



Dr. Stefanie Pfahl

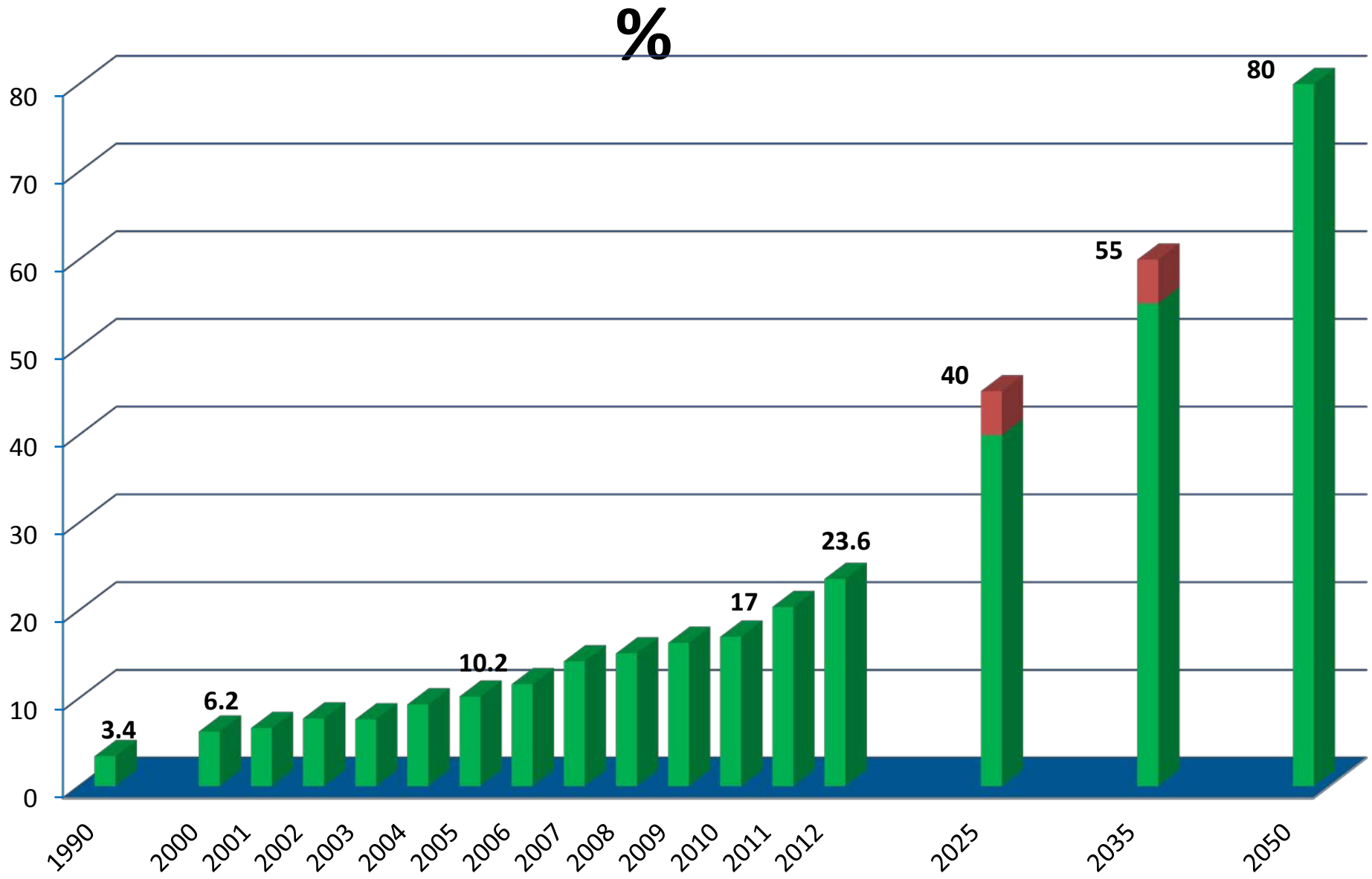
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Nature Conservation, Buildings and Nuclear Safety

