

German Energy Policy

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National Contact Point for Energy

PtJ /FZJ



C-ENERGY+ Connecting Energy NCPs.
A Pro-Active Network of National Contact
Points in the Seventh Framework
Programme under the Energy Theme

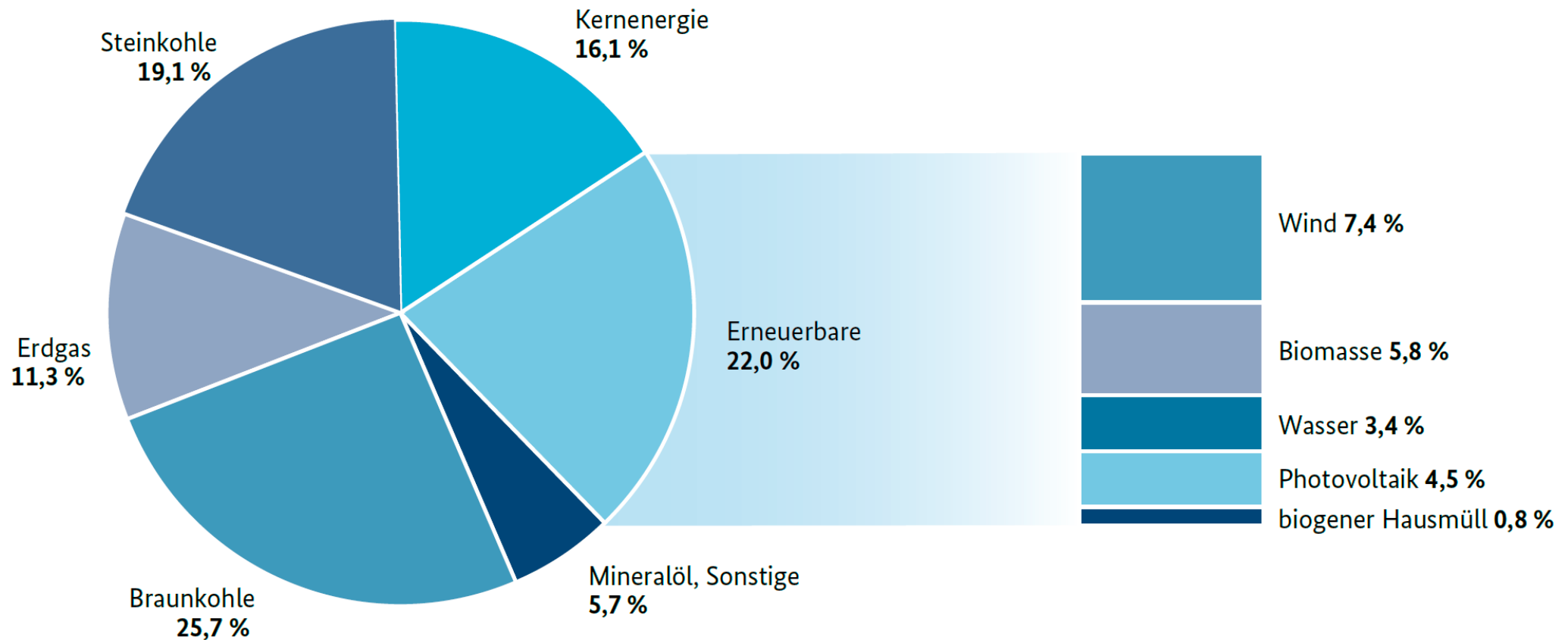
“Energiewende”

- greenhouse gas reductions: 80% reduction by 2050
- renewable energy targets: 50% share in production by 2030 and 80% by 2050 (renewable broadly defined as hydro, solar and wind power)
- 50% reduction of primary energy consumption by 2050
- Nuclear power plants off grid by the end of 2022
- 1 million EV till 2020 and 6 million till 2030
- an associated research and development drive

History of “Energiewende”

- 1991 “feed-in” law (Stromeinspeisegesetz)
- 1998 tax on electric power
- 2000 “feed-in” law replaced by “Renewable Energy Law”, EEG
- 2000 decision on retreat from nuclear energy (modified 2002)
- 2005 launch of European ETS
- 2010 German energy concept of implementation of RE with prolonged runtime of nuclear power plants
- 2011 shut-down of 8 nuclear power plants and shorter phase-out for remaining ones (till 2022)

Abbildung 6: Bruttostromerzeugung in Deutschland 2012 (617,6 TWh)*



* Vorläufige Angaben, z.T. geschätzt. Abweichungen in den Summen durch Rundungen.

