



EMP-E 2019 — PLENARY SESSION II: THE EFFECTS OF EXTERNALISATION ON DECARBONISATION

Format

Brief introduction to the session (5 min.) and three plenary presentations of 10 minutes each (primers) followed by a moderated panel discussion with the public (25 minutes).

Short description of the session.

This session focuses on three concrete concerns emerging in biophysical modelling:

1. A quick transition to a low-carbon economy will imply a temporary increase in CO₂ emission;
2. Some decarbonisation pathways are based on externalization (outsourcing);
3. The link between structural changes, externalization and energy efficiency savings are often missed in current modelling.

The three plenary presentations addressing these issues will be followed by a moderated discussion with the public.

Speakers:

Session chair and moderator: Raúl Velasco-Fernández, Universitat Autònoma de Barcelona

Introduction to session: DG TRADE (tbc)

- Renewable Transition and energy cannibalism: net energy and energy payback time.
Jordi Solé Ollé, Institut de Ciències del Mar (ICM-CSIC), Barcelona
- Trade policy and decarbonization.
Philippe Tulkens, DG RTD Unit C3: Climate and Planetary Boundaries
- Modelling the effects of structural changes and terms of trade
Mario Giampietro, Universitat Autònoma de Barcelona/ICREA

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MAGIC and MEDEAS have received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 689669 and No. 691287, respectively. The results presented at the workshop reflect the authors' view only; the funding agency is not responsible for any use that may be made of the information it contains.



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