

## **IP6-B1: Workshop "Negative Emission Technologies (NETs) –friend or foe for transformations towards sustainability?"**

The 2015 Paris Agreement and the IPCC reports emphasized the importance of carbon dioxide removal in global emission pathways. Negative Emissions Technologies (NETs) that capture carbon from the atmosphere and remove it from the system have since been in the spotlight. NETs range from innovative, engineered technologies, to well-known biological approaches like afforestation. To understand the potential contribution of NETs to meeting global emissions targets, we need to examine the opportunities and constraints for deploying these technologies.

IP6 has a range of research activities on NETs, from studying conceptual approaches to climate policy to developing specific tools for on-the-ground implementation. We analyse policy representations of NETs, assess their potential contribution to decarbonisation, and explore factors influencing their feasibility as well as trade-offs/synergies with other sustainability goals and how to deal with them in the design of the relevant regulatory framework. Furthermore, we study societal perceptions of carbon dioxide removal technologies and design options for context-appropriate monitoring systems for CO<sub>2</sub> storage.

In this workshop, we will introduce the topic of NETs and present some highlights of our research in order to prepare the ground for a further discussion with the participants on exciting cross-IP research questions related to NETs.

The workshop will take place in Room 101, Building 4.0. It is expected to last one and a half hours, with about 30 minutes of input from IP6 researchers, about 30 minutes of discussion at specific topic tables and a joint plenary discussion in the last 30 minutes.

**Presenter:** THRÄN, Daniela

**Session Classification:** Breakout Session