Parallel Session 4: Sub-theme 3
Gaseous Emissions
Co-Chairs: P. Balsari, T. Curran

- 6 papers presented , mainly related to ammonia emission, underlining that **ammonia is considered one of main waste gaseous emission for which abatement is needed**

- 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 NH_3/lu/d

- Water/acid did not decrease N_2O or CH_4 from stored slurry with a crust

- NH_3 & H_2S lower if pig slurry acidified daily rather than twice per week

- Solid digestate during storage - small scale experiment leads to high N_2O emission factor

- Models good to predict NH_3 during storage