

A landscape photograph showing a lush green field in the foreground. In the middle ground, a line of trees is silhouetted against a bright sunset sky. To the left, a large electrical pylon stands with several power lines stretching across the frame towards the right. The sun is low on the horizon, creating a strong lens flare effect.

NGO input in TYNDP

Conference call, 22 Oct 2018

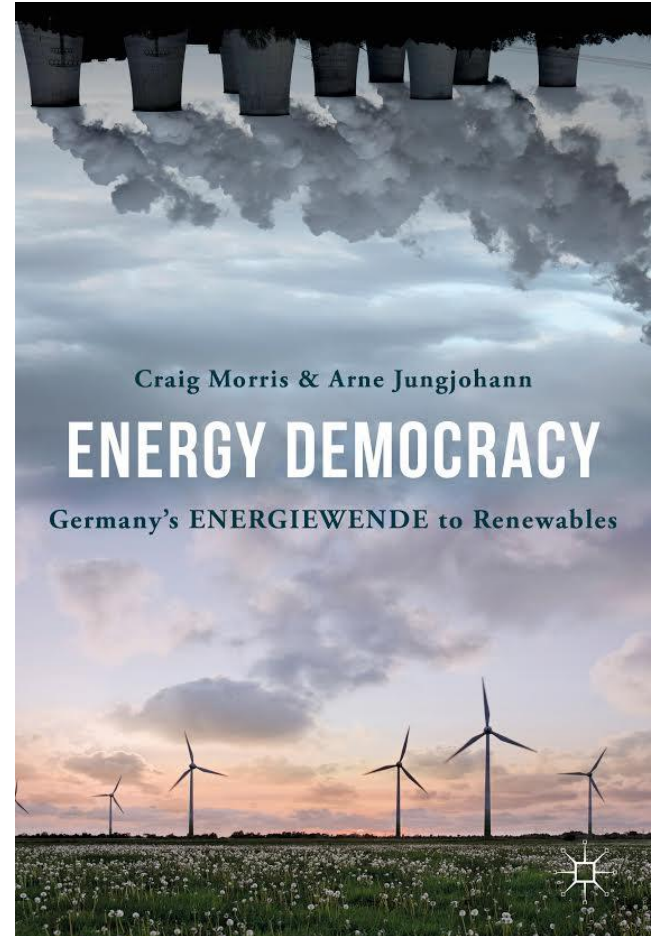
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Who I am



Report

June 2014



Why take part in the TYNDP

- Only intl. collaborative scenario-building for decarbonization worldwide
- Used to identify PCIs
- Paris scenario from network experts at ENTSO-E will not be doubted
- ENTSO-G on board since 2018 TYNDP
- The TYNDP modellers are not our main “target group”, other stakeholders are!

