Association Webinar Rewinds

Recent times have seen turbulence in global markets, travel and conferences. In these trying times, staying informed has taken on new challenges as we attempt to balance our professional lives with personal safety considerations. To help you keep in touch, the International Association for Energy Economics has rolled out an extensive program of webinars on topics reaching all facets of energy economics.

Webinar Rewinds

**Topic:** Carbon Pricing Shaping Carbon-Neutral Energy & Transport Systems: Technology Exchange, Business Cases

**Moderator/Speaker:** Hans Auer

**Speakers:** Karlo Hainsch and Sebastian Zwickl-Bernhard

**Date/Time:** September 27, 2021 10:00 - 11:00 AM Eastern Time

**Host:** International Association for Energy Economics

**More details:** [Click here]

Hans Auer (TU Wien)
Karlo Hainsch (TU Berlin)
Sebastian Zwickl-Bernhard (TU Wien)

IAEE Webinar, September 27, 2021
Global Emissions and Temperature Increase until 2100

Reality 2019: all time high (43.1 GtCO$_2$/yr)

Outlook 2023 (@IEA): new all time high expected, despite Covid-19

We are following approximately bold red line
Map of Carbon Taxes & Emissions Trading Systems in 2021

Carbon Prices in selected Countries as of April 1, 2021
European Carbon Pricing: Lessons from the Past, Future

Past: Lessons learned

- Both instruments work (carbon taxes, emission trading systems)
- Both instruments have pros/cons and different target groups
- Regardless of instrument, important:
  - details of design, implementation, monitoring, adjustment mechanism
  - stable policy framework -> long-term planning / adaptation horizon
  - prudence (competitiveness of industries, social aspects of end users, …)

Future: European 2030 Policy, Green Deal „Fit for 55“

- „Leaving no one behind“
  - European economy competitiveness (CBAM Carbon Border Adjustment Mechanism, 2023/2026)
  - national economies / industries within Europe
  - historical grown technology / fuel mix (e.g. Poland)
  - end-users: socially balanced financial burden sharing

- Amendment of EU ETS, Phase 4 from 2021-2030
  - Still free allocation of allowances; inclusion of suppliers for transport/mobility/heating fuels (start 2025) in addition to industry, utility industry and aviation
  - annual cap reduction to 2.2%; Market Stability Reserve (resilience to future shocks)
  - many others

- European 2030/2050 policy framework points into the right direction: make it happen!
Karlo Hainsch, CoalExit Research Group, TU Berlin

CO₂ price paths of the open source energy system model GENeSYS-MOD for a climate-neutral European energy and transport system

Sebastian Zwickl-Bernhard, Energy Economics Group (EEG), TU-Wien

Shifting profitability boundaries and new balances in the energy transition due to rising CO₂ prices - upcoming new business cases
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Open Energy Transition Analyses
for a Low-Carbon Economy

https://openentrance.eu/

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