



**Agenda of International seminar**  
**in Institute of Technology and Life Sciences ITP**

**15<sup>th</sup> October 2020**

**Multiannual program “Technology and nature projects for innovative and effective and a low-carbon economy in rural areas”.**

**Task 2: Possibilities of reducing greenhouse gases and gases affecting air quality generated by the agricultural sector - technological conditions and economic assessment**

**Summary of multiannual program supported by**  
**Polish Ministry of Agriculture and Rural Development**

**9:30 -9:45** Introduction, invitation and general information about results from ITP measurements (Marek Kierończyk)

**09:45 -10:30** MELS – Mitigating Greenhouse Gas Emissions from Livestock International project at ATB Potsdam and UZG (in place of Professor Barbara Amon, Leibniz Institute for Agricultural Engineering and Bioeconomy, Potsdam; Anna Rychła UZ)

**10:30- 10:40** coffee break

**10:40-10:55** Short information and discussion

**11:00- 11:30** Nitrogen and agriculture - measures and policy" with focus on the Nordic countries  
(Sofie Hellsten Swedish Environmental Research Institute IVL, Sweden)

**11:30-12:00** Estimating ammonia emission from field-applied manure with the ALFAM2 model

(Sasha Hafner, Hafner Consulting LLC Reston, Virginia, USA and Aarhus University Department of Engineering Aarhus C, Denmark)

**12:00-12:40** Linking nitrogen input, ammonia emissions and environmental effects from agriculture: Using the GAINS model

(Wilfried Winiwarter, International Institute of Applied Systems Analysis, Air Quality and Greenhouse Gases Laxenburg, Austria, Institute of Environmental Engineering, University of Zielona Gora)

**12:40-13:00** Technical break

**13:00- 13:35** Possibilities of reducing greenhouse gases and gases affecting air quality generated by the agricultural sector -technological conditions and economic assessments

(Paulina Mielcarek-Bocheńska, ITP Poznań)

**13:35-14:10** Estimation of greenhouse gas emissions and absorption from grassland agroecosystems in specific soil-moisture complexes (Tymoteusz Bolewski, ITP KOB Bydgoszcz)

**14:10-14:40** Ammonia emission from agriculture. Results of experiments how to decrease emissions of ammonia in Polish Agriculture case studies

(Marek Kierończyk, ITP KOB Bydgoszcz)

**14:40-14:50** coffee break

- 14:50-15:10** Milkey project Decision support system for sustainable and GHG optimised milk production in key European areas (Marek Kierończyk)
- 15:10-15:40** Research focused on ammonia emission from cattle production and methods to decreasing its emissions (Kamila Mazur, ITP Warszawa)
- 15:40-16:10** Techniques of mitigation GHG and ammonia emissions in animal production (Witold Wardal, ITP Warszawa)
- 16:10-16:30** Conclusions and summary of seminar and discussion (participants and guests)

*From technical side all presentation will be carried out in English only*

Transmission will be at Webex Cisco platform before earlier registration by sending e-mail to:

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Details for participants will be send only by e-mail addresses

Internet transmission upload 2-4Mbps

*All materials from seminar with permission of authors will be printed in Polish*