



How can new societal trends support the transition to low energy demand ?

How could the circular economy be facilitated beyond the existing policy framework?

Input on modelling

How can different actors affect the policy discussion and thus emerging trends, e.g. digitalization?

How can policies induce behavioural changes that are related to trends?

Identifying the lock-in effect in the decarbonization of the residential sector

A model developed for individual prosumaging households with detailed configurations on the household behaviour, building, technology adoptions (heating, PV, energy storage, etc.) was presented and analyzed:

- How energy consumption and load profile of households could be influenced by the smart energy management system;
- How renovation and technology adoption can influence the annual energy cost of households; as well as
- The decarbonization pathway of individual buildings.

[Access presentation](#)

The study providing insights for this presentation analyses the trend "from consumers to prosumagers". Read more on [prosumaging here](#).

Decarbonising the building value chain of the EU: A systematic overview of circular economy measures and their potential impact on basic materials

The objective is to identify promising measures and supporting policy instruments in context of a circular economy for the decarbonisation of the building value chain, then to develop a database for the consideration of these measures in further research.

Factsheets and multi-criteria analyses of circular economy measures with high impact on the GHG emissions of steel and concrete in buildings were presented. The developed database will be used for the modelling of the circular economy in the industry sector, the data will input a material flow analysis which links the building stock modelled by Invert/EE-Lab and the industry modelled by FORECAST-Industry.

[Access presentation](#)

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Furthermore, an informal session provided a short project introduction and input on the modelling before opening to discussions on policies and modelling. [Access it.](#)

