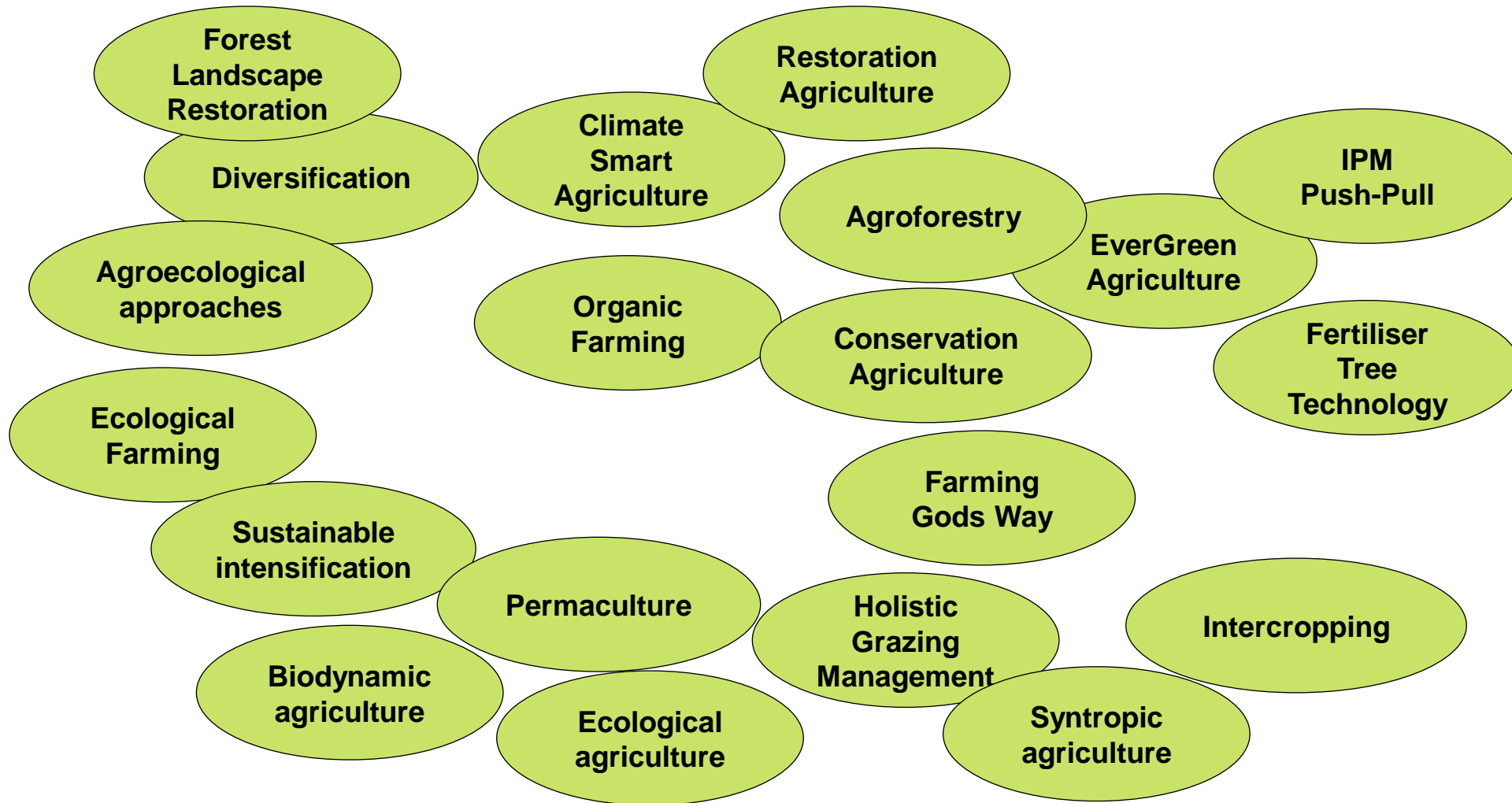


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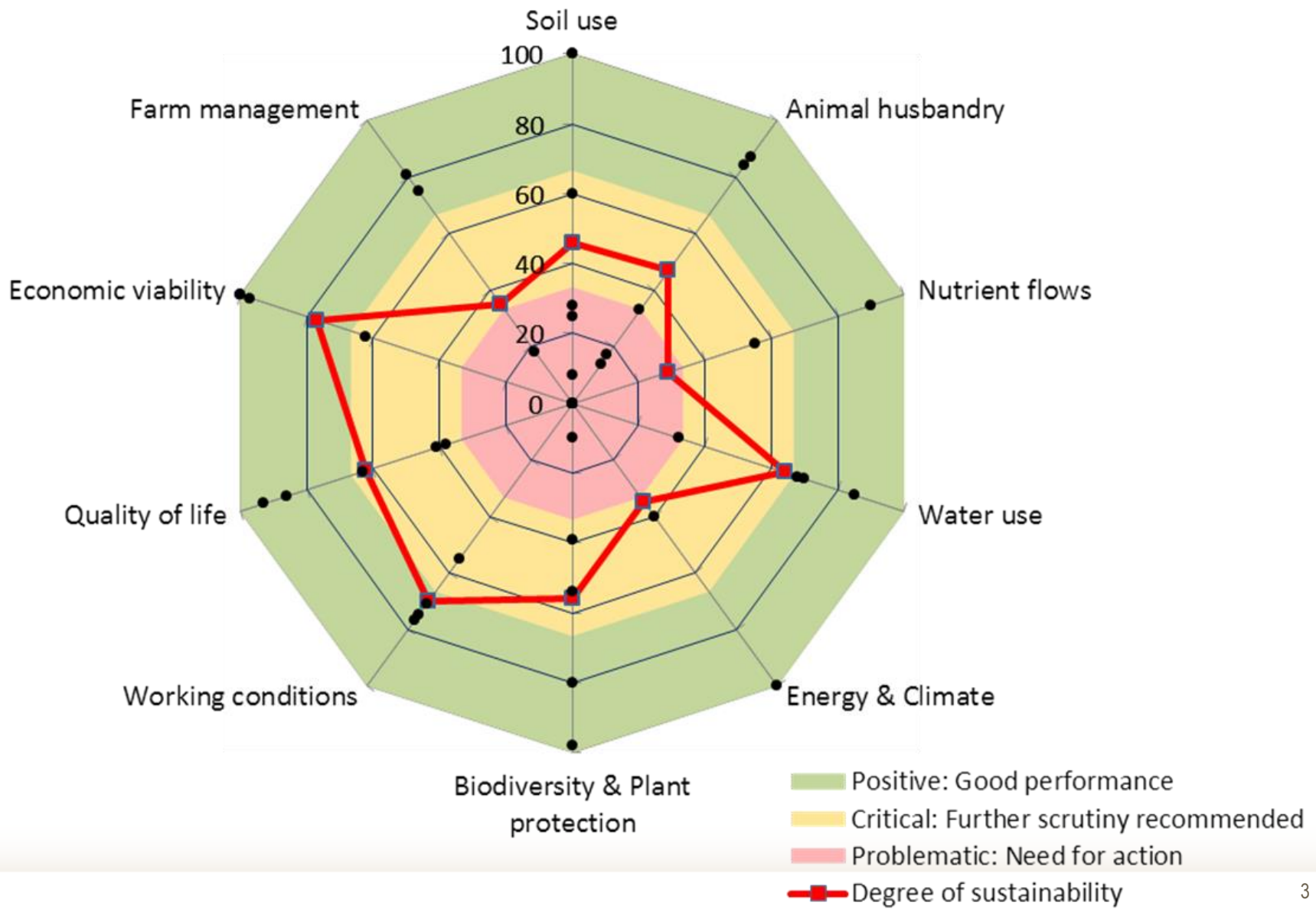
MOSA

Introduction to **Modules on
Sustainable Agriculture**

Sustainable agriculture - many terms



Sustainability at Farm Level: Visualization of the Response-Inducing Sustainability Evaluation (RISE) in form of a spider web or a sustainability polygon





MOSA - objectives

MOSA...

- aims to **provide and create a holistic view** about sustainable agriculture and its present and future challenges
- serves as a **platform of changing and clarifying ideas** and experiences on sustainable agriculture
- presents **some concepts** for deepening discussions (organic agriculture, conservation agriculture, mixed cropping, agroforestry) and additional cassava knowledge through exercises
- Introduces to **sustainability assessment** on farms and the excursion during the training serves as **eye opener for sustainability** issues on the farm



MOSA - modules

Soils

Nutrient cycles

Livestock

Water and water use

Climate

Energy

Agrobiodiversity

Plant protection

Work and working
conditions

Good quality of live

Economic viability and
Farm management

Sustainable value chains

Post-harvest management

Additional modules: Introduction to MOSA, sustainability in general, sustainable agriculture, measuring sustainability on farms, food security and sustainability, bioenergy, organic agriculture, agroforestry, conservation agriculture, mixed cropping, climate resilience, seeds



MOSA - what does it include?

- 13 key modules (**power point presentations –ppt-**)
- **Mosa Reader** (2-3 pages summary of each ppt)
- 4 general ppst (sustainability, elements of sustainable agriculture and measuring sustainability at farm level and Sustainable Agriculture policy)
- **Training of Trainers (ToT) manual**
With didactic remarks, exercises for the existing modules and links to videos and additional ppts to be used according to needs

MOSA - what does it include?

Exercises:

Some MOSA exercises are based on the FAO Book on cassava sustainable intensification

