



Ammonia & Greenhouse Gas Emission  
from Animal Production Housing

## **FINAL CONFERENCE**

**9-10 September, Ghent, ILVO, Belgium**  
*Hybrid format*



Ammonia & Greenhouse Gas Emission  
from Animal Production Housing

**LivAGE** is a **COST action (CA16106)** with overall objective to enhance international discipline cooperation so as to exchange ideas, share good practices and assess technologies that could result **in reducing the emissions of ammonia and GHGs from livestock buildings** and thus to lead to a more environmental friendly and sustainable livestock production.

Project starts: April 2017  
Project end: September 2021

# 34 participants



## Main objectives

- ❑ Assessment of techniques that could be applied to monitor GHGs and ammonia concentration will be assessed
- ❑ Compilation of a reference methodology to calibrate over methods and to have standard protocols that will make easy the comparison of the results and to certify the measured emissions levels.
- ❑ Establishment of an agreement on measurement methodologies and techniques that will allow comparing results from different experiments carried out across Europe
- ❑ Environmental assessment using the Life Cycle Approach
- ❑ Development of a dissemination and exploitation strategy



## Main activities

### Short Term Scientific Missions

- Lasts from 1 to 6 months in subjects related to the activities of the Action.

### Training schools

- One training school per year is organized in different countries.

### Workshops

- 1-2 every year usually combined with larger events for exchanging information and developing synergies and collaboration

### Conferences

- One conference, at least, is organised every year



# Working Groups

WG1: Monitoring indoor climate and gaseous emissions from animal production buildings

WG2: Modelling ammonia and GHG emissions from animal production buildings

WG3: Environmental assessment of housing systems and emission reduction technologies

WG4: Dissemination activities



## International Panel

A special panel from International experts relative to the activities of the Action have been formed. Well known organizations and researchers from USA, Brazil, Korea, Australia and China have already shown their interest in participating and following as close as they can the progress and activities of the Action.

## Industrial Platform

An industry platform is created from industry and farms which will show interest to the results of the Action. Industry platform will actively participate in the workshops and conference of the Action, it will closely follow the progress of the Action.

## Policy Makers

Direct links are established with the European Union (relevant DGs, e.g., Research, Environment, Agriculture) and existing European networks. Links will also be established with national and international societies interested in problem of environment air quality and air pollution



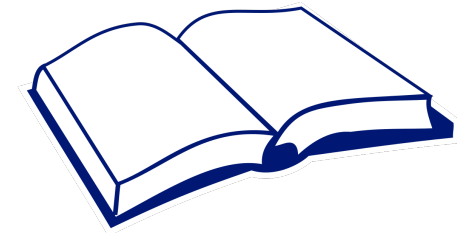
## Summary of the results

<input type="checkbox"/> Short term scientific missions	20
<input type="checkbox"/> Workshops	12
<input type="checkbox"/> Training schools	5
<input type="checkbox"/> Conference	3
<input type="checkbox"/> Publications	12

**SPRINGER NATURE**

Edited book

Technology for  
Environmentally Friendly  
Livestock Production



12 chapters





## Contact details

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