



CDM

3rd MEETING OF THE CENTRE FOR DYNAMIC MODELLING (CDM)
6 APRIL – 8 APRIL 2022

Calipolis Hotel, Sitges, Spain

PRELIMINARY AGENDA

Time schedule for the meeting

Wednesday, 6 April: lunch available 12.30; meeting starts at 14.00; coffee at 15.30; finish at 17.00.

Thursday, 7 April: Online participation opened for testing at 8:30, meeting start at 9.00; coffee at 10.30; lunch 13.00-14.00; coffee at 15.30; finish at 17.00. Reception at Calipolis hotel bar 19:00 – 20:00

Friday, 8 April: start at 9.00; coffee at 10.30; finish at 12.00, lunch available

Format of the meeting

Most of the time will be devoted to presentations followed by discussions. The Floor will be opened for a discussion after each presentation including discussion on conclusions for the meeting report.

Wednesday and Friday sessions will be a physical meeting at the meeting venue. Thursday sessions (morning and afternoon) will be opened for online participation. The link to the meeting is the same for both sessions: [Click here to join the meeting](#)

The online option will be opened at 8:30 on Thursday for those who want to test the connection. To test the connection might be especially beneficial for online presenters.

Wednesday afternoon 14:00 – 17:00: update on CDM work plan and activities

- Introduction: Welcome, current status of CDM and goals of the meeting (Filip Moldan, CDM, IVL, Sweden)
- Current activities of WGE (Isaura Rabago Juan-Aracil, WGE, CIEMAT, Spain)
- Upcoming CCE Activities (Thomas Scheuschner, CCE, UBA, Germany)
- Surface waters recovery from acidification - re-survey of 1000 lakes in Norway (Øyvind Kaste, NIVA, Norway)
- Forest growth responds more to air pollution than soil acidification (Jakub Hruska, CGS, Czech Republic)

- Nitrogen budgets and the link to carbon sequestration in the Nordic forests (Sara Jutterström, CDM, IVL, Sweden)
- Biodiversity based critical loads in Denmark (Jesper Bak, AU, DK)

Thursday morning 9:00 – 13:00: update on scientific progress on work with models

- Predicting N and acidity effects on element fluxes and biodiversity (Ed Rowe, CEH, UK)
- Response curves of habitat types for nitrogen deposition based on European data (Wieger Wamelink, WUR, NL) **online**
- Modelling activities at ICP Vegetation (Felicity Hayes & Katrina Sharps, ICP Vegetation, CEH, UK) **online**
- New MAGIC developments/modules – preliminary results from the CatchCan project (Øyvind Kaste, NIVA, Norway)
- VSD+, MetHYD and GrowUp models ion Bulgaria (Ivo Ihtimanski, BEEA, Bulgaria) **online**
- Effects of tropospheric ozone and atmospheric nitrogen deposition on Mediterranean terrestrial ecosystems and crops in Spain: critical loads and levels and risk assessment modelling (Ignacio González Fernández, CIEMAT, Spain) **online**

Thursday afternoon 14:00 – 17:00: update on scientific progress continued, CDM long term strategy

- Plans for modelling activities at ICP IM (Martyn Futter & James Kurén Weldon, ICP IM, SLU, Sweden) **online**
- Does eDNA have potential as a tool for biodiversity assessment? (Tage Vowles, CDM, IVL, Sweden) **online**
- The impact of variable DOC concentrations on modeling recovery from acidification (Johanna Stadmark, CDM, IVL, Sweden)
- Dynamic Modelling of Soil Organic Carbon: links between C Persistence and N cycling (Jack Cosby, CEH UK)
- How much was the N deposition driving changes of numbers of oligotrophic plant species over 50 years in temperate forests - an example from the Czech Republic (Tomas Chuman, CGS, Czech Republic) **online**

Friday morning 9:00 – 12:00: future plans for CDM within ICP M&M, meeting report

- LRTAP and N Deposition: Missing Drivers in the New Focus on Soil Health (Jack Cosby, CEH, UK)
- Meeting report (all)
- Meeting reflection (Maximilian Posch, Europe)
- Next steps for CDM and meeting close (Filip Moldan, CDM, IVL, Sweden)