AGROFORESTRY EXTENSION IN THE PHILIPPINES

In the Philippines, agricultural extension is decentralized to the local government units, in accordance with the Local Government Code of 1991. However, national government agencies and state universities and colleges also contribute to the body of knowledge and professionalization of extension in the country. The Agricultural Training Institute (ATI) serves as “the national apex agency for extension of the Department of Agriculture (DA) in order to orchestrate the agriculture and fisheries extension system for a unified and efficient delivery of extension system.”

Climate change and the continuing degradation of natural resources in the country, especially in the upland regions, most certainly affects the state of living in these areas, especially in terms of sustainable agroforestry and natural resources management.

The Philippine Council for Agriculture, Aquaculture, Forestry, and Natural Resources Research and Development (PCAARRD), one of the research councils under the Department of Science and Technology (DOST), houses the Agroforestry Information Network (AFIN). The AFIN is a data bank. AFIN’s objectives are as follows (PCAARRD, n.d.):
1. to serve as a focal point to various information on agroforestry
2. to facilitate the sourcing, building-up, delivery and exchange of information on agroforestry to support the sustainable development of natural resources, and
3. to promote agroforestry development strategies to interested individuals who have access to the internet.

The Department of Environment and Natural Resources (DENR) and the Department of Agriculture (DA) are also involved in agroforestry programs. DENR adopted agroforestry for its community-based forest management (CBFM) programs “to enhance the sustainable development of the country’s forest resources and promote people empowerment and social justice.” (Atienza, Dimla, & Feliciano, 2003).
Emerging Forestry Extension Issues to be Addressed

Bias in Agriculture in Forestry Extension Services

Most of the barrier programs of the national government in the field of agriculture are focused on lowland crops. There remains a need for effective, efficient, and relevant extension programs for upland regions, especially with their unique topographical, geographical, and community contexts and nuances. Programs of various national government agencies (NGAs) involving agroforestry should provide services more appropriately, to serve smallholder farmers in these regions, who are usually of indigenous roots with a rich history of age-old but effective agricultural, natural resources management, and governance practices.

Participatory agricultural extension planning, implementation, monitoring and evaluation for forestry extension must be considered, given the uniqueness of their agro-forestry contexts. Agricultural extension approaches, particularly methods, tools, techniques used in the lowlands must be revisited for their appropriateness under upland conditions due to resource limitations. CHARMP 2 project in the Cordillera Region, Philippines, funded by IFAD has illustrated innovative practices along these, which are now ripe for upscaling.

Harmonizing Extension Services for Agroforestry

There is a need to enhance agroforestry extension in the Philippines, given the demand for natural resources management in the uplands and the need to mainstream the needs and demands of indigenous peoples and the marginalized in the highlands.

Funding for Agroforestry Programs

DENR has "no regular funding assistance for agroforestry in its devolved district offices, except for technical assistance to upland farmers," while DA and DAR "have no comprehensive programs for agroforestry development" (Prodlito & Dimzon, 2004).

A Unique Region with Unique RAS Situations: The Case of the Cordillera Administrative Region

The Cordillera Administrative Region, composed of the provinces of Abra, Apayao, Benguet, Ifugao, Kalinga, and Mountain Province, stands out from the rest of the regions in the country not just in terms of its topographical characteristics, but also in terms of unique indigenous practices in agriculture, forestry, natural resources management, tribal leadership and governance. Country STAT Philippines describes the region as follows:

"It is rugged terrain and breath-taking topography have been home to the sturdy and industrious indigenous tribes collectively called the Igorot, while its climate has bred an equal unique culture distinct from that of the country’s lowland colonized regions (2017)."

Of the 1,981,812 ha total land area of the region, 177,839 ha is used for agriculture. Moreover, 5,140 ha of CAR’s agricultural land area is used as forest land.

<table>
<thead>
<tr>
<th>PROVINCE</th>
<th>INDIGENOUS PRACTICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abra</td>
<td>- Kijowan, Kaiwan</td>
</tr>
<tr>
<td>Apayao</td>
<td>- Lapat</td>
</tr>
<tr>
<td>Benguet</td>
<td>- Ifugao, Muyong</td>
</tr>
<tr>
<td>Ifugao</td>
<td>- Lapat</td>
</tr>
<tr>
<td>Kalinga</td>
<td>- Muyong</td>
</tr>
<tr>
<td>Mountain Province</td>
<td>- To be identified</td>
</tr>
</tbody>
</table>

Figure 1. Agroforestry Projects in 2003

Figure 2. Allocation of CAR’s Land Area

Policy Recommendations: Towards a Harmonized and Locally-Rooted CAR Agroforestry Extension

APRAS has put forward that the DENR, DAR, and PCAARRD should take part in a proposed country forum for the country (Cardenas, Calalo, & Gamna, 2017). Through the country forum, these three agencies can harmonize their agroforestry programs and efforts, together with other extension stakeholders from the government, academe, and private sectors which also comprise the country forum. These three agencies can elevate their concerns, issues, and capacities needed in agroforestry extension. These three agencies can also use the country forum as a platform for their policy advocacy in agroforestry implementation, research, and extension.

The respective regional offices of DENR and DAR, PCAARRD, and other agroforestry and rural advisory services stakeholders in the Cordillera Administrative Region should also collaborate in creating a unified agroforestry extension program for the region. At the same time, the country forum can evaluate the gains and good practices of past and present agroforestry and extension programs in the region, including those from CHARMP2. Evaluating the gains from these programs can help in the formulation of the unified agroforestry extension program. The academe, through the UPLB IAF can also contribute its expertise in the formulation of the unified program.
REFERENCES


This policy brief is produced as part of the project Supporting Smallholder Farmers in Asia and Pacific Islands Region Through Strengthened Agricultural Advisory Services (SAAS Project), which is funded by the International Fund for Agricultural Development (IFAD). Together with APIRAS in this project are the Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), Agricultural Extension in South Asia (AESA), Pacific Islands Rural Advisory Services (PIRAS), the Philippine Department of Agriculture - Agricultural Training Institute (DA-ATI), Bangladesh Agricultural Extension Network (BAEN), and the Secretariat of the Pacific (SPC) in Fiji. APIRAS serves as the overseer in the Southeast Asian subregional component of the project, which is piloted in the Philippines.

For comments and suggestions regarding this policy brief, contact

**ASIA-PACIFIC ISLANDS RURAL ADVISORY SERVICES NETWORK**
c/o University of the Philippines Los Baños College of Public Affairs and Development
Domingo Lantican Avenue, College 4031 Laguna, Philippines
Phone: (+63-49) 536-0319
Email: apirasnet2017@gmail.com
Web: www.apiras.net/ http://www.saas.apiras.net
Facebook and Twitter: @APIRASnetwork