

Program: Presentations and Posters

These pages show the presentations in the order of sections and working groups. Click on a topic to jump to that section. Click on the authors to open the paper. You can also access the papers via the [list of authors](#).

Some of the authors only gave presentations and did not provide a paper or poster for inclusion on the CD-ROM. In these cases the link will bring up the authors contact address.

Section 1: Human Needs, Poverty and Food Security

Working Group 1: Research Approaches in Macro-Policy Analysis. Partial versus General Equilibrium Models

Working Group 2: Assessment of Poverty and Livelihood Strategies

Working Group 3: Technologies, Institutions and Policies for Natural Resource Conservation

Working Group 4: International Agricultural Research: Methods, Strategies and Institutions

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B. Agricultural Research: How to make International Agricultural Research more Farmer Relevant

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Poster/Tools Miscellaneous Topics

Presentations Section 1: Human Needs, Poverty and Food Security

Working Group 1: Research Approaches in Macro-Policy Analysis. Partial versus General Equilibrium Models

Peter Wobst

Why the Poor Care About Partial Versus General
Equilibrium Effects. Part I: Methodology and Country Case

Manh Hai Nguyen and Franz Heidhues

The impact of trade liberalisation on comparative advantage of food crop production
in a transformation economy: the case of Vietnam – A Policy Analysis Matrix

Nune Khachatryan, Armen Khachatryan and Matthias von Oppen

Investigation of Production Opportunities and Resource use
Efficiency in Agricultural Production of Armenia

Dietmar Stoian

Frontier urbanization in the Bolivian Amazon: The context of boom
and bust in the extractive economy – a case study approach

Working Group 2: Assessment of Poverty and Livelihood Strategies

Wayah S. Wirotto and W. Schug

Poverty Scoring: A Comparison between Set of Government
Poverty Indicators and the Use of Nutritional Status Indicators of Children Under
five Years of Age for Poverty Targeting in East Flores and Sikka District,
East Nusa Tenggara Province, Indonesia

Evelyn H Back, Veronika Scherbaum, Wehib Bekri, Jürgen G. Erhardt, Hans K. Biesalski and Peter Fürst

Prevalence and Causes of Malnutrition in Urban
and Rural Areas of Harari State, Ethiopia

Arya Hadi Dharmawan and Winfried Manig

Livelihood Strategies and Rural Changes in Indonesia:
Studies on Small Farm Communities

Nestor Ahoyo Adjovi and Patrice Igué Adegbola

Determination of Poverty Level of Rural Households
Anthropological or Quantitative Approach?

Working Group 3: Technologies, Institutions and Policies for Natural Resource Conservation

S. Agne, G. Fleischer and H. Waibel

Economics of Pesticide Policy Reform in Developing Countries -
selected results of a multi-country project

Annette Luibrand and Franz Heidhues

Productivity increasing investments versus resource saving technologies - A case
study on the farming systems of Black Thai in the uplands of north-west Vietnam

Fuchaka Waswa, Helmut Eggers and Thomas Kutsch

Beyond Privatised Land Tenure Per se for Sustainable
Management of Agricultural Land in a Semi-arid Environment in Kenya

H. Leis, W. Mühlbauer and Sri Mulato

Saving of Firewood and Improvement of Smallholder's Income through
Combined use of Solar and Biomass Energy in Crop Drying

Working Group 4: International Agricultural Research: Methods, Strategies and Institutions

Thomas Becker

Participatory Research in the CGIAR

M. von Oppen, S. Abele, E. van den Akker, F. Hartwich, E. Krüsken, U. von Poschinger-Camphausen

Alternatives for Funding Agricultural Research in Developing Countries:
The Potential of Foundations and Funds

Zien-Elabdin Hassan

A Profile of Migrants and Analysis of Remittances in Smallholder
Households in the Village of Molalatau - Botswana

D.E. Leihner

A global strategy for cassava research and development in the 21st century

Poster/Tools Section 1

A. New Products for Poverty Alleviation and Natural Resource Conservation

Katja Heitkämper and Werner Mühlbauer

Improvement of the supply of micro nutrients with
the production of mango-fruit leather in the Philippines

Werner Schenkel, Klaus Fleissner und Ewald Stickel

BAMFOOD - Increasing the productivity of Bambara Groundnut (*Vigna subterranea* L. Verdc) by appropriate utilisation and management of genetic resources

B. Agricultural Research: How to make International Agricultural Research more Farmer Relevant

Ayalneh Bogale

Poverty, Land Degradation and Food Insecurity: The Challenges for Sustainable Livelihood of Rural Households in Ethiopia

Anja Christinck, Kirsten vom Brocke and Eva Weltzien

What is a variety: investigating farmers' concepts as a base for participatory plant breeding in Rajasthan, India

Jörg Joachim Dirks

Small-scale food processing enterprises in Indonesia:
Which elements influence employment capacity?