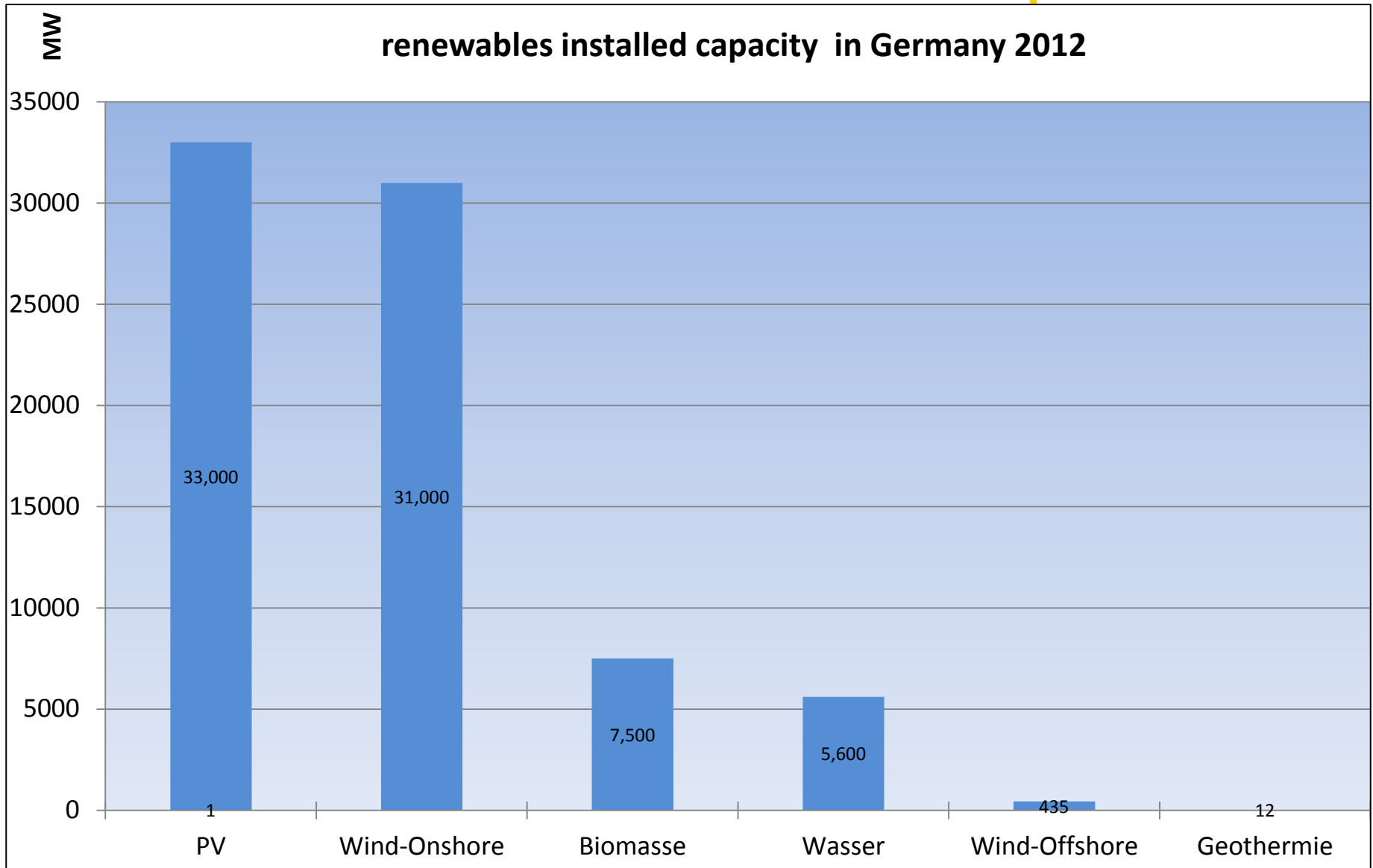
Tokyo, 25. 02.2014

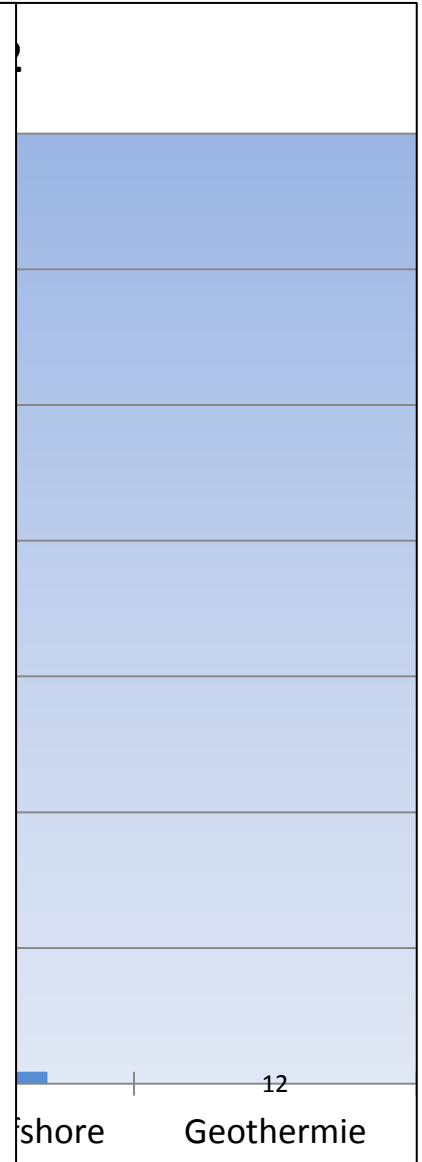
