SESSION 3: Transforming education and extension services: From top-down knowledge transfer to more horizontal farmer-to-farmer approaches

#AEEUForum2023
A consortium of 19 Partners (2018 – 2022)

Europe

Africa

Latin America
The 13 educational cases in Nextfood.
THE NMBU ▷ NEXTFOOD ACTION EDUCATION MODEL

- **University**
  - Academic disciplines

- **Students**
  - Observation
  - Reflection
  - Dialogue
  - Participation
  - Visioning

- **Teachers**
  - Observation
  - Reflection
  - Dialogue
  - Participation
  - Visioning

- **Resource persons**
  - Observation
  - Reflection
  - Dialogue
  - Participation
  - Visioning

- **Society**
  - Lived experience
THE INTENDED TRANSITION PROCESS

The NEXTFOOD approach
The intended transition

CONVENTIONAL EDUCATION SYSTEM
TRANSFER OF KNOWLEDGE TO PASSIVE RECEIVERS

TEACHER \[\text{KNOWLEDGE} \rightarrow\text{STUDENT}\]

Supporting Forces \[\rightarrow\]

Hindering Forces \[\rightarrow\]

TRANSITION
THROUGH RESEARCH, DEVELOPMENT AND INNOVATION

Action \[\rightarrow\] Reflection

TRANSFORMATIVE LEARNING
COLLABORATIVE AND ACTION-ORIENTED

University Academic disciplines

Visionary thinking Students

Teachers

Dialogue

Participation Resource persons

Observation

Society Complex reality
Road sign 1: Assess existing educational approaches
Road sign 2: Assemble a team
Road sign 3:
Develop an external network
Road sign 4: Create a shared vision around the Nextfood approach
Road sign 5: Identify prerequisites for success
Road sign 6: Gain institutional acceptance and support
Road sign 7: Design pilot course
Road sign 8: Teach the teachers
Road sign 9: Involve external stakeholders
Road sign 10: Run a pilot course
Road sign 11:
Reinforce interaction with peers and institution
Road sign 12:
Sum-up reflections on course and plan the next cycle
The NEXTFOOD approach
The intended transition

CONVENTIONAL EDUCATION SYSTEM
TRANSFER OF KNOWLEDGE TO PASSIVE RECEIVERS

Supporting Forces

Hindering Forces

Action
Reflection

TRANSFORMATIVE LEARNING
COLLABORATIVE AND ACTION-ORIENTED

University Academic disciplines

Visionary thinking
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Dialogue

Reflection

Teachers

Participation
Resource persons

Society Complex reality

Observation
A vision of the NextFOOD approach

**Competence as goal of education**
- Diversity of learning sources
- Co- and peer learning
- Diversity of learning arenas
- Diversity of assessment methods

**LEARNING CONTEXTS AND ACTIVITIES**

- **External**
  - Course as a learning cycle with a case in the center
  - Stakeholder documents
  - Reflection documents
  - Exercise competences
  - Timely instructions, exercises and theory

- **Internal**
  - Observation
  - Dialogue
  - Participation
  - Resource persons in society
  - Society: Lived experience

**Phenomena as starting point for learning**
- Action-oriented
- Learner-centered
- Non-authoritarian
- Transformative
- Holistic
- Transdisciplinary
- Experiential
- Phenomenon-based

**Approaches**

**Knowledge philosophy**
- Experiences and reflections is foundation for learning and action
- Learning is individual and inter-personal
- Learning is a whole-person activity
- Learning is to build competences