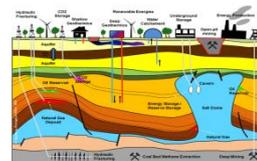


**Integrated Project EnergyLandUse**  
*Land Use Aspects of Transforming the Energy System –  
Sustainable Options for a Renewable Energy Era*



**5<sup>th</sup> UFZ EnergyLandUse Colloquium**

**Tuesday, 5 May 2015, 10:00 – 11:30**

**Lecture Hall, Main Building, UFZ, Leipzig**

*“The IPCC Report: Which role does the energy system play for climate change mitigation?”*

**Dr. Brigitte Knopf**

**Secretary General of Mercator Research Institute on Global Commons and Climate Change (MCC)**

The talk gives an overview of the results from 5th Assessment Report of the IPCC Working Group III on the Mitigation of Climate Change that was published in 2014. The focus of the talk is on the role of the energy system for keeping the 2°C target. The IPCC has analyzed the whole option space between 1.5°C and 4°C, including the evaluation of costs and risks of mitigation and the institutional challenges for reaching specific targets. The report shows that the 2°C target might still be in reach if substantial emission reductions happen over the next decades. But it also becomes clear that trade-offs might occur. One example is the extensive use of bioenergy in ambitious mitigation scenarios that might lead to conflicts with food security. Another example is the carbon capture and storage technology (CCS) that is publicly highly controversial, but that might be an important technology in order to keep temperature below 2°C. The IPCC Report has also revealed new challenges for environmental research, for example concerning land-use related topics, and has implications for the analysis of policy instruments in the context of scientific policy advice. The consequences for a future research agenda and the gaps identified in the IPCC Report will be laid out.



After the colloquium, there will be the chance for interaction with Brigitte Knopf. All interested colleagues are kindly invited.

**Link to registration:** <https://www.ufz.de/index.php?en=33634>

## **Brigitte Knopf**

Dr. Brigitte Knopf is the Secretary General of the Mercator Research Institute on Global Commons and Climate Change (MCC). Her research focuses on the European Climate and Energy policy and the German Energiewende, with a strong methodological expertise in model-based assessments of energy systems. Dr. Knopf is also engaged in scientific policy advice and a contributing author in IPCC's Fifth Assessment Report of Working Group III on the Mitigation of Climate Change. Before joining the MCC, she has been affiliated to the Potsdam-Institute for Climate Impact Research (PIK) as the deputy head of the research domain Sustainable Solutions. For more details, see <https://www.mcc-berlin.net/index.php?id=644&L=1>