SAVE AND GROW

Cassava

A GUIDE TO SUSTAINABLE PRODUCTION INTENSIFICATION





MOSA - format and methodology

- Each module is designed for up to a 2 hours learning unit.
- Each unit includes an input through a power point presentation (which should be as much as possible interactive) and an interaction phase (working groups, discussions, and exercises).
- In addition, a 2-page hand-out for each module is provided (Reader).
- Through a practical experience you will be introduced to the RISE (Respond Inducing Sustainability Evaluation) tool



MOSA - timeframe

- Each module of MOSA is designed in a way that it can be used independently.
- Therefore, a flexible combination of modules is possible.
- However, MOSA is ideally provided as a full 5-day training containing all modules in order to achieve the learning objectives as proposed.

Expectations from our side



- That you **enjoy** the training and feel well within the group
- To show all different aspects of sustainable agriculture as a **complex system**
- That you **actively participate** in the training course
- That you know MOSA in more detail considering your adaptation proposals
- That you present the modules and give constructive feedback to your colleagues (4.-7.10.)
- To have a successful MOSA training (10.-14.10.) with you as future facilitators
- To handover the adopted MOSA training to you



Expectations from your side?

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Agricultural challenges in the Anthropocene

The **Anthropocene** defines Earth's most recent geologic time period as being human-influenced, or anthropogenic, based on overwhelming global evidence that atmospheric, geologic, hydrologic, biospheric and other earth system processes are now altered by humans:

- Population growth
- Adaptation to an altered global water cycle
- Land is becoming less
- Changing consumption patterns
- Climate change
- Rural structural transformation
- Specialization (crops or livestock) and integrated systems
- Urbanization competing with agriculture



Thank you!