Agroforestry and agroclimate information in research, policy and education

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Lao Uplands Conference, Luang Prabang
March 12-14 2018
Environmental degradation

Climate change & extreme events

Development lags

Markets

Food security

UPLAND LANDSCAPES

Paddy fields

Homegarden

Slopingland

Agroforestry

Rice (-fish) + & trees

Coffee/tea & shade trees + grass strips + intercropped w annual crops

Fruit trees + grass strips and/or crops

Fruit trees + annual crops + livestock

Sustainable forest management

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Sustainable forest management
Definitions, new terminology

GAPS

- **Changing terminology:**
  Sustainable ag, ecosystem ag, green growth, climate-smart ag, ecosystems based adaptation, ....

- Agroforestry is the ‘solution’ – but **what is “agroforestry”?**
  Where can it be planted?

- No Department of Agroforestry

- Lack inventories of agroforestry → agroforestry invisible/vague in the NDC, SDG

ONGOING

- Joint events

- **Viet Nam MARD Technical Working Group on Agroforestry**
  to evaluate the role of the most important agroforestry systems and potential contributions to NDC and Bonn Challenge

www.worldagroforestry.org

**GAPS**

- Pilot-projects, small-scale impacts
- Policies support monocultures rather than integrated systems
- Tenure insecurity
- Agroforestry takes years to mature

**ONGOING EXAMPLES**

- AFLI project NW Vietnam, ICRAF
  - Speeding up return-on-investments by grafting, multi-storey, increased resource use efficiency
  - Germplasm, market value chain, extension training

- ASEAN White Paper on Agroforestry → Guidelines

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[www.worldagroforestry.org](http://www.worldagroforestry.org)
CGIAR CCAFS Climate-smart villages

Climate smart villages
• Demonstrations sites for testing climate-smart agriculture (CSA) technologies and approaches to scale out practices
• Exchange between CSVs and government officers

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Dr Thavone Inthavong, NAFRI
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Breeding coffee for agroforestry systems

Decision support tool to select trees in agroforestry systems 2018

- **Implemented by:** CIRAD & ICRAF
- **Objective:** develop shade tree advise tool (open source)
- **Countries:** Laos and Vietnam; + China, Ghana
- **Partner:** Bolovens Coffee Cooperative cpc-laos.org
- **Donor:** CGIAR

Contact: Philippe.Vaast@cirad.fr

Illustration: www.rootcapital.org
Extension Education

GAPS

- Agroforestry design: extension workers often trained in agriculture OR forestry
- Interpreting meteorological information to agriculture advice
  - No agroadvisories for agroforestry
- Gender awareness

ONGOING

- Training manuals
  - ASEAN training manual for agroforestry
- Agrometeorological forum
  - ACIS project: Forum for farmers, meteorological staff and agriculture planners
  - Gender sensitisation, equal participation, gendered groups, ensure both gender of trainers
  - Women’s WhatsApp groups

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www.worldagroforestry.org
Southeast Asian Network for Agroforestry Education

SEANAFE (1999 – ongoing)

- **Mission:**
  - improve agroforestry education
  - agree on regional strategies for curricula
  - strengthen partnership

- **Countries:** 82 member institutions in Indonesia, Laos, Philippines, Thailand, Vietnam
- Curricula and training manuals
- **Hosted by:** ICRAF, Bogor
- www.seanafe.org

LaoNAFE - Lao Network for Agroforestry Education

- **Members:** Nine institutions, including Faculty of Forestry, National University of Laos, Dong Dok campus, Vientiane
- www.nuol.edu.la
Swedish International Agricultural Network Initiative & Expert groups

**SIANI (2008- ongoing)**

- Open network for multisector engagement
- **Goal:** ensure sustainable agriculture for achieving SDG2
- **Support:** Sida
- www.siani.se


- **Members:** Governments, NGOs, research and training bodies, practitioners
- Review ASEAN Guidelines on Agroforestry Development + Agroforestry training manual
- **Focus countries:** Cambodia, Myanmar, Vietnam
- **Contact:** Robert Finlayson, ICRAF R.Finlayson@cgiar.org
ASEAN Agroforestry White Paper & Guidelines

ASEAN Multi-Sectoral Framework on Climate Change: Agriculture and Forestry towards Food Security

ASEAN Working Groups:
• Forest and Climate Change
• Social Forestry*

ASEAN Sectoral Working Groups:
• Crops
• Fisheries

ASEAN Technical Working Group:
• Agricultural Research and Development

ASEAN Climate Resilience Network

ASEAN Senior Officials:
• Forestry
• Environment

*)Technical support: ASEAN-Swiss Partnership on Climate Change and


www.worldagroforestry.org
Thank you!

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CONCEPT NOTE
Enhancing smallholder involvement in timber concession plantation, Savannakhet

Proposal

- **Objective:** develop integrated eucalyptus concessions plantations with farmer involvement
- **Main applicants:** Medical Committee Netherlands-Vietnam, ICRAF
- **Partners:** government partners in Agriculture and Forestry, Stora Enso Laos, Savannakhet University, Sav. College of Health Science and more
- Plan 3 years USD1,000k

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