Vidya Ramachandran and Anke Schürmann

Participatory Impact Monitoring of an NGO-managed Rural Development Programme
Holalkere Taluk, Karnataka State, India

B. Sudhakara Reddy

Sustainable Plantation Programmes through Rural Cooperatives:
Issues of Community Participation and Monitoring

Joachim Sauerborn

Site productivity, the key to crop productivity

Ahmad Zaini, Winfried Manig and Manfred Zeller

Rural Development, Household Welfare and Poverty in Indonesia
(Case Study of Lombok-Indonesia)

Presentations Section 2: Diversity in Tropical Land Use Systems- Culturally, Economically and Ecologically

Working Group 1: Interactions in Agroecosystems

Alexandra Klein, Ingolf Steffan-Dewenter and Teja Tscharntke

Einfluss der Landnutzungsintensität auf Blütenbesucher am Kaffee und Arthropoden am Kakao in Agroforstsystemen in Zentral-Sulawesi

Alexander Wezel

Soil fertility and crop production along toposequences on upland maize and cassava fields of north-west Vietnam

Demel Teketay and Tadesse Woldemariam Gole

Diversity of traditional coffee production systems in Ethiopia: contribution to sustainable yield and conservation of coffee genetic diversity

Wolfgang Reichardt

Sustainability of intensive rice cropping systems in the tropics from a soil biogeochemical perspective

Working Group 2: Land use Planning

J. Wahr, G. Vahlkampf, K. Schmieder, K. Stahr und F. Graef

Luftbildgestützte Erfassung aktueller und historischer Desertifikationsprozesse bei Chikal im Sahel Nigers

Oliver Puginier

The identification and application of communication tools for participatory land use planning at sub-district level in the highlands of northern Thailand

Michael Schulte

Traditionen lokaler Wirtschaft als Grundlage für Ernährungssicherheit und ressourcenschonende Landnutzung in einer bolivianischen Andenregion - Perspektiven im Rahmen politischer Dezentralisierung

Hans-Joachim Droste, Reinhold Glauner and Jochen Heuvelop

Model-based planning and decision making in tropical forest management: an example from Sabah, Malaysia

Working Group 3: Management and Utilization of Natural Ecosystems

O. Braedt, J.-M. Schroeder, J. Heuvel dop and O. Sauer

The Miombo Woodlands – A Resource Base for the Woodcraft Industry in Southern Zimbabwe

Friedhelm Goeltenboth and Annett Goeltenboth

Agroecological comparison of „rainforestation“ farming sites on Leyte, Philippines

Mansur Afifi

Community-Based Management for Coral Reef Conservation
In the Gili Island of Lombok Indonesia

Working Group 4: Ecosystem Functions

C. Beierkuhnlein

Integrating Biodiversity and Ecosystem Functions

Birgit Kundermann, Annette von Lossau and Beate Weiskopf

Managing Agrobiodiversity in Disaster Situations

C. Kuells, E. Salameh and P. Udluft

Assessing water supplies for irrigation - availability
of natural resources and sustainability indices

Poster/Tools Section 2

Antje Bartelsmeier

Alle Kühe sind gleich!? Zur Bedeutung der Beziehungen von Menschen und Tieren in Systemen der Landnutzung - eine interdisziplinäre Aufgabe -

Anja Blume

Sustainable management of natural resources
in Kenya and Tanzania: A gender approach

C. Dohmeyer, B. Heider and R. Schultze-Kraft

Indigenous knowledge assessment of wild and cultivated legume germplasm in Bac Kan Province: An on-going research in North Vietnam

Thomas Gaiser, Valdira de Caldas Brito Vieira and Sebastian Mörtl

GIS-gestützte Zuordnung von Landnutzungs- und Bodenmustern
als Grundlage für die Regionalplanung im Nordosten Brasiliens

