

# CLE Newsletter 02/2017

As this is now the 11<sup>th</sup> Newsletter from the Department Computational Landscape Ecology of the UFZ, we expect you have been looking forward to receiving this and reading some of the latest news from the last 6 months. As usual just a subjective selection, have a look at the webpage for a more comprehensive overview. We warmly wish you all a happy Christmas and a successful, great and peaceful 2018.

## New Projects



### Euro-FLOW: a European training and research network for environmental FLOW management in river basins

Euro-FLOW a "Marie-Curie-Sklodowska-Curie Actions Innovative Training Network (ITN)" funded by the European Union with 3.9 Mio. € is a training- and research network of 10 universities and research institutes with 13 partners from science, practice and economy. By means of experiments, monitoring strategies and innovative modelling the project gains new knowledge for river basin management. CLE leads the working package „Ecosystem Services“ and supervises 2 Ph.D. students.

Contact: Prof. Dr. Martin Volk.

Web: <http://water.leeds.ac.uk/our-missions/mission-4/euroflow/>

### WAKANAKA - Ermittlung naturschutzbezogener Kriterien in der Umweltprüfung der Bedarfsplanung für Stromnetze und in der Bundesfachplanung zur Erhöhung der Planungssicherheit und Verhinderung von Zielkonflikten

The project strives to derive the nature conservation status of forests in Germany. This includes the classification of tree species as well as the derivation of tree canopy heights across Germany. The project is funded by the Bundesamt für Naturschutz (Federal Agency for Nature Conservation) from Nov 2017 until Oct 2019.

Contact: Sebastian Preidl, Michael Beckmann, Dr. Anna Cord, Dr. Daniel Doktor

## UFZ Award Ceremony on Nov 15, 2017



This year, the UFZ Awards had been awarded for the fourth time in order to honour UFZ colleagues who have shown outstanding commitment and delivered outstanding achievements. We are very pleased to announce that Dr. Jule Thober was awarded with the UFZ Doctoral Award 2017 for excellent scientific performance on the field of social-ecological system analysis and modelling as well as outstanding engagement for the increase in competence in the agent-based modelling at the UFZ during her graduation.

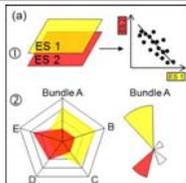
## Project Endings



### GLUES – Global Assessment of Land Use Dynamics, Greenhouse Gas Emissions and Ecosystem Services

After a little more than 7 years, we now close down operations for the GLUES project. A long lasting experience on a highly complex topic such as sustainable land management is now ending. We unfortunately say goodbye and thanks to Benjamin, Daniela, Monica, Marketa, Johannes, Stefan, Andreas, Tomáš and many other who left earlier so much for their tremendous work - and wish all the best for finishing the remaining tasks such as finishing Ph.D. thesis or web-pages.

## Featured Publications

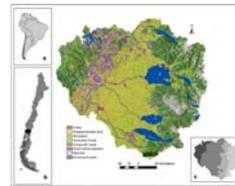


**Cord, A., B. Bartkowski, M. Beckmann, A. Dittrich, K. Hermans, A. Kaim, N. Lienhoop, K. Locher-Krause, J. Priess, C. Schröter-Schlaack, N. Schwarz, R. Seppelt, M. Strauch, T. Vaclavik & M. Volk** (2017): Towards systematic analyses of ecosystem service trade-offs and synergies: main concepts, methods and the road ahead. *Ecosystem Services*. DOI: [10.1016/j.ecoser.2017.07.012](https://doi.org/10.1016/j.ecoser.2017.07.012)

This paper emerged from a series of monthly meetings ("Journal Club", held between June 2015 and March 2016) among 15 colleagues from the departments CLE and OEKON and tells you most of the things that you might want to know about ecosystem services relationships. By synthesizing the growing body of literature on this topic, we identify four main study objectives of such analyses, describe the key concepts, including viewpoints of different disciplines, and highlight the major challenges that need to be addressed. To help guiding researchers towards more systematic analyses of ES trade-offs and synergies, we conclude with an outlook on suggested future research priorities.

**Locher-Krause, K.E., S. Lautenbach & M. Volk** (2017): Spatio-temporal change of ecosystem services as a key to understand natural resource utilization in Southern Chile. *Regional Environmental Change*. DOI: [10.1007/s10113-017-1180-y](https://doi.org/10.1007/s10113-017-1180-y)

This study quantifies six ecosystem services linked to forest ecosystems over six temporal periods in Southern Chile. Our results show a high spatial and temporal variability of ecosystem service supply in the three main geomorphological units. A strong increase of plantation production (Coastal Range and Central Valley) as well as of forest recreation services over time (Coastal and Andes ranges) was observed. Our recommendations for landscape management are (i) an increase of buffer strips to reduce diffuse emissions into the rivers and to enhance ecological connectivity, (ii) an increase of protected areas in the Central Valley, and (iii) a rethinking of the role of exotic forest plantations.



For more feature publications, see here: <http://www.ufz.de/index.php?en=40011>

## Imprint

**Editorial:** Prof. Ralf Seppelt, Sindy Bleiholder  
Helmholtz Centre for Environmental Research GmbH - UFZ  
Permoserstrasse 15 - 04318 Leipzig - Germany  
Tel.: +49 (0) 341 / 235-1250  
Email: [sekces@ufz.de](mailto:sekces@ufz.de)  
Website: <http://www.ufz.de/cle>

