



International workshop on ecological connectivity modelling

Kraków, Poland, 6-9 March 2018

Workshop description

Ecological connectivity is essential for maintaining resilient and viable populations of many species, particularly of those restricted to fragmented habitats or metapopulations facing climate change. Participants in this workshop will gain an understanding of the current state of the art in techniques and methods used for assessment of both **structural connectivity** (physical distribution of favourable habitat patches) and **functional connectivity** (how for a given species habitat patches facilitate the movement of individuals and their genes). You will learn to how to analyse and handle species distribution and environmental data and to apply state of the art techniques for modelling habitats, connectivity and species flow as well as assessing connectivity value for given species, including instruction in the use of open source software such as R, QGIS, MaxEnt, Circuitscape, ArcGIS.

The workshop will be organised around four major topics related to four main steps in connectivity assessment:

- TOPIC 1: SPECIES AND RELATED ENVIRONMENTAL DATA
- TOPIC 2: HABITAT MODELLING
- TOPIC 3: CONNECTIVITY MODELLING
- TOPIC 4: CONNECTIVITY ASSESSMENT

The workshop is open to young scientists, **PhD students and postdocs**. During the workshop, there will be a poster session where participants have the opportunity to present their current relevant research work.

Important dates

- **8 December 2017** Open call for applications
- **12 January 2018** Deadline for applications
- **20 January 2018** Acceptance of applications
- **25 January 2018** Registration and participation confirmation
- **6-9 March 2018** Workshop



Registration and more information on <http://www.geography.sav.sk/conskpl/index.php/events>

The application will require a statement of motivation, a link to your professional webpage or ResearchGate site and an abstract for a poster of your current research.





Teachers

The workshop will be conducted by an interdisciplinary group of scientists from research institutions all over Europe (Germany, Poland, Slovakia, and Switzerland). The expertise of this group ranges from remote sensing to ecology, with a focus on land system science and ecosystem functioning.



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Venue

The workshop is hosted by **the Institute of Geography and Spatial Management at the Jagiellonian University** (Gronostajowa 7, 30-387 Kraków, Poland).

Practical information

There is no registration fee. The lunches, coffee breaks, icebreaker and workshop dinner costs during the workshop will be cover by the organisers. **The participants have to cover the cost of travel and accommodation.**



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