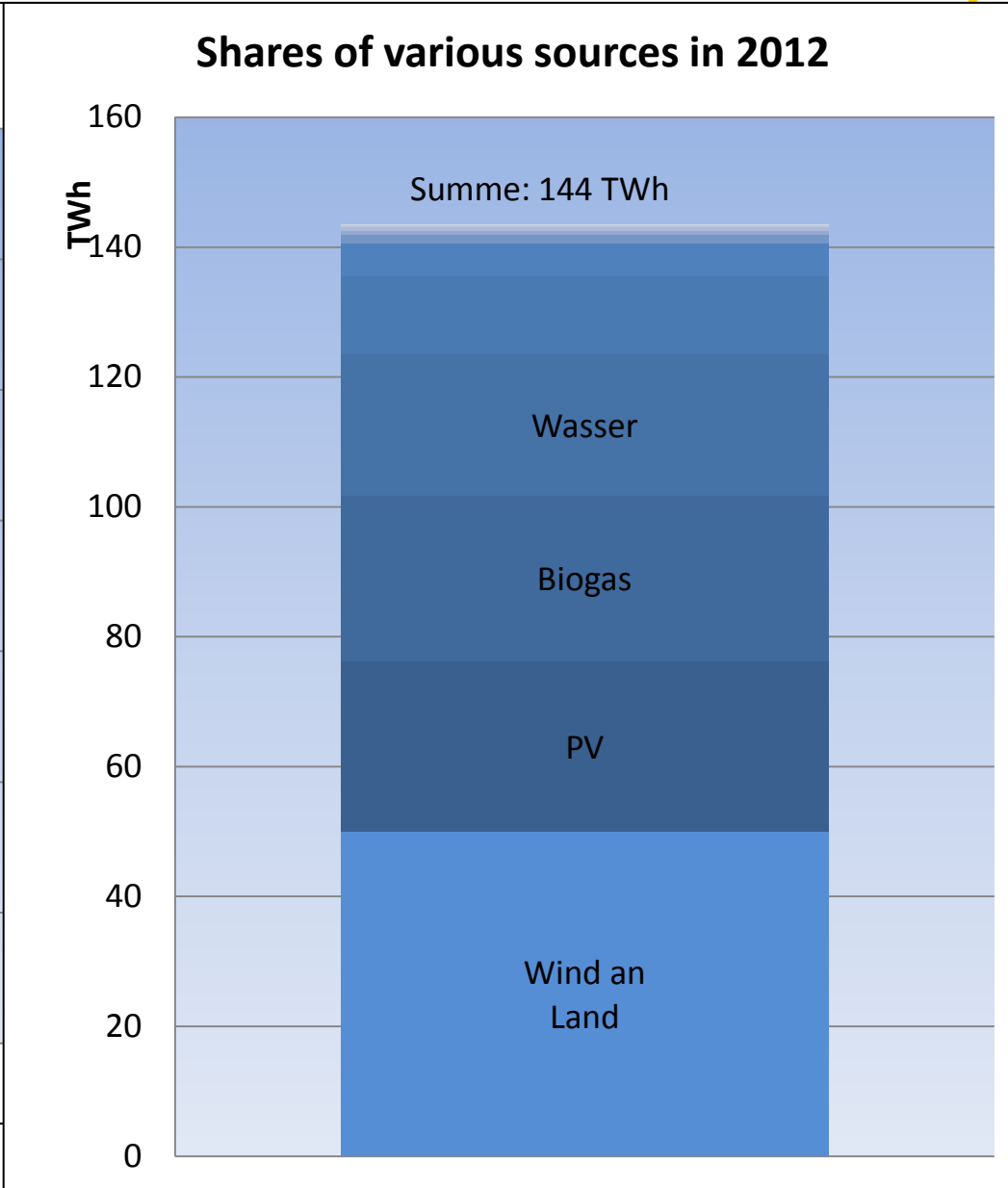
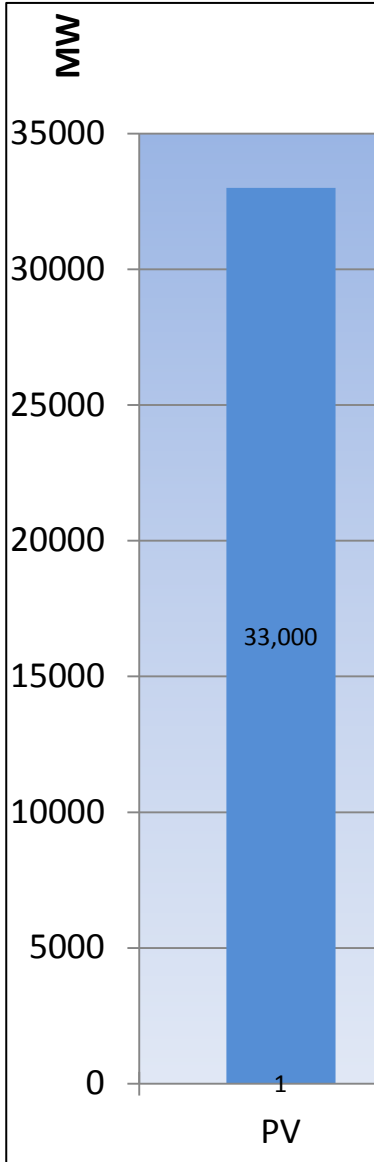
Renewables share electricity consumption in