Mareike Haupt and Berthold Hornetz

Traditional use of and reliance on the forest among the Luhya people with special regard to the traditional medical system and the use of medicinal plants
in Kakamega Forest, Western Kenya

Ludger Herrmann, Karsten Vennemann Karl Stahr and Mathias von Oppen

The Internet atlas of natural and agronomic resources in Niger and Benin

Gerald Kapp

Management, Conservation and Utilization of the Pacific Chongón-Colonche Mountains in Ecuador: Project Methodologies and First Experiences

Marion Karmann

Miombo woodland utilisation by smallholders in Handeni / Tanzania: Strategies for income generation

Hilary A. Okorie and Ezeanyika S. Ezeanyika

Furthering the Domestication of African Pear (*Dacryodes Edulis* (G.Don) HJ Lam)

Eka Intan Kumala Putri

Die Zahlungsbereitschaft als Nutzenmaß für die Bewertung des Umweltgutes: Eine Bewertung von Gunung Gede Pangrango Nationalpark in Indonesien

R. Schultze-Kraft and M. Peters

Germplasm characterisation of the tropical multipurpose legume shrub *Flemingia macrophylla*: A research project in Colombia and Germany

Bizuayehu Tesfaye and Peter Ludders

Enset clones of the Sidama, Southern Ethiopia: diversity and distribution

Pablo Villalobos

Ökonomische Bewertung alternativer Ökotourismusprojekte und umweltethische Einstellungen der Besucher im Naturschutzgebiet der vierten Region in Chile: Eine kontingente Bewertungsstudie

A. Wezel and E. Schlecht

Inter-annual variation of species composition in semi-arid environments - Implications for vegetation studies

X.C. Xia, M.L. Warburton, D.A. Hoisington, M. Bohn, M. Frisch, and A.E. Melchinger

Optimizing automated fingerprinting of maize germplasm using SSR Markers

Rattaya Yanapan, Sanguansak Thanapornpoonpong, Sangtiwa Suriyong and Udo ter Meulen

Rice Varieties Identification Through Integration of Physical and Chemical Properties

Presentations Section 3: Pressure on Ecosystems, Problems and Possible Solutions

Working Group 1: Impact of Climate on Crop Production

Attanda Mouinou Igué, Thomas Gaiser and Karl Stahr

The impact of climate variability on crop production in Central-Benin

Anna J. Keutgen, Michael M. Blanke and Norbert Keutgen

Climatic Warming and Soil Respiration in Horticulture

Oliver Weidner, Reinhold Muschler, Heiner E. Goldbach and Jürgen Burkhardt

Influence of shade management on gas exchange and transpiration of coffee plants (*Coffea arabica* L.)

Working Group 2: Water Resources Management

Mahdi Osman, Armin Skowronek and Petra Sauerborn

Land and Water Resources Management in Ethiopia:
What did we learn, where do we go?

Matthias Langensiepen, Homero Bergamaschi, Joao Ito Bergonci and Luis Mauro Rosa

Optimizing crop water use by deficit irrigation :
A case study in South Brazil using Corn

K. El-Siddig, G. Ebert and P. Lüdders

Growth and leaf gas exchange of well-watered and water-stressed tamarind seedlings under NaCl salinity

T.H. Hilger, J. Herfort, I. de Barros, T. Gaiser, L.M.F. Saboya, L.G.R. Ferreira and D.E. Leihner

Potential of EPIC/ALMANAC for Crop Growth Simulation in Semiarid Environments of NE Brazil

Working Group 3: Overcoming Stresses in Crop Production **1. Weeds and Insects**

J. Kroschel, D. Müller-Stöver, A. Elzein and J. Sauerborn

Efficacy and Shelf-life of Mycoherbicides for the Management of Parasitic Weeds of the Genus *Striga* and *Orobanche*

Gospel O. Omany, Bettina I.G. Haussmann, Dale E. Hess and Hartwig H. Geiger

Screening methodologies for resistance of Sorghum to the parasitic weed *Striga hermonthica*

Mathias Becker, David E. Johnson and Tim J. Dalton

Cover legumes increase productivity of upland rice under intensified land use in West Africa

Bernd Hardeweg and Hermann Waibel

New approaches in the assessment of desert locust management in Africa

Working Group 4: Overcoming Stresses in Crop Production

2. Pests and Abiotic Stresses

R. A. Sikora, H. Kaack and W. Gassert

Development of integrated crop and pest management for vegetable production in North Africa and West Asia - strategies to reduce disease stress through biological system approaches.

