Mid-term Seminar

Steering Animal Production Systems Towards a Sustainable Future (AnimalFuture)

SHEEP

PIGS

CATTLE

LAYING HENS

Partners **INRA, FR**; BoKu, **AT**; LfL, **DE**; CITA-IA2, **ES**; IDELE, **FR**; SRU, **UK**; IST-ID, **PT**; WUR, **NL**

Problems addressed in the project

- AnimalFuture asseses trade-offs and synergies using a multi-dimensional (social, economic, environmental) and multi-level (farm to region to EU) approach to address side- and displacement effects of innovations
- To assure practical relevance and feasibility, stakeholders are involved in all project steps

Objectives

Identify sustainability issues and innovative practices in Animal Production Systems (APS); Define benefit-cost portfolios at farm level when adopting innovative practices; Quantify the impact of innovations on benefit-cost portfolios at farm level; Identify trade-offs between benefits and costs from regional to EU levels; Based on farm data collection in 8 case study regions; develop a decision support system (DSS), enabling actors of the livestock value chain to select the most appropriate innovative practices to achieve sustainable livestock farming; Promote sustainable practices among animal production actors

Interim research findings

Identify and analyse benefits and costs of innovations in APS; Development of a farm model library; Design of the DSS; Comprehensive biophysical database of biomass flows of European agriculture has been established

Future research and activities

- Use the models to simulate impacts of innovations on benefit cost portfolios
- Finalise the DSS and enrich using stakeholder knowledge
- Activities for bi-directional knowledge transfer to be carried out and project findings to be promoted among livestock farming actors

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