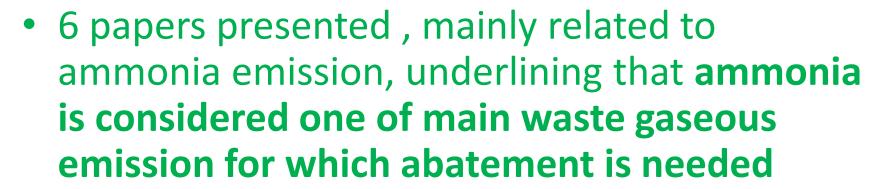
## Parallel Session 4: Sub-theme 3 Gaseous Emissions

Co-Chairs: P. Balsari, T. Curran



- Need to improve/update national inventories: use of models could be a suitable tool
- Still need to validate laboratory trials with full scale ones

## **Key Points**

- Dairy cow housing floor aluminium sulphate most effective - robotic scrapers?
- Naturally vent cattle buildings 16.2 g NH3/lu/d
- Water/acid did not decrease N20 or CH4 from stored slurry with a crust
- NH3 & H2S lower if pig slurry acidified daily rather than twice per week
- Solid digestate during storage small scale experiment leads to high N2O emission factor
- Models good to predict NH3 during storage