



OIKOS Satellite Symposium

# Sharing Biodiversity data for re-use: Informatics tools and processes in Ecology

Lund University, 6 February 2017

**What is Biodiversity Informatics and how can it be useful for ecological research?  
Welcome to learn more at this symposium.**

By lending access via the Internet to biodiversity data in open data infrastructures, biodiversity informatics worldwide allows anyone, anywhere to access and analyze data about all types of life on Earth. In applying common standards, research not previously possible is enabled, and better decisions to conserve and sustainably use the biological resources of the planet made possible.

This symposium will give an overview of present and future opportunities alongside recent research presentations and demonstrations of up-to-date tools for providing and acquiring information, handling data and presenting results.

The symposium is arranged as an Oikos Satellite Symposium but is open to all interested.



**Organisers:** ArtDatabanken SLU, Department of Ecology, SLU, Swedish Museum of Natural Sciences, GBIF Sweden and Swedish LifeWatch.

**Date and time:** Monday 6 February 2017, 9:00–16:30

**Location:** Ecology Building, Lund University

**Cost:** Free of charge (lunch not provided)

**Programme and registration:** [www.slu.se/biodiversity-informatics](http://www.slu.se/biodiversity-informatics)

## Programme at a glance

### Presentations

- Welcome/Practical information
- Plenary: Donald Hobern, GBIF, Denmark. *Global Biodiversity Information Outlook: Where do we stand?*
- Ulf Gärdenfors, ArtDatabanken SLU. *A Swedish research infrastructure for biodiversity data*
- Anders Telenius, NRM Museum of Natural History. *GBIF-Sweden as a Partner in the Global Biodiversity Informatics Community*
- Alejandro Ruete, SLU and Greensway AB. *Ignorance Scores for Primary Biodiversity Data*
- Nick Isaac, the Centre for Ecology & Hydrology, UK. *Extracting time series from occurrence records*
- Åke Lindström, Lund University.
- Exhibition/demonstrations  
*Lunch*
- Dawn Field, Biodiversity Institute Oxford, UK.  
*Simulating social-ecological systems with Digital Ecosystem Avatars*
- Alexander Zizka, University of Gothenburg. *speciesgeocodeR and sampbias: new tools for detecting erroneous coordinates and accessibility bias in biological collection data*
- Matthias Obst, University of Gothenburg  
*Calculating Essential Biodiversity Variables (EBV) for species population abundance – a case study from plankton monitoring data in the Baltic Sea*
- Exhibition/demonstrations, continued
- Open discussion/Concluding remarks

### Exhibitions/Demonstrations

- Holger Dettki, SLU. *The Analysis Portal for Biodiversity Data (Swedish LifeWatch)*
- Anna-Lena Axelsson, SLU. *Aggregated data, maps and microdata from the Swedish National Forest Inventory*
- Kjell Bolmgren, SLU. Swedish Phenology Network. *A European phenological database*
- Bengt Karlson, SMHI.
- David Martin, C.S.I.R.O. Australia. *Open Source techniques in support of Biodiversity Data: Examples from the Atlas of Living Australia*
- Markus Skyttner, NRM Museum of Natural History. *R for computation and biodiversity analysis: Mirroreum and EU BON R packages*
- Anders Telenius, NRM Museum of Natural History

For updated version of programme and abstracts, see [www.slu.se/biodiversity-informatics](http://www.slu.se/biodiversity-informatics)