

A photograph of a wind farm in a rural landscape with rolling hills and a cloudy sky. The image is partially obscured by a white diagonal shape that separates it from the rest of the slide.

Climate Recon 2050: Dialogues on Pathways and Policy

Vicki Duscha, Fraunhofer ISI

Modelling at EU and MS level

TD 2 meeting, 09. October 2018
Warsaw

A background image showing a landscape with several wind turbines in a field under a cloudy sky. The image is partially obscured by a white diagonal shape on the right side.

Climate Recon 2050: Dialogues on Pathways and Policy

Vicki Duscha, Fraunhofer ISI

The **POTEnCIA** model

Model documentation available at:

<http://publications.jrc.ec.europa.eu/repository/handle/JRC100638>

The **JRC-IDEES** – Integrated Database of the European Energy Sector
comprehensive database with historic data on MS level

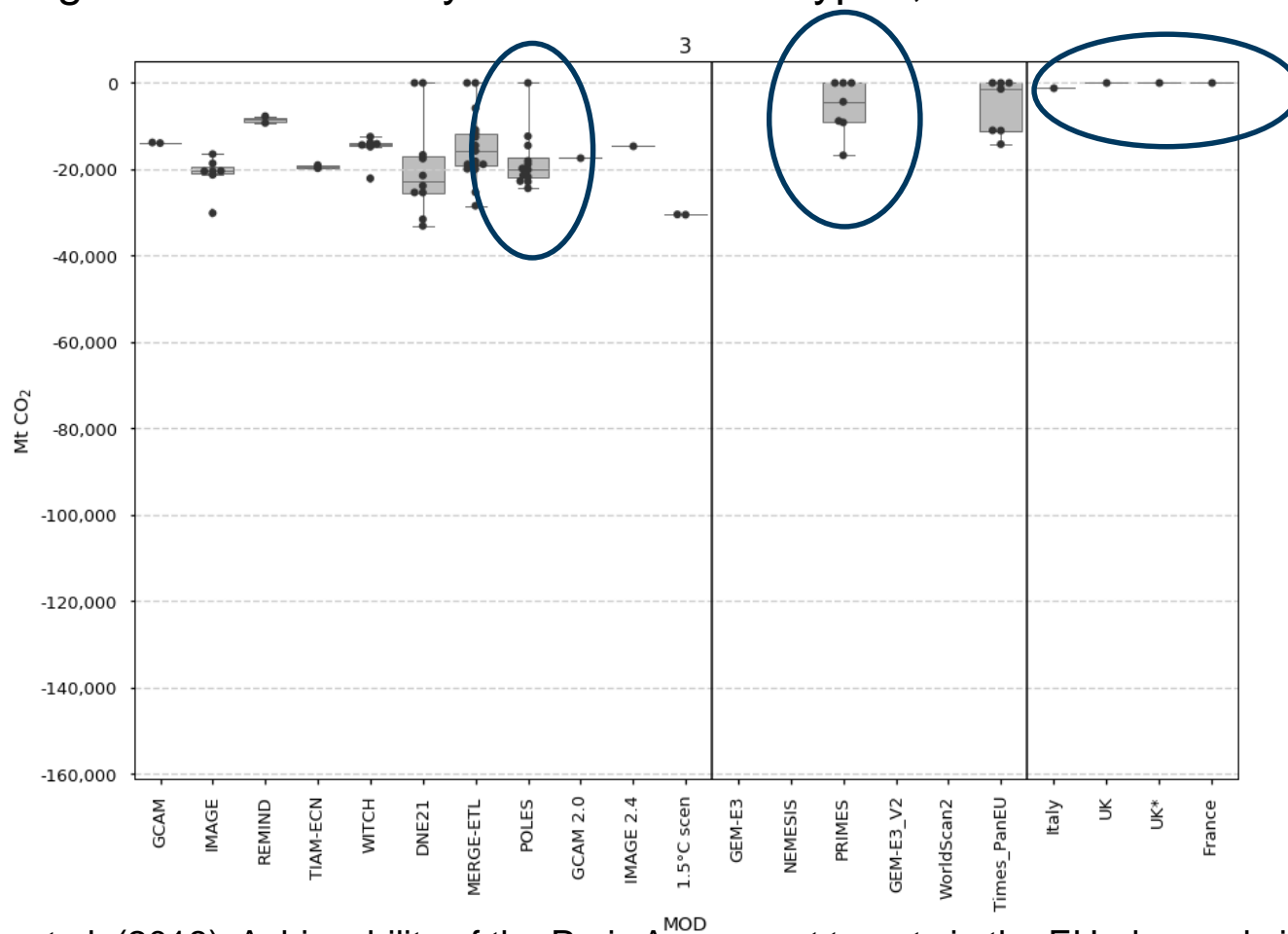
<https://ec.europa.eu/jrc/en/publication/jrc-idees-integrated-database-european-energy-sector-methodological-note>

