

## Summary

### **Nitrogen cycling in terrestrial and aquatic ecosystems:**

**microbiological processes**, focus on biological N<sub>2</sub> fixation, denitrification

**gas fluxes**, N<sub>2</sub>, N<sub>2</sub>O, NO, HONO

**modelling**, N<sub>2</sub> fixation, denitrification

**atmospheric impacts** NH<sub>3</sub>, N<sub>2</sub>O

**and global change feedbacks**: elevated CO<sub>2</sub>, warming, drought, flooding