C4: Ecological responses at European scale:
Agreements in view of deliverables in coming year

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- WP14 deliverables

  - D14.4: Model runs using ECLAIRE scenarios of future emissions and climate change (Month 30) and D14.5: Ensemble dataset of model runs to assess the impact of combined air pollution and climate change scenarios on ecosystem C/GHG balance (Month 36).

Agreement on

  - Model protocol agreed in terms of scenarios for climate change, air quality change and land use change and assess impacts of individual drivers

  - Additional individual model assessment

  - Use of databases for regional scale model validation

Agreements in view of deliverables in coming year

- Agreements that all model runs will be made with:

  - one combined Eclaire climate and emission scenario up to 2050,

  - Using original climate data at hourly or daily resolution (no bias correction)

  - assuming no land use change

  - assessing individual impacts of changes in CO_2 exposure, O_3 exposure, N deposition and climate

Agreements in view of deliverables in coming year

- Individual models will asses impacts aspects not included in the intercomparison, including:

  - Running the models up to 2100 or longer.

  - Including results from various climate models.

  - Comparing impacts of original and bias corrected precipitation and temperature data at daily resolution.

  - Accounting for changes in land use.

  - Accounting for impacts of a changing forest age structure and forest management.

Agreements in view of deliverables in coming year

- Validation data agreed upon are:
  - GPP estimates for Europe from interpolation of flux tower data by Beer et al., (2010). Science, 834-838
  - NPP and Rs data from literature reviews on experimental additions, focus on the control sites:
  - Changes in carbon stocks in trees at ICP forest sites

Agreements in view of deliverables in coming year

- WP15 deliverables

  - D15.3: The VSD+-Props models linked to European databases and MADOC-Multimove to UK databases (Month 30) and D15.4: Assessments of the effects of combined air pollution and climate change scenarios on plant species diversity and soil quality (Month 42)

- Agreement on

  - Focus not only on red list species but also be aware of the loss of typical species

Agreements in view of deliverables in coming year

- WP16 deliverables

  - D16.3: Map of novel critical N loads (Month 34) and D16.4: Map of critical N load and critical ozone uptake exceedances by comparison with EMEP model results (Month 40).

- Agreement on

  - Use of inverse VSD+ Props approach for deriving CLN at European scale

  - Focus on deriving critical abiotic conditions in view of a relevant species indicator and use of that approach in WP17 (zooming)

Agreements in view of deliverables in coming year

- Deliverables WP17

  - D17.3: Assessments of uncertainty of critical thresholds for N and their exceedances due to model resolution. (Month 44).

- Agreements on harmonization

  - Use of one consistent approach for upscaling

  - Use of one method to assess CLN (inverse VSD+Props method), also used in WP16. Focus on deriving critical abiotic conditions and gathering hydrological data for UK.

  - Use best possible methods to assess high resolution N deposition (not harmonized in terms of used models).

(NB: When NitroScape is available, the method to use)