B.I. Niere and R.A. Sikora

Integrated Pest Management in Subsistence Banana Production Systems in East Africa

Heidi T. Heuberger, Jennifer G. Kling and Walter J. Horst

Contribution of N uptake and morphological root characteristics to N efficiency in tropical maize cultivars

Lutz Collet, Carlos de Leon and Walter J. Horst

Screening maize for adaptation to acid aluminium-toxic soils of Colombia

Poster/Tools Section 3

Luki Abdullah, Ronald F. Kühne and Paul L.G. Vlek

Effect of plant residue quality of secondary forest vegetation on phosphate mineralization and immobilization in soil

Faridatul Mukminah, Erizal Sodikin,

Norbert Keutgen, Michaela Schmitz-Eiberger and Marc. J.J. Janssens

Effect of Chilling on Growth and Dry Matter Production of Sweetpotato

M. Wanjiru Wanyoike and H. Buchenauer

Variation in *Fusarium graminearum* isolates and their response to a susceptible and resistant winter wheat.

Presentations Section 4: Farming Systems and Technologies for Crop and Livestock Production

Working Group 1: Farming Systems and Resource Use

Dieter Prinz, Michael Kunzmann, Francesco Palmieri and Irene B. de Alleluia

Desusmo: A Holistic Approach for the Management of Natural Resources under Subtropical Conditions

Philipp Grundmann

Comparative Analysis of the Diversity and its Implications for the Development Potential of Small Farming Systems in the Savannah of Brazil

Armen Khachatryan and Nune Khachatryan

Small farms in transition economy: do they have chances to survive?
Case of Armenia

Houria Djoudi, Irene Hoffmann and Jörg Steinbach

Identifizierung pastoraler Systeme mittels partizipativer Methoden im Mittleren Atlas Marokkos

Working Group 2: Farming Systems and Resource Use

Kirsten Probst, Jürgen Hagmann, Thomas Becker and Maria Fernandez

Developing a framework for participatory research approaches in risk prone diverse environments

Michael Brüntrup

The level of risk aversion among African farmers – results of a gambling approach

Gerd Sparovek, Miguel Cooper, Durval Dourado-Neto, Rodrigo Fernando Maule, Pablo Vidal-Torrado, Edson Roberto Teramoto and Alexandre Christofaro Silva

The Land Evaluation System for Family Agriculture Suitability (SIATe), developed for the Brazilian agrarian reform.

Working Group 3: Technologies for Crop Production

Monika Zurek, Ernst-August Nuppenau and Gustavo Sain

Analyzing the Adoption of productivity-enhancing, resource-conserving (PERC) technologies in Central America using a Logit and a Structural Equation Model

Jean Pierre Ireneé Bognonkpe and Mathias Becker

Native soil N dynamics and use efficiency by lowland rice
as function of slope management

Isabell Pott, Mirjam Bühler, Werner Mühlbauer and Pairote Wiriyacharee

Drying lychee-fruits (*Litchi chinensis*) for preserving quality and Vitamin C

Working Group 4: Technologies for Livestock Production and Aquaculture

Ulfert Focken, Clarissa Marte, Relicardo Coloso and Klaus Becker

Twelve years of co-operative research on milkfish to increase
aquaculture production for local markets in the Philippines

Johnny O. Ogunji and Manfred Wirth

Partial Replacement of Fish Meal with Some Alternative Protein
Sources in the Diet of Tilapia *Oreochromis niloticus*

A.K. Kahi, G. Nitter, W. Thorpe and C.F. Gall

Genetic and economic evaluation of alternative breeding objectives
and schemes using deterministic simulation in Kenya

Narintorn Boonbrahm and Kurt J. Peters

Effect of calf rearing management on milk yield and live weight performance
of crossbred dairy cattle in Thailand

Poster/Tools Section 4

J. Anthofer and J. Kroschel

Macro nutrient balances of two *Mucuna* varieties in *Mucuna*/maize systems
in the forest savannah transitional zone of Ghana

Manfred B. Enoh, Kurt J. Peters, Claudia Kijora and Justin Mbanya

Haymaking Technology to Improve Dry Season Feed Availability
in the Adamawa Plateau of Cameroon

George Francis, Ulfert Focken and Klaus Becker

Improving profitability of small scale farming by integrating fish culture
into traditional rice farming in Kerala state, India

