

Animal Production Greenhouse Gas Emissions and Research from a Country's Perspective

Country: ROMANIA

Presenter: VOICU ILIE



Climate Research

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ON AGRICULTURAL GREENHOUSE GASES

- Climate Research in your country;
 - Not yet consistent
 - There is a general potential (human, some infrastructure, quite few methods) that can be directed to this field, if funds will be available
 - Climate Research in relation to Agriculture and Animal production;
 - Even more underfinanced (at least from national sources);
 - Still, there is expertise available on – animal nutrition
 - resilience of plants
 - manure management
- => Availability to run national / international programs

HOWEVER, prior investments in specific research infrastructure are needed

Climate Project

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- Example of a prominent climate related project in your country

“Estimation of nutritive value for ruminants of new hybrids of draught-resistant forages”

- What is special about this project?
 - It continues the work of plant breeders
 - It enlarges the choices of ruminants farmers, in the expected context of climate changes (more severe in SE Europe – more frequent draught periods, Romania = underdeveloped irrigation system).
 - They have more options to ensure feed supply, even in draught conditions.

Knowledge

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- What are for your country important knowledge questions related to greenhouse gas emissions in relation to agriculture and animal production?
 - Only few specialists have the necessary knowledge allowing estimation of greenhouse gases emissions;
 - No recent research on the subject (last project = in 2004)
 - Expertise, some infrastructure still existing (e.g. metabolic chambers for large ruminants – to be modernized)

Romania has to comply with the Kyoto agreement and with EU legislation on the subject

Network

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- What are your international connections in this field of research?

On climate change:

- Participant in the network of FACCE MACSUR Knowledge Hub
("Modelling European Agriculture with Climate Change for Food Security")
- Units / bodies involved in GRA-GG network (Animal Task Force, CSIC-Spain, etc.)
- Bilateral connections: INRA (Clermont-Ferrand), etc.

On animal nutrition, in general: (which includes aspects connected with climate change):

- Almost all EU countries (the most important institutes/universities in each country):
(INRA - France, MTT - Finland, Dummerstorf – Germany), Aberystwyth Univ. – UK,
BOKU Univ. – Austria, FINS & IAS – Serbia, IAS – Bulgaria, IAN Nitra – Slovakia,
IAS Vilnius – Lithuania, etc.