of the production programs of the AFU farms
- Collaboration in education programs with NARC/DOA/DLSC/DOF scientists



Agriculture and Forestry University
Rampur, Chitwan

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