WOCAT Side Event at the UNCCD COP13 Ordos, China, September 8, 2017

Scaling-up Sustainable Land Management (SLM) Practices by Smallholder Farmers in Cambodia

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Outline

1. Project overview
2. What we have done
3. Next steps
4. Conclusion

Presented by Sophea Tim,
Royal University of Agriculture, Cambodia

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1. Project overview

• Full title
  Scaling-up Sustainable Land Management (SLM) practices by smallholder farmers: working with agricultural extension services to identify, assess and disseminate SLM practices

• project duration
  February 2016 – March 2019

• Project overall goal
  to enhance the resilience of communities and their smallholder farmers to climate change shocks as well as pressures exerted by population growth, rapid urbanization, and economic expansion.

• Project partners
  ▪ Centre for Development and Environment (CDE) of the University of Bern, Switzerland
  ▪ Royal University of Agriculture (RUA), Cambodia
  ▪ National Agriculture and Forestry Research Institute (NAFRI), Lao PDR
  ▪ Uganda Landcare Network, Uganda
Project site

Legend
- Selected Villages
- Mainroad
- Selected Communes
- Selected Districts
- Selected Provinces
- Province Boundary
- Water body

Summary of visited location
- 5 Provinces
- 15 Districts
- 27 Communes
- 50 Villages
2. How we have used WOCAT tools and methods

1. Appraisal Phase Studies
   • Desk review of existing relevant projects related to SLM and CCA
   • Meeting with relevant stakeholders at community, sub-national and national levels
   • Field surveys at the five-target provinces

Consultation workshop “End of Appraisal Phase” on November 24, 2016, to show and discuss the results of the Appraisal Phase studies.
Adaptation of WOCAT tools and methods, and make them available in national language (Khmer)

- Selections and translation of the tools and methods (QT and QA, and Database)

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Capacity building of agricultural officials on WOCAT tools and methods for SLM

- Training of trainers at national level
- Trainings of agricultural officials at provincial and district levels of 5 provinces
- Training of trainers on QM & LD mapping

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Documentations of SLM best practices done by smallholder farmers

- Field data collections
- Data entry in WOCAT database
- Publish the documented SLM technologies and approaches both in Khmer & English on:
  - WOCAT global database and
  - Relevant national web-based portal
- Developments of SLM knowledge products
  - leaflets, posters, calendar
  - SLM tech & App booklets,
  - SLM general & instructional videos etc.
Documented SLM best practices in WOCAT global database

Home Garden (Pomelo, Lemon, Supplementary Crops) [Cambodia]
Growing mixed crops including pomelo, lemon and other supplementary crops within a home garden, using only cattle and chicken manure without chemical fertilizer. The purpose of this technology is to have various harvests, generate household incomes especially from lemon tree which is the long-time crop providing continuous harvests and easy ...

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Agroforestry: Eggplant cultivation technique between lemon trees [Cambodia]
Eggplant cultivation between lemon trees by applied restroom residue with crops residue to improve soil nutrient instead chemical fertilizer.

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Integrated farming system using semi-automatic irrigation system [Cambodia]
Integrated farming system by using semi-automatic irrigation system, including grapefruit, mango, Thai tamarine, Lao tamarine, and lemon. The system also has pigs raising and pond for water harvesting and watering the crops using the drip irrigation system to row of each pomelo.

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Agroforestry: intercropping of pineapple between orange and mango ... [Cambodia]
Agroforestry technique that contains pineapple between mango and orange trees to maintaining soil nutrient, soil moisture, enhancing economic and crop yields with good market.

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3. Next steps

Enhanced policy & incentive framework, Consolidation and synthesis of SLM scale-up SLM and climate-resilient practices

Consultation workshop at national level for scaling-out of SLM technologies

Set up on-farm demonstration at different agro-ecological zones

Identification of agro-ecological zones and relevant stakeholders
Training of trainers (ToTs) on WOCAT decision support tools
Stakeholder workshops on WOCAT DS tools by agro-ecological zones
Conclusion

- The standardized tools and methods of WOCAT are applied to scale up SLM practices in Cambodia, with the capacity building of agricultural officials from national to local levels.

- Local accessibility to the extension products is increasing through the their availabilities in local language (Khmer) version.

- Decision support tools are to be used and results from the stakeholder workshops and on-site demonstrations will be the crucial evidence contributing to enhancing policy framework for scaling-up SLM practices in Cambodia.
Thanks for your attention!