<http://data.jrc.ec.europa.eu/collection/id-0110>

Climate Recon 2050: Dialogues on Pathways and Policy

Vicki Duscha, Fraunhofer ISI

Cumulative negative emissions by different model types, 2015-50

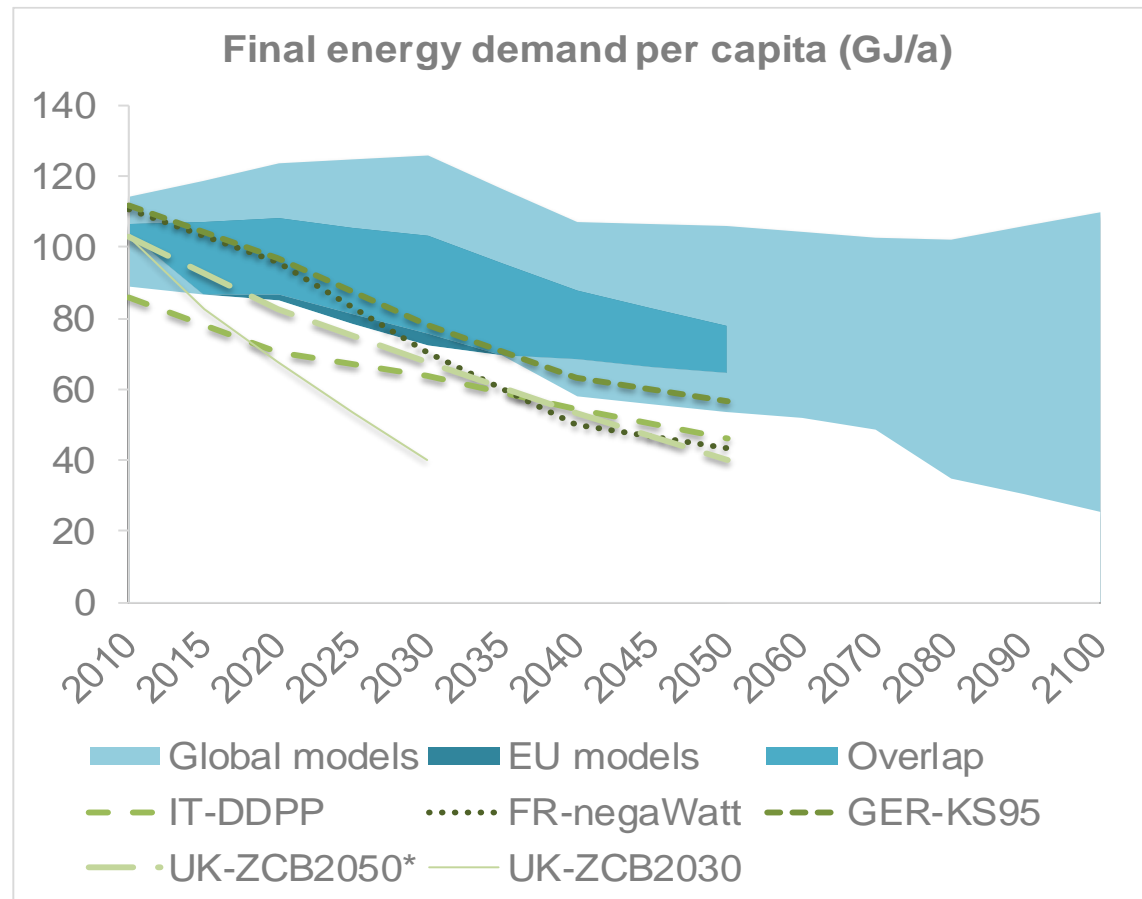


Source: Duscha et al. (2018): Achievability of the Paris Agreement targets in the EU: demand-side reduction potentials in a carbon budget perspective

Climate Recon 2050: Dialogues on Pathways and Policy

Vicki Duscha, Fraunhofer ISI

Role of energy efficiency in national, EU and global models



Source: Wachsmuth and Duscha (2018): Achievability of the Paris Agreement targets in the EU – the role of demand-side driven mitigation in different types of scenarios