

Definition of wetlands

virgin peatlands

mineral wetlands

riperian zones

Managed peatlands

drained

Wetlands STATUS

Good knowledge of

- CH₄, CO₂

- Virgin wetlands



Uncertainties

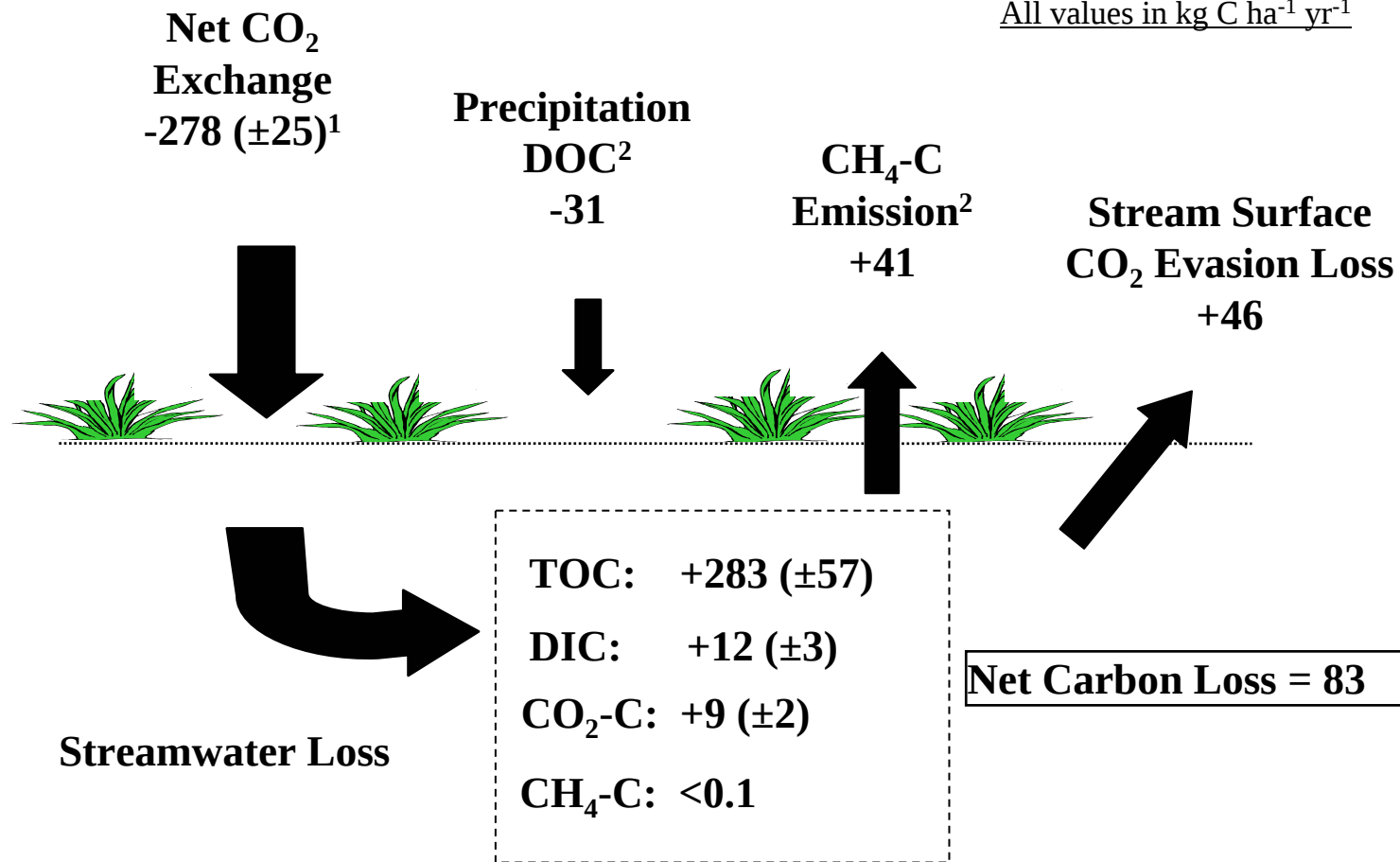
- C&N transformations in drained & restored peatlands/ wetlands
- How important are
 - DON, DOC,
 - N_2O , N_2 , NO_x ,
 - BVOC & aerosols.
 - Transport of gaseous N by plants
- Link to limnic systems
- How well can DON/DOC be modelled?

Priorities

- Review existing data
 - (non English) literature
 - workshop to disseminate this info
- Link C&N budgets at catchment level
 - Atmosphere – soil –limnic systems
- Review the need to measure DOC/DON at all wetland sites
- Is N₂ important in disturbed wetlands?

Link atmosphere – soil – limnic system

All values in kg C ha⁻¹ yr⁻¹



¹Mean (±SE) of different (n=13) consecutive 12-month NEE values

²Literature based values