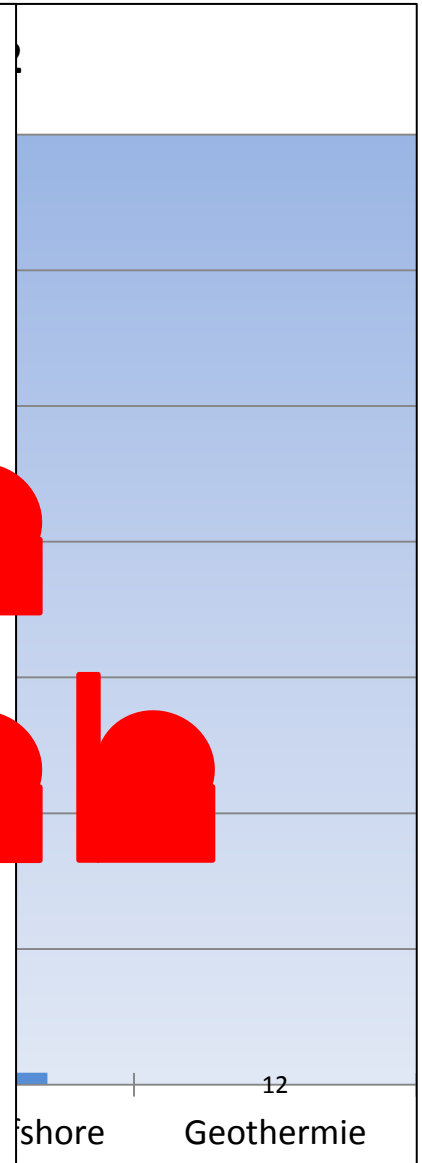
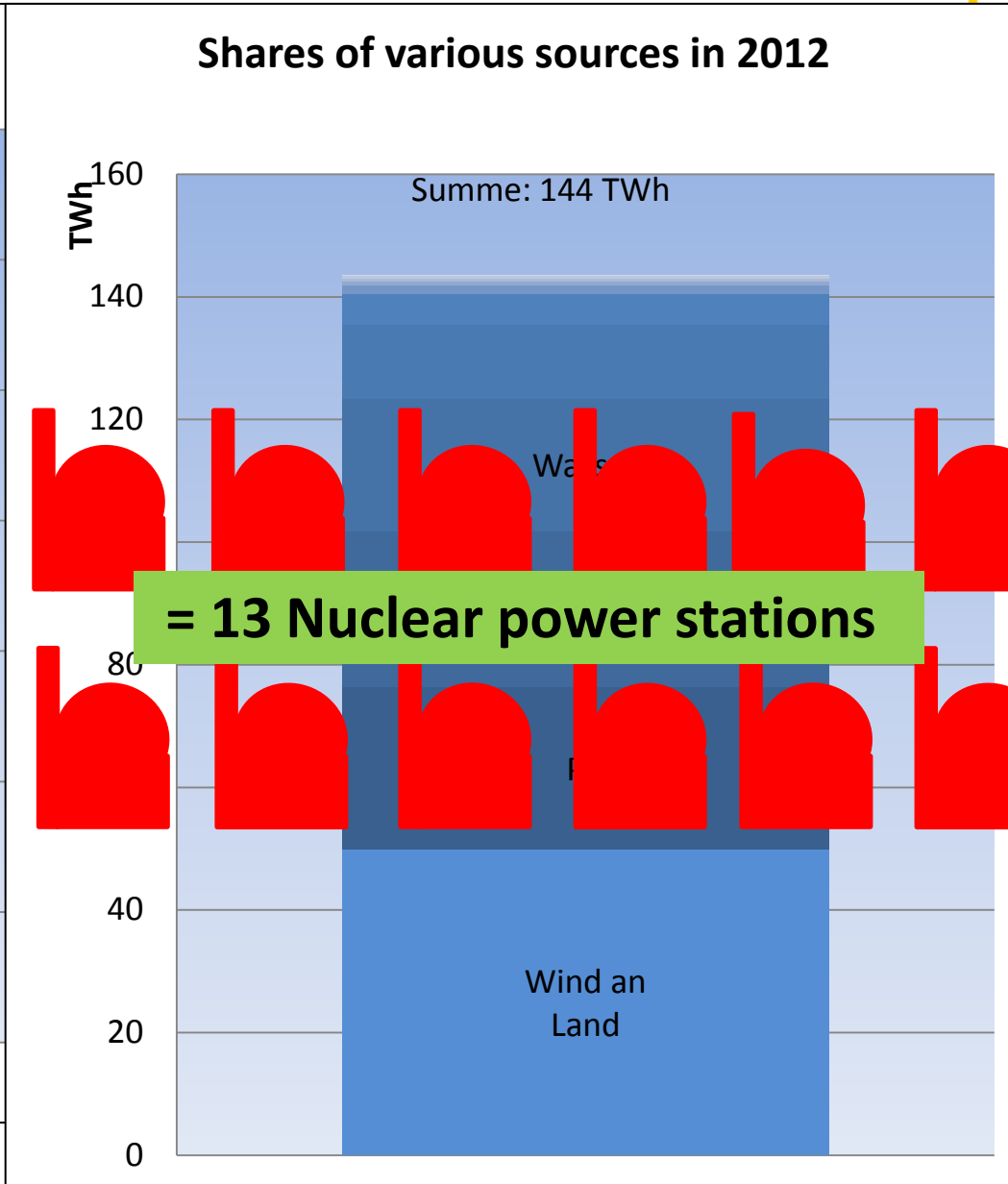
