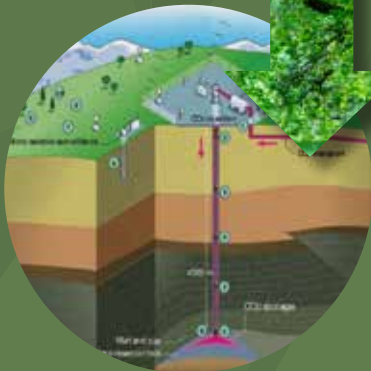


INTERNATIONAL CONFERENCE ON

# NEGATIVE CO<sub>2</sub> EMISSIONS

MAY 22-24, 2018

CHALMERS UNIVERSITY OF TECHNOLOGY  
GOTHENBURG, SWEDEN



## GENERAL INFORMATION

The objective of the Paris Agreement is to limit warming to well below 2°C, and to pursue efforts to limit the temperature increase to 1.5°C. The IPCC fifth assessment report quantified the global “carbon budget,” the amount of carbon dioxide emissions that we can emit while still having a likely chance of limiting global temperature rise to 2 degrees Celsius above pre-industrial levels.

The exact size of the carbon budget cannot be specified with high confidence since it depends on many uncertain factors, including emission pathways for other climate forcers. This said, the remaining CO<sub>2</sub> budgets for the 1.5°C and 2°C targets have been estimated at about 200 and 800 Gtonnes, and with present emissions of at least 35 Gtonnes/ year they would be exhausted in less than 6 and 23 years, respectively. Consequently, most of the IPCC emission scenarios able to meet the global two-degree target rely on very large contributions from negative emissions, typically 400-800 Gtonnes up to 2100. This is also the reason why IPCC assumes technologies for removing greenhouse gases from the atmosphere will be indispensable for meeting the climate targets.

At the same time the large future negative emissions assumed in climate models have been questioned and warnings have been raised about relying on very large and uncertain negative emissions in the future. With the climate targets at stake, a deeper and fuller understanding of the various aspects of negative emissions is needed.

The purpose of the conference is to bring together a wide range of scientists, experts and stakeholders, in order to engage in various aspects of research relating to negative CO<sub>2</sub> emissions. This will include various negative emission technologies, climate modelling, climate policies and incentives.

## ANNOUNCEMENT

The Dept. of Space, Earth and Environment at Chalmers University of Technology

is pleased to announce **The International Conference on Negative CO<sub>2</sub> Emissions**

to be held from Tuesday 22nd to Thursday 24th of May 2018 at Chalmers University of Technology, Gothenburg, Sweden



*Will Negative Emissions Technologies (NET) be able to meet expectations when confronting the climate threat?*

# CONFERENCE PROGRAM

Main sessions:

- Negative CO<sub>2</sub> in climate modelling
- Negative CO<sub>2</sub> policy
- Negative CO<sub>2</sub> incentives
- BECCS technologies
- Enhanced weathering
- Afforestation and reforestation
- Altered agricultural practices
- Soil management/biochar
- Direct air capture

A poster session

Visit to Chalmers' four chemical-looping combustors

## DEADLINES

Submission of documents via email to:  
[negativeCO2@chalmers.se](mailto:negativeCO2@chalmers.se)

ABSTRACT (ONE PAGE)

*December 1, 2017*

Please use the template provided on our website

[www.negativeCO2emissions2018.com](http://www.negativeCO2emissions2018.com)

NOTIFICATION OF ACCEPTANCE

*January 15, 2018*

FULL PAPER

*April 1, 2018*

Selected papers will be published in Special Editions of:

- *Journal of Greenhouse Gas Technologies*
- *Nature Climate Change*

*Traditional agricultural and forestry practices captured by Swedish painter Carl Larsson.*



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