

HITEC Theme Day

Title: Geoengineering
Date: 8 June 2016
Time: 9:00 –17:30
Location: Forschungszentrum Jülich ► IEK-7

Global warming and its dramatic consequences for the earth's climate and thus us humans on earth is one of the most discussed topics of our time. At the recent climate conference in Paris it was decided to reduce emissions to limit the global warming to 2°C. But what happens if we do not succeed in sustaining a safe environment for us humans? For that case scientists currently discuss 'Geoengineering'. Geoengineering (also called Climate Engineering) is the manipulation of the Earth's system by humans in order to reduce the temperature increase on this planet. For that many different scientific approaches exist, like weather modification, solar radiation management and greenhouse gas removal. However, risks of Geoengineering, economic efficiency and ethical questions need to be considered as well. All of those topics mentioned will be discussed on this HITEC-Day to give you a broad overview on the field of Geoengineering.

You will learn about:

- Geoengineering (Climate Engineering), the manipulation of the Earth's system by humans

Contents:

- weather modification
- solar radiation management
- greenhouse gas
- risks of Geoengineering
- economic efficiency
- ethical questions

Who should attend:

HITEC Ph.D.-fellows;
Postgraduate-, Ph.D.- and postdoctoral fellows from the fields of energy and climate research

HITEC Days

HITEC Days are an inherent part of the graduate school Helmholtz Interdisciplinary Doctoral Training in Energy and Climate Research (HITEC). They devote a whole day to a method or a scientific topic with lectures and discussions. The methodological days serve to encourage scientific interdisciplinarity and will enable the PhD students to extend their range of methods with respect to their own scientific work. HITEC Days always end with a 'Get together', some snacks and drinks. HITEC Days are open for HITEC Ph.D. students and other interested young scientists.