

Joint Expert Group on Dynamic Modelling (JEG DM) current status

- 14th JEG DM meeting was held in 2013.
- Meeting attracted 20 experts from 13 countries representing ICPs Waters , IM, CCE of ICP M&M, CIAM, EMEP and WGE bureau.
- Co-chaired by UK and Sweden
- Report available <http://www.unece.org/env/clrtap/wge33.html>

JEG DM 2013 meeting objectives :

- (a) to examine progress in dynamic modelling of acidification, nutrient nitrogen and heavy metals;
- (b) to examine progress in modelling of biological response;
- (c) to examine progress in modelling of terrestrial carbon sequestration;
- (d) to assess progress in dynamic modelling of climate change/air pollution interactions;

JEG DM 2013 report highlights

- Surface waters in 6 countries have been improving since 1980s with respect to indicators of biodiversity
- CCE presented an example of linking plant diversity to abiotic parameters to map critical loads
- UK (CEH): presented a short list of preferred biodiversity indicators with widest acceptance. Work to be continued.
- Ecosystem services: DM could provide link between ES and air pollution (O₃ effect on plants, N effect on eutrophication and C sequestration, air pollution effects on drinking water quality
- and more...

JEG 15 meeting, Oct 29 – 31, 2014, Sitges, Spain

Meeting will be co-organised together with the Swedish Clean Air & Climate Research Program, SCAC (www.scac.se)

Agenda

- Nitrogen as a nutrient in terrestrial and freshwater systems
- interactions between nitrogen, carbon and phosphorus;
- biological responses and targets;
- heavy metals; base cations; ozone;
- Ecosystems services approach and possible links to DM
- consistency in approach under different international policies and conventions, such as the Water Framework Directive, the Convention on Biological Diversity and the Air Convention;
- Call for data

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JEG DM beyond 2014

- In 2013 UK withdrew from co-chairing the expert group, JEG DM currently chaired by Sweden
- 3 preconditions of continued existence: i. mandate from WGE, ii. national support for chair(s) and iii. interest of the experts to take part in the work of JEG
- JEG DM forum for experts from across WGE, non ICP-specific, focused on addressing questions raised within whole WGE and to co-ordinate efforts on solving these. Also an outreach to modelling activities outside WGE.
- Further explore possibilities to merge future JEG DM meeting with another WGE (e.g. ICP) meeting