



**FWO Scientific Research Network “Climate Change Law in Europe –
Klimaatveranderingsrecht in Europa” hybrid Workshop**

**Technological breakthroughs for climate neutrality in Europe: Challenges and
Perspectives**

16 December 2022, 9:15 am - 1:00 pm CET

University of Hasselt, Campus Hasselt (Martelarenlaan 42, Hasselt, Belgium)

Workshop registration (in person or online on Google meet):

<https://forms.gle/o96JyprD68v7soBR6>

For more information, please contact Dr. Matteo Fermeglia at matteo.fermeglia@uhasselt.be and Dr. Theodoros Iliopoulos at theodoros.iliopoulos@uhasselt.be.

In its Sixth Assessment Report, the Intergovernmental Panel on Climate Change (IPCC) has underscored the importance of innovation and technology transfer to achieve the overarching Paris Agreement global temperature goals. To this end, a broad array of technologies is being developed and implemented in Europe to both ensure the transition to a low-carbon society and to mitigate the expected consequences of global warming. However, to regulate and ensure full uptake of low-carbon technologies unfolds manifold obstacles and challenges from a legal, economic, and social perspectives.

This workshop aims therefore to address the legal, economic and social aspects of deploying key technological developments to achieve the low-carbon transition in Europe. In particular, the workshop will address the following key topics

- Renewable Energy Sources uptake and technological innovation.
- Digitalisation of the energy system and smart systems.
- Carbon Capture Utilisation and Storage (CCUS).
- Social impacts of low-carbon technologies.
- Deployment of climate engineering techniques.

Programme

9:15: Welcome and participants registration (coffee/tea will be served)

9.30-9.45: Welcome address and presentation of the workshop: Carole Billiet (Hasselt University)

PART I. Chair: Carole Billiet (Hasselt University)

9.45-10.30: Keynote speech: Robert Malina (Hasselt University, Centre for Environmental Sciences)

10.30-10.45: Theodoros Iliopoulos (Hasselt University): Legal Instruments for the Promotion of Innovative Renewable Energy Technologies in the EU

10.45-11.00: Kaisa Huhta (University of Eastern Finland): Smart systems and the digitalisation of energy in the EU

11:00-11.15: Q&A session

11.15-11.45: Coffee break

PART II. Chair: Matteo Fermeiglia (Hasselt University)

11.45-12.00: Viktor Weber (University of Copenhagen, Center for International Law and Governance): Carbon Capture and Storage Deployment around the North Sea – the Current Industry and Regulatory Landscape

12.00-12.15: Vincent Bellinkx (University of Antwerp): Legal public participation standards as a vehicle for low carbon energy transition

12.15-12.30 Hana Müllerová (Institute of State and Law, Czech Academy of Sciences): Climate Engineering as a Regulatory Challenge for the EU: European Green Deal and Beyond

12.30-12.45: Q&A session

12.45-1.00 – Workshop conclusions and Call for Papers announcement: Matteo Fermeiglia (Hasselt University)

1:00 End of the workshop and light Lunch

At the end of the workshop, a Call for Papers will be announced for a [Special Issue to be hosted by Carbon & Climate Law Review](#) (Lexxion Publisher).

About the FWO Scientific Research Network “Climate change law in Europe”

The FWO Scientific Research Network “Climate Change Law in Europe – Klimaatveranderingsrecht in Europa” aims to boost and facilitate the development of Climate change law and governance as an autonomous field of legal studies in Flanders and in Europe more broadly. The network’s activities will focus on the complex trends and interplays underpinning the development of the legal discipline around climate change mitigation and adaptation revolving around four fundamental pillars:

- *A just transition* to a low carbon economy.
- *Human rights* in climate change law.
- *Biodiversity protection* in climate change law.
- *Governance innovation* in climate change law.

The network comprises seven top-ranked Flemish and international research organisations in the field of climate law under the coordination of Hasselt University.

For further information about the network, please contact us at environmental.law@uhasselt.be.