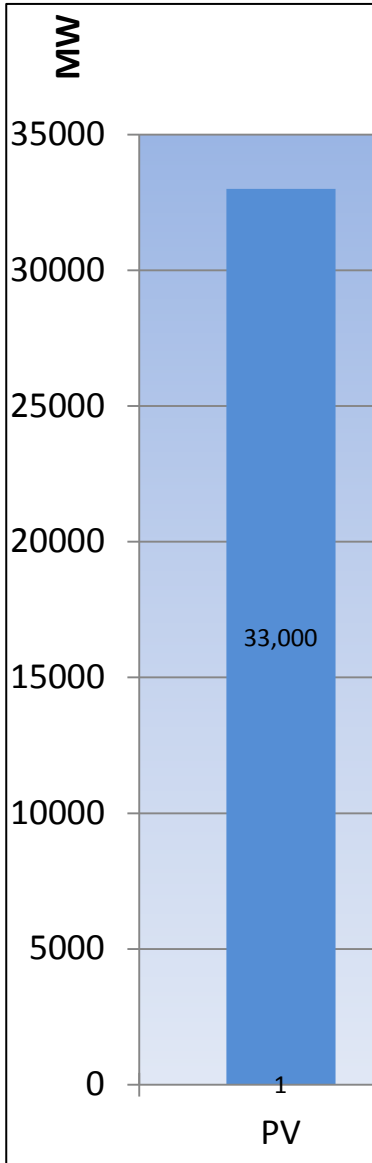


