

IUFRO Spotlight is an initiative of the International Union of Forest Research Organizations. Its aim is to introduce, in a timely fashion, significant findings in forest research from IUFRO officeholders and member organizations to a worldwide network of decision makers, policy makers and researchers.

IUFRO will encapsulate, and distribute in plain language, brief, topical and policy-relevant highlights of those findings, along with information on where/how to access the full documents. The **IUFRO Spotlight** findings will be distributed in a periodic series of emails as well as blog postings.

Combatting Climate Change Comprehensively

**By Ben Chikamai (Kenya Forestry Research Institute)
IUFRO Board Member, Kenya**

African forest policy makers and governments could benefit by using a recent study as a template to help bring climate change adaptation into the mainstream of national development strategies.

The study, conducted in two forest-dependent areas in Africa, emphasizes cross-sectoral planning – recognizing and incorporating interacting priorities, such as agriculture, health, forestry, land-use planning, water resources, energy, education, etc. – as a key element in implementing any effective climate change adaptation strategy.

Forests can play an important role in achieving climate change adaptation goals in Africa. But sustainable forest management decisions alone can't accomplish that. Policy decisions – for forests as well as other resource areas – must complement one another. At present, impacts from some of those other sectors may actually be threatening the forests.

There are a number of pressures on Africa's forests – agricultural expansion and forest over-use among them. Reducing non-climatic pressures, in a logical, prioritized manner, can help reduce the vulnerability of forest ecosystems. That's crucial because many people in Africa are highly dependent on forest goods and services. Those people are, and will continue to be, particularly vulnerable to the impacts of climate change. Improving the capability of forest dependent communities to adapt to a changing climate will reduce that vulnerability.

The study: *Enhancing Adaptation of Forests and People in Africa – Development of Pilot Cases for Selected Forest Ecosystems in Ghana and Malawi*, examined forest issues related to climate change in selected areas of those countries. The authors, E.G. Foli and S. Makungwa, worked in those specific areas because they represent typical examples of the ecological and socio-economic situation prevalent in Sub-Saharan Africa, so the findings could also be applied to countries in West, Central, Southern, and parts of East, Africa.

Among other findings, the study confirmed a general trend of increasing mean annual temperatures and a decline in mean annual rainfall. In the Ghana pilot area this has resulted in forest loss due to wildfire; a decline in the availability of non-timber forest products; reductions in agricultural crop yields; and declining potable water supplies and the associated risk of water-borne diseases. In the Lake Chilwa area of Malawi, in addition to declining potable water supply and its associated disease risks, there has also been poor productivity on tree farms; loss of indigenous trees in communal areas, riverbanks and surrounding forest reserves; a decline in agricultural productivity; and declining fish catch from the lake.

While the study noted how changing climatic conditions can adversely affect livelihoods, health and food security in those communities, it also noted examples of locally initiated adaptation strategies developed to mitigate the impacts of the changing climate. By compiling existing information, including the needs of stakeholders in the various inter-related resource areas, consulting with local communities and assessing and evaluating each project site, enhanced and concrete adaptation measures for the pilot areas were developed.

Then, a priority setting exercise was carried out to identify appropriate and relevant adaptation strategies and activities that would best serve the communities. Similar techniques could be used across a much wider area, the authors say, but that will require political will, financial commitment, and an integrated multi-sectoral – even trans-national – approach. It's a challenge, they agree, but one that must be faced.

The full study can be found at: <http://www.fornis.net/content/enhancing-adaptation-forests-and-people-africa-development-pilot-cases-selected-forest-ecosy>

The findings reported in **IUFRO Spotlight** are submitted by IUFRO officeholders and member organizations. IUFRO is pleased to highlight and circulate these findings to a broad audience but, in doing so, acts only as a conduit. The quality and accuracy of the reports are the responsibility of the member organization and the authors.

Suggestions for reports and findings that could be promoted through IUFRO Spotlight are encouraged. Please send them to: Gerda Wolfrum, wolfrum(at)iufro.org. To be considered, reports should be fresh, have policy implications and be applicable to more than one country.

The International Union of Forest Research Organizations (IUFRO) is the only worldwide organization devoted to forest research and related sciences. Its members are research institutions, universities, and individual scientists as well as decision-making authorities and other stakeholders with a focus on forests and trees. Visit: <http://www.iufro.org/>

*IUFRO Spotlight #8, published in June 2012
by IUFRO Headquarters, Vienna, Austria.*

Available for download at: <http://www.iufro.org/media/iufro-spotlights/>

Contact the editor at [office\(at\)iufro.org](mailto:office(at)iufro.org) or visit <http://www.iufro.org/>

If you do not wish to receive **IUFRO Spotlight** publications, please email us at: [office\(at\)iufro.org](mailto:office(at)iufro.org)

Imprint: <http://www.iufro.org/legal/#c18944>



Degraded forest landscape in the Offinso District, Ghana. The original high forest cover has been modified through over-exploitation of wood resources, agriculture activities, and establishment of human settlements. (Photo by Ernest Foli, FORNESSA)