

Production and Carbon Dynamics in Sustainable Agriculture and Forest Systems in Africa—Science Needs and Deeds

28-29 Sept 2010, Aula Magna, Stockholm University

www.Agri4D.se

Conference Themes

Sustainable Production—How can enough food and forest products be produced in environmentally, ecologically, socially and economically acceptable ways?

Carbon Dynamics—What is the potential for agricultural and forest systems to sequester carbon, and how do carbon dynamics influence sustainability and production capacity?

Keynote Speakers

28 September 2010

Moderator: Anna Tengberg

Global perspectives on food production

Lennart Båge, Ex-President, IFAD

(International Fund for Agricultural Development)

Carbon sequestration in sustainable land use—
concepts, definitions and implications

Lennart Olsson, Director, LUCSUS

(Lund University Center for Sustainability Studies)

Need for integrated, multidisciplinary and international
perspectives in research for agricultural development
in Africa

Thomas Rosswall, Chair, CCAFS

(Climate Change, Agriculture and Food Security)

Integrated management of soil fertility—a prerequisite
for increased agricultural production

**Bernard Vanlauwe, Guest Professor at SLU and
Senior Scientist at TSBF**

(Tropical Soil Biology and Fertility Institute)

African smallholders – foodcrops, markets and
technology

**Göran Djurfeldt, Agnes Andersson
and Magnus Jirstrom, Afrint**

(Lund University)

29 September 2010

Moderator: Thomas Rosswall

Some policy aspects and approaches to climate
change in African forestry

Godwin Kowero, Executive Secretary, AFF

(African Forest Forum)

Can integrated approaches deal with global
environmental changes?

**Jeff Sayer, Science Adviser to Forest
Conservation Programme, IUCN**

(International Union for the Conservation of Nature)

Forest, Carbon and REDD

**Peter Holmgren, Director Environment, Climate
Change and Bioenergy, FAO**

(Food and Agriculture Organisation)

Restoration of degraded forests of the world

Lars Laestadius, Senior Associate, WRI

(World Resources Institute)

Ways forward in efforts to ameliorate climate
change effects

Carol Colfer, Scientist, CIFOR

(Center for International Forestry Research)

Extended Call for Abstracts

Abstracts for presentations and posters to Gert.Nyberg@sek.slu.se by 20 August

To Participate

To participate please email: Heather.Mackay@seksko.slu.se

Production and Carbon Dynamics in Sustainable Agriculture and Forest Systems in Africa—Science Needs and Deeds

Objective

To promote a science-based, balanced, discussion on sustainable agriculture and forestry in Africa and its production, productivity and carbon sequestration potential.

Target group

Scientists, practitioners, policymakers and others with an interest in agriculture, forestry and natural resource management within a development context.

Background

The theme of the conference captures two pertinent questions in African agriculture and forestry:

Sustainable production—how can enough food and forest products be produced in environmentally, ecologically, socially and economically acceptable ways?

Carbon dynamics—what is the potential for agriculture and forests systems to sequester carbon, and how do carbon dynamics influence sustainability and production capacity?

These issues are complex and interdependent. Inputs from biophysical sciences range from narrow disciplinary technologies to integrative science approaches, like Integrated Natural Resource Management, Integrated Pest Management, Integrated Soil Fertility Management, Conservation Agriculture, Organic Farming, Sustainable Forest Management, and Reduced Emissions from Deforestation and Forest Degradation (REDD). Each approach has to be adapted to a socio-economic context, though the constraints and ways forward differ.

Social sciences are essential for understanding households' diversified and dynamic livelihood strategies. Improved market performance and incentives, trade, institutions, financial services, agricultural research, advisory and learning services, policies and governance are often prerequisites for improved natural resource management.

Format

During the 2-day conference these questions and issues will be addressed in four ways (all will draw on both biophysical and socio-economic research and experience):

- Keynote presentations by experienced international scientists and practitioners
- Research presentations in parallel sessions
- Poster presentations
- Panel discussions where key note speakers and other insightful persons discuss with each other and the audience

Abstracts for posters and oral presentations should be submitted to Gert.Nyberg@sek.slu.se before August 20th

Output

Presentations will be documented on the internet through the organisers' websites (Agri4D, Focali, Future Agriculture and SIANI) and as proceedings. Participants are expected to leave the seminar with more knowledge, a wider perspective on the problem complex, and an extended network of contacts. This will hopefully be demonstrable by e.g. new research and development ideas, more multi and inter-disciplinary research projects, and closer cooperation between practitioners and scientists in the future.

Date & Venue: 28-29 of September 2010, Aula Magna, Stockholm University