



vEGU21 Media Tip Sheet: COP26-related sessions

In November, Glasgow will host COP26, the next major United Nations-sponsored climate change conference, which will present an opportunity for participating countries to increase their commitments to limit global warming beyond those outlined in the Paris Agreement. The following abstracts highlight recent research on some of the most crucial issues that will be discussed during this much-anticipated event.

[Future directions in Blue-Green Infrastructure research](#)

Highlights the potential that oceans have to limit or reduce CO₂ emissions and support countries in reaching their climate targets.

Mon 26 Apr 11:00 CEST

Session [HS5.4.2](#): Green infrastructure for sustainable urban hazard management

[Can the 1.5 deg C warming target be met in a global transition to 100% renewable energy?](#)

With aggressive and rapid action, it's still possible to limit global warming to the 1.5°C limit, according to this new modeling study.

Mon 26 Apr 15:51 CEST

Session [CL3.1.10](#): Earth resilience and tipping dynamics in the Anthropocene

[Geologic carbon storage resource requirements of climate change mitigation targets in Europe](#)

Identifies plausible growth trajectories of carbon capture storage within the European Union, United Kingdom, and Norway. This research finds that the EU storage resource base is sufficient to meet storage targets suggested in the European Commission's 'A Clean Planet for All' strategy, and that the North Sea may be able to serve as a regional CO₂ storage hub.

Tues 27 Apr 9:05 CEST

Session [ERE4.1](#): Secure subsurface storage for future energy systems

[The kids aren't alright](#)

An analysis of the greater climate-change burden that will affect humanity's younger generations.

Wed 28 Apr 9:49 CEST

Session [ITS3.2/BG7](#): Climate extremes, biosphere and society: impacts, cascades, feedbacks, and resilience

[Analysis of monthly CO₂ emission trends for major EU Countries: a time series approach](#)

Highlights monthly CO₂ emission trends for 31 European countries, including clusters that are major sources of EU emissions. The research also provides a monthly CO₂ forecasting model.

Wed 28 Apr 13:41 CEST

Session: [ITS2.16/CL3.2.19](#): Economics and Econometrics of Climate Change: evaluating the drivers, socio-economic and development impacts, and policies of climate change

Greenhouse gas metrics for net zero targets in science and policy

Highlights the limitations of the metrics used to measure greenhouse gases and provides suggestions to approach these issues in both the Paris Agreement and national policymaking.

Thurs 29 Apr 15:39 CEST

Session [CL.3.2.18](#): Towards a net-zero world: remaining carbon budgets, climate response to different emission pathways, and implications for policy

Implications of current net zero targets for long-term emissions pathways and warming levels

Presents an assessment of net-zero targets of the major emitting countries and the implications of these targets for long-term emissions trajectories and warming levels.

Thurs 29 Apr 15:41 CEST

Session [CL.3.2.18](#): Towards a net-zero world: remaining carbon budgets, climate response to different emission pathways, and implications for policy

Cold truths: What does a warmer Arctic mean for carbon budgets consistent with the Paris Agreement?

This research highlights how the permafrost feedback loops substantially reduce the carbon budget we have to remain below 1.5°C or even 2°C.

Thurs 29 Apr 15:49 CEST

Session [CL.3.2.18](#): Towards a net-zero world: remaining carbon budgets, climate response to different emission pathways, and implications for policy