

WP1: Field Measurements

- Bosco Fontana
 - Finish data submission next 6 weeks
 - Emphasis on data analysis & writing (some names against papers)
 - 4 papers promised for month 30
 - Meeting required as deadline & to get people together
- Flux network
 - Good progress
 - Finish first data submission
 - Urgent need for O₃ flux unified methodology (ABBA/ECLAIRE paper)
 - All data by end March
 - Meeting end May

WP1: Field Measurements (cont)

- Some cross-cutting analyses with names
 - O_3 effect on GDP – detectable in field data?
 - ECLAIRE VOC emissions factor database (inc. lab work)
 - O_3 flux attribution (stomatal / non-stomatal)

WP 2: New opportunistic collaborations

- New opportunistic collaborations:
 - Bonn – Juelich
 - Test of aerosol effect on drought resistance in Juelich plant chamber
 - CNR - CEH Bangor
 - Adding VOC measurements to N treatment solardome experiments
- How to use new findings:
 - NO production in plants
 - Wicking effect of aerosols

WP 3: Emission modelling

Dynamic NH₃ emissions:

- Mechanistic approach
 - Grazing (urine) emissions
 - Organic fertiliser emissions
- Simplified approach (temperature adjustment)
 - Level of simplification

NO_x:

- Use of new ECLAIRE data for validation of landscapeDNDC
- Coupling to EMEP / CTMs

VOCs:

- No presentations
- Full potential of ECLAIRE community being exploited?

WP4: Bi-directional exchange modelling

- Great progress with ESX!
 - DOS3E development and input of new photosynthetic model
- Modules can now be developed
 - Leaf wetness & water volume
 - In-canopy turbulence
 - Chemistry
- Way forward still do be decided
- Less discussion of big-leaf model development

Plans for flux data analysis & interpretation

- Work with Silvano on extending analysis of O₃ effect on GPP to other network sites.
- Flux measurements popping up at unexpected places, e.g.
- asdf