
RIGHydro Capacity Building Course on Hydrogen Regulation and Deployment
Tuesday, 11th of November 2025, 09:30 – 15:00, University of Copenhagen

Lecturers

Dr. Beatriz Martinez Romera, CLIMA, Faculty of Law, University of Copenhagen
Dr. Simon Lex, Department of Anthropology, University of Copenhagen
Dr. Viktor Weber, CLIMA, Faculty of Law, University of Copenhagen
Dr. Meng Zhang, CLIMA, Faculty of Law, University of Copenhagen
Dr. Yair Alpuche, Department of Anthropology, University of Copenhagen

Course Modules

Module 1: Introduction of the Course (30 mins)

- Introduction of the RIGHydro project and MissionGreenFuels
- Aims and Structure of the Course
- Introduction of EU energy and climate law

Module 2: Hydrogen Law and Policy in the EU (2 Hours)

- Introduction of the EU Hydrogen Framework and its Implications to Denmark
- EU Hydrogen Law, Policy, and Strategy
- Environmental Impact Assessment for Hydrogen Production

Module 3: Case Studies on Hydrogen and Green Energy Deployment in Denmark (2 Hours)

- Strategic planning for the development of Hydrogen and Green Energy parks
- Local barriers to the deployment of Hydrogen and Green Energy parks
- Tools for democratic engagement in the Green Energy Transition

Required Reading

Legal Module

EU Hydrogen Law, Policy, and Strategy

- 2024 State of the European Hydrogen Market Report, Oxford Institute for Energy Studies (pp. 2–15), <https://www.oxfordenergy.org/wpcms/wp-content/uploads/2024/06/2024-State-of-the-European-Hydrogen-Market-Report.pdf>
- Kim Talus, Jaqueline Pinto, Francisca Gallegos, Realism at the end of the rainbow? An argument towards diversifying hydrogen in EU regulation, *The Journal of World Energy Law & Business*, Volume 17, Issue 4, August 2024, pp. 217–233, <https://doi.org/10.1093/jwelb/jwae007>
- James Kneebone, The EU Hydrogen and Decarbonised Gas Market Package: An inside look into the recently adopted Gas Package, EUI Florence School of Regulation, May 2024, <https://fsr.eui.eu/the-eu-hydrogen-and-decarbonised-gas-market-package/>

- Zhang, M., Governance Innovation or Imagination? Three Storylines of Navigating the EU's Leading Role in Green Hydrogen Deployment in a Polarized World, 2025, 15 *Climate Law*

The environmental impact of hydrogen production

- Sola et al., 'Green Hydrogen and Its Supply Chain. A Critical Assessment of the Environmental Impacts' (2025) 9 Adv. Sustainable Syst. 2400708, pp.20-21.
<https://advanced.onlinelibrary.wiley.com/doi/10.1002/adsu.202400708>
- Z Hurwitz et al., 'Key aspects for managing the environmental and social risks of green hydrogen' Blog post, 6 June 2023.
<https://blogs.iadb.org/sostenibilidad/en/key-aspects-for-managing-the-environmental-and-social-risks-of-green-hydrogen/>

A brief overview of the development and functioning of European environmental impact assessment

- M. Keller, 'EU Environmental Impact Assessment: frequently asked questions by domestic legal practitioners' (2019) 19 ERA Forum 551; pp. 552-555(560).
<https://link.springer.com/article/10.1007/s12027-018-0542-3>

A thorough introduction to the development and concept of environmental impact assessment in the general and the European context

- A. García-Ureta, Chapter 11 – Environmental Impact Assessment in the EU: More than only a Procedure? in M. Peeters and M. Eliantonio (eds.), Research Handbook on EU Environmental Law (Edward Elgar, 2020), pp.164-178.
- Optional reading: A. Fonseca, Chapter 1 – Introduction to the Handbook of Environmental Impact Assessment in A. Fonseca (ed.), Introduction to the Handbook of Environmental Impact Assessment (Edward Elgar, 2022), pp. 2-18.
<https://www.elgaronline.com/edcollchap/book/9781800379633/book-part-9781800379633-6.xml>

Societal Module

- Jenkins, K., B.K. Sovacool, D. McCauley (2018). 'Humanizing sociotechnical transitions through energy justice: An ethical framework for global transformative change', *Energy Policy*, vol 117, pp 66 – 74.
<https://doi.org/10.1016/j.enpol.2018.02.036>
- Kühn, M. (2021). 'Agonistic planning theory revisited: The planner's role in dealing with conflict', *Planning Theory*, 20(2), pp. 143–156. <https://doi.org/10.1177/1473095220953201>.
- Lex, S.W., Salling, C.A & Gulbrandsen, K.S. (2025/forthcoming). 'Hvis tid tæller? Lokaldemokratiets rolle i den grønne energiudvikling', *Økonomi & Politik*, 98(3).
- Weisdorf, M., Vangkilde, K.T. and Lex, S. (2025). 'Diverging energy horizons: Rethinking public resistance in the Danish renewable energy transition', *Energy Research & Social Science*, 121.
<https://doi.org/10.1016/j.erss.2025.103945>.

Supplementary Materials (law & policy)

- EU Hydrogen Strategy
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52020DC0301>
- Renewable Energy Directive III (RED III), Directive (EU) 2023/2413, OJ L, 2023/2413, 31.10.2023 amending Directive (EU) 2018/2001, OJ L 328, 21.12.2018, consolidated act:
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A02018L2001-20240716>
- EU Delegated Acts on Renewable Hydrogen
https://energy.ec.europa.eu/news/renewable-hydrogen-production-new-rules-formally-adopted-2023-06-20_en
- EU Hydrogen and Decarbonized Gas Market Package
https://energy.ec.europa.eu/topics/markets-and-consumers/hydrogen-and-decarbonised-gas-market_en
- REPowerEU Plan (Art.3 the hydrogen targets)
https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal/repowereu-affordable-secure-and-sustainable-energy-europe_en
- Environmental Impact Assessment Directive, Directive 2011/92/EU, OJ L 26, 28.1.2012 as amended by Directive 2014/52/EU, OJ L 124, 25.4.2014
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A02011L0092-20140515>
- Strategic Environmental Assessment Directive, Directive 2001/42/EC, OJ L 197, 21.7.2001
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32001L0042>
- Miljøvurderingsloven, LBKG 2023-01-03 nr 4
<https://www.retsinformation.dk/eli/lta/2023/4>
- Lovbekendtgørelse 2024-09-06 nr. 1031 om fremme af vedvarende energi som ændret ved Lov 2024-06-11 nr. 673
<https://www.retsinformation.dk/eli/lta/2024/1031>
- Energistyrelsen, 'Vejledning til VE-fremskyndelsesområder' 3 juli 2025
<https://veprojekter.dk/sites/default/files/2025-07/Vejledning%20til%20VE-fremskyndelsesomr%C3%A5der%20version%201.0.pdf>