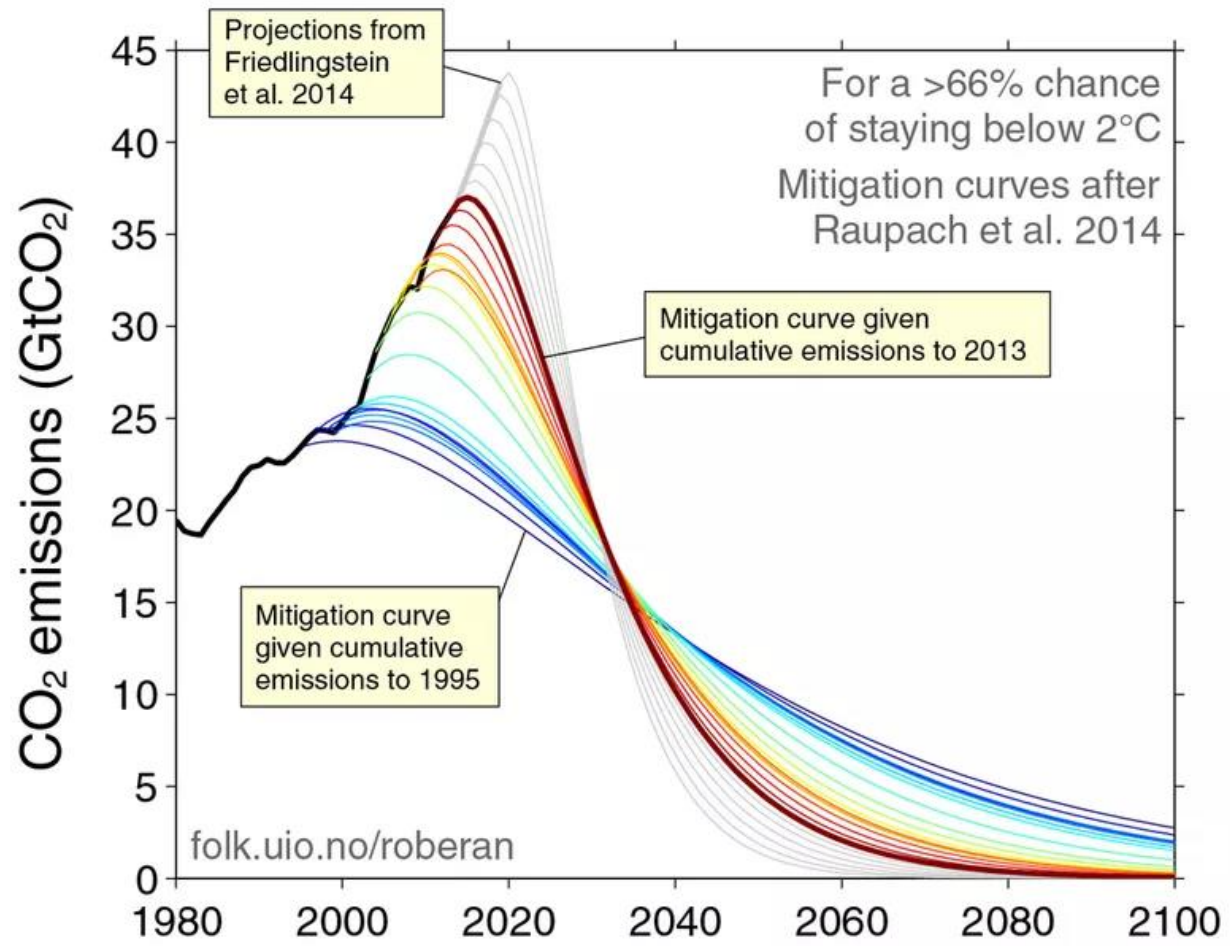
Roadmap for TYNDP

- Storylines presented in Oct
(storyline → modelling → scenario)
- Now mapping gas + power overlap
- TYNDP 2020 in early 2020
- But process is iterative, starts for 2022 in 2020...
- Will ENTSOs pose Qs to NGOs directly?
- “Why isn’t every scenario zero carbon?”

Bottom-up vs top-down in TYNDP

- Original “scenarios” coordinated project plans, started from grid need (forecasting)
- New deterministic scenarios (like ours) start from climate goal, grid need derived (backcasting)
- ENTSOs used to asking tech Qs, not reverse engineering Gt of CO₂
- Paris is not “80-95% less GHG”*

Budget \neq %



Power just part of carbon budget

- Decide on pathway (global budget)
 - 2.0° or 1.5° C?
 - 66% or 50% probability
 - S-curve, linear?
- Equitable share for Europe (per capita, with legacy emissions?)
- Share of non-energy (agriculture, cement, coke, etc.)

Controversial options

- Negative emissions
- Biomass
- CCS (in industry)
- Geo-engineering

Social innovations (behavioural change)?

- Walkable cities allows for fewer EVs
- E-Bikes and e-scooters = fewer EVs
- Virtual reality offsets travelling
- Vegetarianism
- Communities = distributed & district heat (ENTSO-*H*?)

We get to make our own storyline!

- Two positions (1.6 FTE) at CAN and EEB
- 5 storyline and 4 modelling workshops in 2019-2020
- Deeper questions: inertia, share of H2 in gas network, etc.
- Publication with Ren21 of storyline & stakeholder process report, comment on TYNDP 2020 (OMG...)
- We need a name – The Gap to Paris?

We need a name....

O_n

Mitigating the

G_{ap}



**Thanks for
listening!**

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