

Interlinkages

Danish reflections

Peter Bach

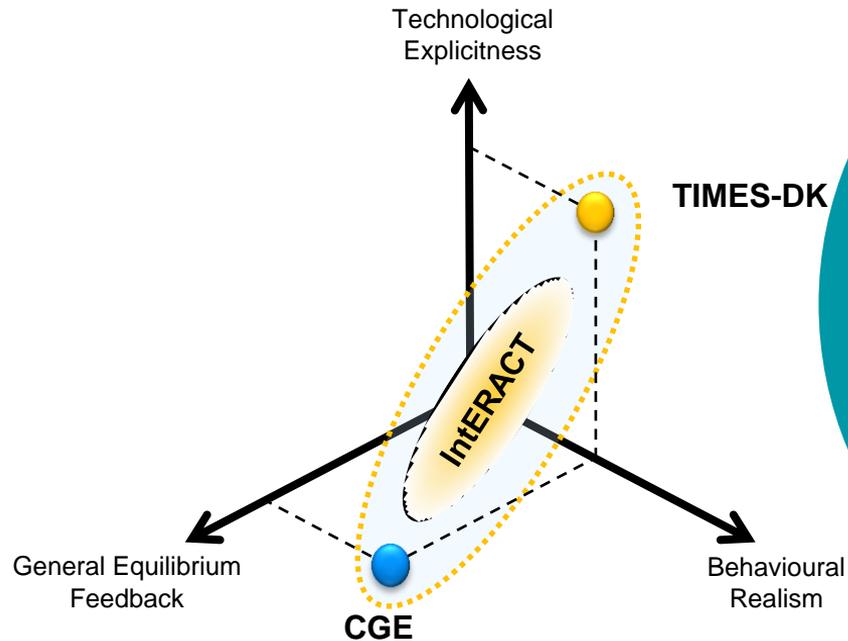
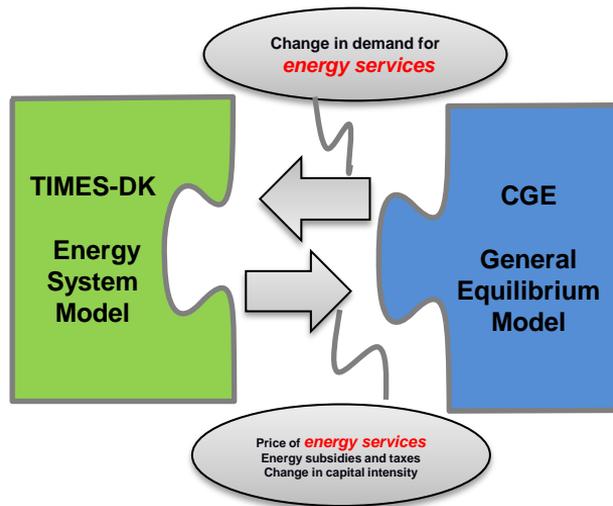


The policy framework

- 70% reduction of greenhouse gases in 2030
- Net-zero emission not later the 2050
- A very big majority in the Parliament have agreed on a new Climate Act
- A climate action plan will be presented in 2020

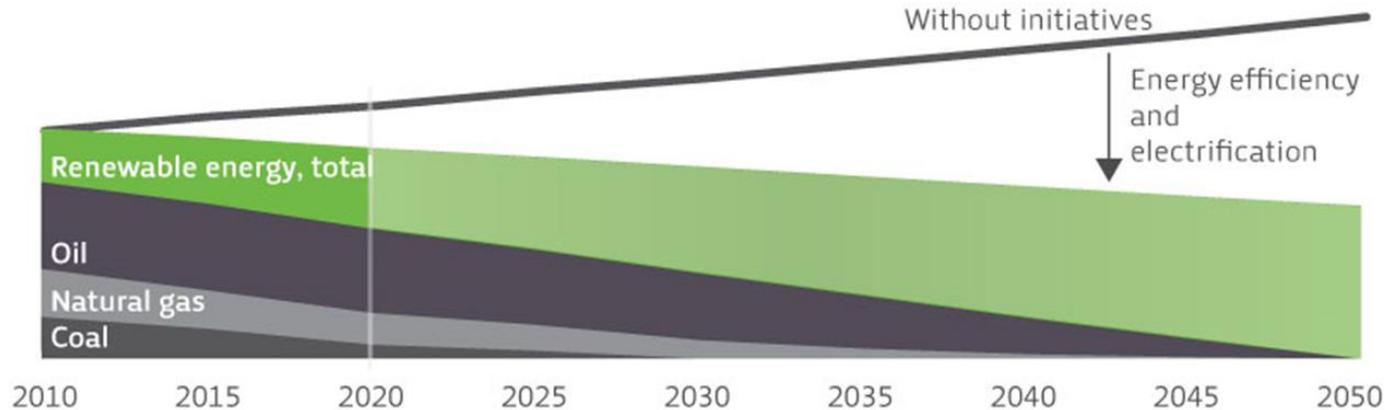
An integrated energy model: IntERACT

bottom-up + Top-down



Both EE and RES are needed!

- Energy efficiency – less consumption
 - Includes electrification and flexibility
- More renewables



- Balance between EE and RES
 - Based on socio-economic costs
 - Including all cost and benefits
 - Grid cost seem to be important
 - Example: Nearly zero energy buildings
- CO₂-impact of EE in renewable based system
 - Why is savings still important?
 - Cost
 - More healthy buildings
 - Resources, security of supply, etc.

Regional cooperation

- Nordic and Baltic Sea
- Renewable energy
 - Integration of high share in the system
 - Interconnectors are important
 - Energy resources
 - Wind as an example: Kriegers Flak and the North Sea
- Energy efficiency
 - Difficult to see a role for regional cooperation

