The MOSA Initiative
Promoting Sustainable Agriculture in ASEAN

SNRD WG Agriculture, Bangkok, 14 May 2018

SV Sustainable Agriculture — Sustainable Agrifood Systems ASEAN

GIZ Philippines (ATI-VSU)
What is MOSA?

- MOSA is a 4.5 day training (Modules of Sustainable Agriculture)
- Derived from RISE (Response Inducing Sustainability Evaluation) – a farm sustainability assessment tool
- Aims at developing a more holistic view of agriculture
- Serves as forum to discuss different agricultural concepts
13 Main MOSA - Modules

**ECOLOGY PILLAR**
- Soil
- Livestock
- Nutrient Cycles
- Water and Water Use
- Climate change
- Energy
- Agrobiodiversity
- Plant Protection

**SOCIAL PILLAR**
- Good Quality of Life
- Labor Conditions

**ECONOMIC PILLAR**
- Economic Viability
- Sustainable Value Chains
- Post-harvest losses

**ADDITIONAL:**
- Conservation Agriculture
- Agroforestry
- Organic Agriculture
- Bioenergy
- Mixed Cropping
Application of MOSA so far

- ~20 MOSA trainings carried out in Africa, Latin America, Germany and Asia.
- In ASEAN:
  - 1 regional ToT in Philippines (10/2016): Participants from six countries (Indonesia, Malaysia, Philippines, Lao, Thailand, Cambodia) -> MOSA Focal Points. Adjusted MOSA to ASEAN context (MOSA ASEAN).
  - 1 national ToT in Philippines ATI and VSI (03/2017): Adjusted MOSA to Philippine context (MOSA Philippines).
  - 3 national MOSA trainings in Philippines for extension workers (10/2017 and 05/2018)
  - 1 MOSA ASEAN in Bangkok (AIZ, April 2017) for GIZ staff. 2nd training in May 2018 cancelled.
Further developments

- GIZ-SAS presented MOSA to AWGATE in 2017. *Meeting agreed on MOSA for ASEAN as one informative source for capacity development in ASEAN region. To promote implementation of MOSA for ASEAN, the Meeting supported recommendations, which aim to effectively disseminate knowledge regarding sustainable agriculture, and underlined the continuation of capacity development according to the PoA of AWGATE (2017-2020) (see ASEAN homepage).*

- Discussion during trainings in Philippines:
  - MOSA „modules“ give a good overview on the range of sustainability topics.
  - They are not modules in the sense of practically applicable „extension modules“ to be used by extension agents and farmers.

- Conclusion:
  a) More detailed practical modules need to be developed to promote sustainable agriculture.
  b) Main sustainability gaps need to be analysed (-> RISE, SAFA)
  c) MOSA and new „practical modules“ need dissemination in ASEAN countries.
Regarding a): More detailed practical modules

- Development of dozens of new modules?

- Better to set up an **inventory of training materials** already existing in the ASEAN region.

- To make the inventory **publicly accessible** through platform in ASEAN region (AWGATE homepage, other?).

- Collection of training materials:
  - GIZ for GIZ projects and partners,
  - ATI / MOSA focal points for national and other donor materials.
Category 1: Countries:
- Thailand,
- Vietnam,
- Laos,
- Cambodia,
- Philippines,
- Malaysia,
- Indonesia,
- Myanmar,
- Bangladesh

Category 2: Main Training Topics:
**Crops**
- Rice
- Wheat
- Soya
- Cassava
- Fruit and Vegetables
- etc.

**Animals**
- Cattle
- Poultry
- Swine
- Aquaculture
- Small ruminants
- etc.

**Environment**
- Climate change
- Water
- Biodiversity
- Soils
- Natural Resources

Category 3: Course Information (for each course)

<table>
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<tr>
<th>Course-ID</th>
<th>Language</th>
<th>Course-Name</th>
<th>Description</th>
<th>Year of Design</th>
<th>Source Agency</th>
<th>Region of Implementation</th>
<th>Media Module-ID</th>
<th>Module Name</th>
<th>Link</th>
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<td>eng</td>
<td>Tackling CC through Livestock</td>
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<td>2005</td>
<td>MoA</td>
<td>Thailand</td>
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</table>

Possible structure of the data base (EXCEL -> SQL database)
Regarding b): Analysis of sustainability gaps

- RISE assessment in the Philippines, 15 farms (draft report available)

- Planned RISE assessment in Thailand and parallel testing of SAFA to compare methods?
Regarding c): Further dissemination

- Meeting with MoA Thailand regarding RISE analyses 17\textsuperscript{th} May.
- Regional MOSA training 3\textsuperscript{rd} qrt. 2018 (requested by Thailand).
- Regional experience exchange workshop 3\textsuperscript{rd} qrt. 2018: exchange of RISE results, presentation of inventory, planning of further regional cooperation.
- Other activities 2018 to 2020 (dissemination and anchoring of MOSA contents in curriculae, etc.)?
CD Tool Development → Dissemination

- MOSA Modules
  - Training Inventory
  - Practical Extension Modules
  - RISE, SAFA

- AWGATE (regional, political support)
  - Philippines: GIZ with ATI/VSU
  - Thailand: SAS, MoA
  - OTHERS?

Promoting sustainable agriculture
Questions

1. Can you support the inventory -> training materials?
2. Where should/could inventory be placed and are there other relevant platforms to disseminate information?
3. Other potential national/regional cooperation partners in ASEAN?
4. Options to cooperate with you in promoting sustainable agriculture?
Thank‘s a lot!