Workshops
'Agronomy and Back to the Ground'

DFBEW / OFATE - 2 April 2020
My Farm

- Pig farm with 200 Sow located in the middle of the French countryside
- 300 ha arable crops, all used for the piggery
- Onsite meat processing: Local sale of pork meat
- Anaerobic Digestion plant since 2010, CHP 170KWe - use of the heat for the piggery and houses
AAMF (On-farm AD plant owner club)

- Nationwide
- 300 members
  - 70 MW Electric power
  - 12 400 Nm3 Biomethane
- Workshops: (Agronomy, Energy crop, conventions)
Workshops: Agronomy & Back to the ground

- Creation in 2018
- A working group composed of:
  - 4 supervisors, to give the working group guidelines
  - 2 animators
  - Active members
- Objective: Capitalize on feedback and produce data for the benefit of all members.
Workshops: Agronomy & Back to the ground

Current research:

- **Concept-dig:** To predict digesters end-product based on digester feeding inputs
- **Methalae:** Evolution of Organic matter levels in fields when digestate is applied

Develop technical papers for the members

- Impact of AD to fields organic matter levels
- Digestate spreading good practices
2 Technical data sheets

- Impacts of methanation on soil OM
- Good spreading practices to limit nitrogen volatilization
Actions

- Research Projects: Current Call for Proposals
- Capitalization of data on the impacts of digestate application on soils
  - Implementation of a protocol and 1st analyses in 2020
  - Working with students at members' homes
  - Objective creation of a soil quality database
  - In project: carrying out humic assessments
- Earthworm study
- Return on operating experience to members:
  - Thematic days
  - Search Results
  - Technical data sheets: Good spreading practices for maintaining air quality, soil quality...
- External communication: Lectures, articles in professional journals, etc.
Earthworm tracking

- **Objective:**
  - Understand the impacts (positive or negative) of spreading digestate on earthworms.
  - Identifying good practices to protect one’s soils

- An observation sheet to be completed after application.
  - 1 hour and then 24 hours after application
  - If possible, a comparison with the spreading of manure