U. Ginting-Moenthe, S. Chakeredza and U. ter Meulen

The influence of fermented Putak (*Corypha elata robx*) on growth performance
of weaner pigs

H.D. Hess, C.E. Lascano and H. Flórez

Blood and Milk Urea Nitrogen as a Tool to Monitor the
Protein Nutrition of Cattle under Tropical Conditions

T. Kongkaew, D.E. Leihner and N. Steinmüller

Soil conservation by vegetative barriers in a maize cover crop system in northern Thailand

Christian Lückstädt, Ulfert Focken, Relicardo Coloso and Klaus Becker

Survey on the use of natural food and supplemental feed in commercial milkfish farms on Panay, Philippines

Solomon Melaku and Kurt J. Peters

Effects of supplementation of sole or mixtures of selected multipurpose trees (MPTs) on feed intake, live weight and scrotum circumference changes in Menz sheep fed a basal diet of tef (*Eragrostis tef*) straw.

Nuchanata Mungkung

Influence of Land Rights on Resource Allocation and Resource Productivity in Northern Thailand

Regassa Ensermu Namara and Winfried Manig

Participatory bread wheat breeding in Ethiopia: A socio-economic assessment

I.G. Permana, U. ter Meulen, G. Flachowsky and F. Zadrazil

Cultivation of *Pleurotus ostreatus* and *Lentinus edodes* on lignocellulose substrates for fruiting bodies and animal feed production

S. Rollinger, A. Hegazi, S. Algothary und J. Müller

Einsatz photovoltaischer Pumpsysteme zur ressourcenschonenden Bewässerung in Ägypten

M.H. Souza de Abreu, W. Manig and M. Ibrahim

A Sylvio pastoral system in northern Costa Rica

Friedrich W. Wissing and Wolfgang Grosse

Reuse of Water in Tropical Agriculture

Birgit Zumbach and Kurt J. Peters

Sustainable breeding methods for smallholder dairy production under unfavourable conditions in the tropics

Poster/Tools Miscellaneous Topics

Cornel S. Adler

Utilisation of heat for tropical stored product protection

Holger Buschmann, Joe Tohme and John R. Beeching

The Biochemistry of Post-Harvest Deterioration of Cassava Root Tubers

Barbara Becker

Präsentation Swiss Centre for International Agriculture

Daghbouche, Nadja; J. Heinzmann and W. Lücke

Ecological and Economic Challenges in Palm Oil Production (EcoPOP)

Mohan Dhamotharan and Thomas Becker

Exhibition - Communication Methods for a Dialogue between Scientists and Farmers

André de Kather

Biosafety Facilitating Tool: a Biosafety Capacity Building Initiative for the Implementation of the Cartagena Protocol

Francis Epulani

Socio-Cultural factors underlying adoption of degraded land-restoring technologies by small holder farmers in Malawi

Matthias Glowatzki

Möglichkeiten und Grenzen solarer Stromerzeugung zur Basisversorgung ländlicher Haushalte in Kenia

Heike Henn

Impact assessment of aquaculture development in India

Daniela Hirsch, José Adolfo de Almeida Neto und Rüdiger Krause

Machbarkeitsstudie zur Sammlung von Altfett und Aufbereitung zu Treibstoff in Salvador da Bahia, Brasilien

Marc J.J. Janssens and Jürgen Pohlan

Agricultural Mining in Ethiopia and Congo-Kinshasa

Keshab R. Pande

Brooding Hen for Resource Poor Women and Children

Thomas T. Raussen and David Siriri

Increasing crop yields while producing wood: The potential of improved tree fallow in the humid highlands of Southwestern Uganda

R.S.S. Santosa and U. ter Meulen

The influence of working time on physiological status and working capacity of buffaloes worked on shallow and puddle land

Uwe Schleiff

A Portable Field Laboratory for Management of Saline Environments
and Crop Production

Norbert Steinmüller

Potential ecological and social benefits from globalisation in agriculture

Y. Subagyo and U. ter Meulen

A Study on Fresh Milk Quality Changes From Farmer Stage, Milk Collecting
Centres Until Co-operation Centre (KJUB Supraba) in Banyumas District,
Central Java, Indonesia

A. Suprayogi, U. ter Meulen, T. Ungerer and W. Manalu

The Influence of *Sauropus androgynus* (L.) Merr. on Population of Secretory
Cells and Synthetic Activities in the Mammary Gland of Lactating Sheep