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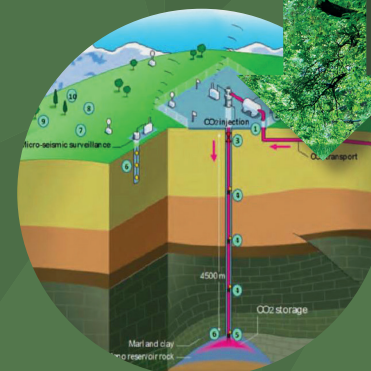
Worcester Polytechnic Institute, US

2<sup>ND</sup> INTERNATIONAL CONFERENCE ON

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

JUNE 14-17, 2022

CHALMERS UNIVERSITY OF TECHNOLOGY  
GOTHENBURG, SWEDEN



IEA Bioenergy

GLOBAL CARBON project

iets

ieaghg

Negative CO<sub>2</sub>

Nordic Energy Research  
Nordic Council of Ministers

## 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 carbon budget is the amount of carbon dioxide that we can emit while still limiting global temperature rise to a given level, for example 1.5°C above pre-industrial levels.

The exact size of the carbon budget is uncertain and depends on many factors, including potential future warming of non-CO<sub>2</sub> climate forcers. This said, the remaining budgets for limiting warming to 1.5°C or 2°C targets have been estimated at about 420 and 1170 Gt of CO<sub>2</sub>. With unchanged present emissions at about 40 Gt CO<sub>2</sub>/year these budgets would be exhausted in as few as 10 and 30 years, respectively. Most of the IPCC emission scenarios that meet a global two-degree target in 2100 overshoot the carbon budget at first and then remove the excess carbon with large negative emissions, typically on the order of 400-800 Gt CO<sub>2</sub> up to 2100.

At the same time as negative emissions appear to be indispensable to meet adopted climate targets, 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 future climate 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 2<sup>nd</sup> International Conference on Negative CO<sub>2</sub> Emissions** will be held June 14-17, 2022, at Chalmers University of Technology, Gothenburg, Sweden. The conference is organized by Chalmers with support from Global Carbon Project and International Energy Agency, i.e. IEAGHG, IEAETS and IEA Bioenergy.



*Will negative CO<sub>2</sub> emissions be able to meet expectations when confronting the climate threat?*

## CONFERENCE PROGRAM DEADLINES

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

ABSTRACT (ONE PAGE)

*December 1, 2021*

Please use submission tool on our website and use the template provided.

NOTIFICATION OF ACCEPTANCE

*February 1, 2022*

FULL PAPER

*May 1, 2022*

Authors of selected papers will be invited to submit to a Special Issue of "Mitigation and Adaptation Strategies for Global Change"

*Early bird registration is recommended.*

## WEBSITE

[www.negativeCO2emissions2020.com](http://www.negativeCO2emissions2020.com)

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