Quellen: Arbeitsgemeinschaft Energiebilanzen e.V., Bundesverband der Energie- und Wasserwirtschaft e.V.

Examples of support for energy policy

enArgus[®]

Information system on national energy research funding

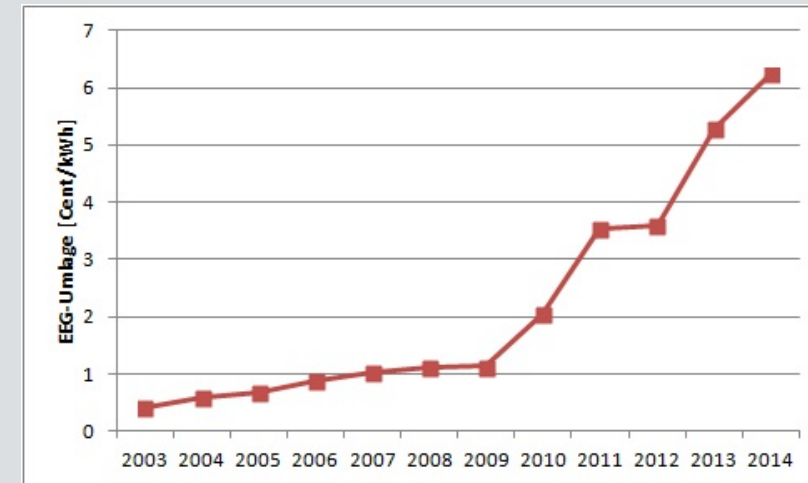
IKARUS:

analytical tool modelling energy systems including all energy technologies for DE

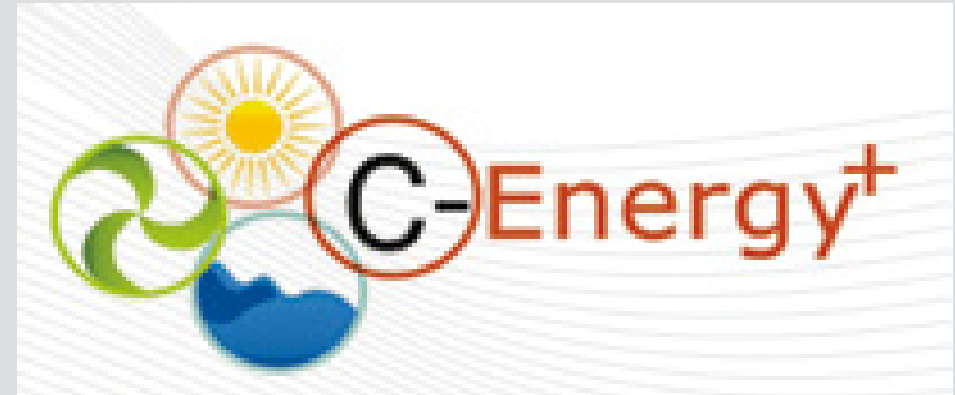
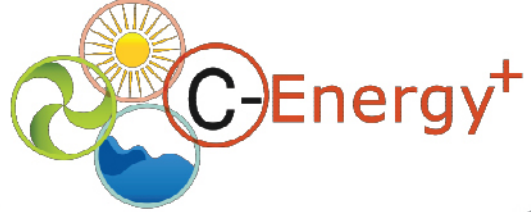
Energy Research Co-ordination Platform (2006),
“Federal-Länder energy research dialogue” (2010),
“Energiewende Research Forum (new)

Some consequences of Energiewende

- Rising EEG levy
- Danger of distorting market principles
- "merit-order effect" - price reduction on power exchange



<http://www.science-skeptical.de/energieerzeugung/vorwaerts-immer-rueckwaerts-nimmer-eeg-umlage-steigt-2014-auf-624-cent/0010958/>



C-ENERGY+

The Network of Energy National Contact Points



Thank You!

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