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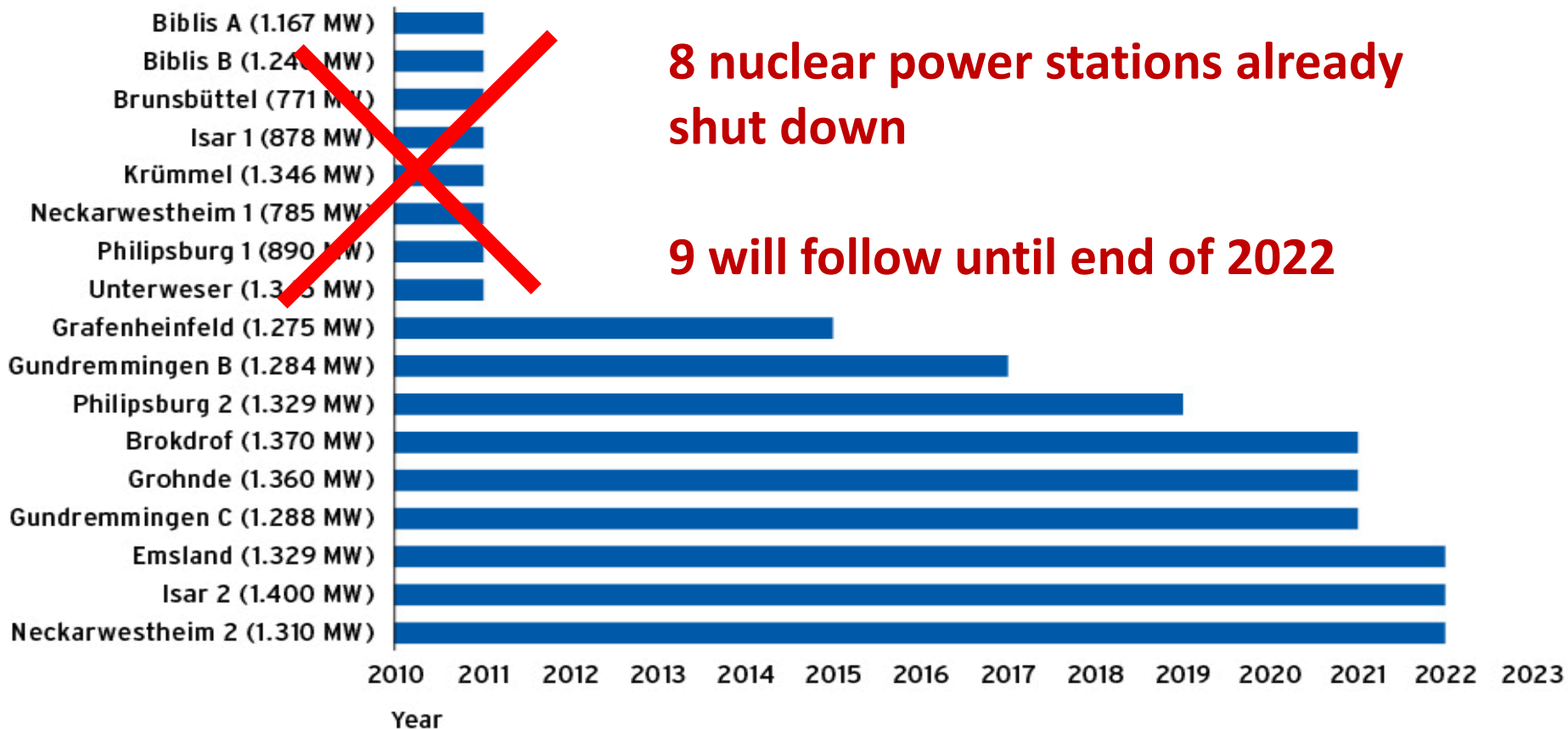








Replacing Nuclear Power



	2011	2015	2017	2019	2021	2022	total
Capacity taken off grid in MW	8.422 *	1.275	1.284	1.329	4.018	4.039	20.367

* 2.1 GW already removed from the grid since 2008

Challenges for the Grid



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Extension of transmission grid by 10 to 15 %

Extension of distribution grid by 10 to 15 %

Kosten:
42 Mrd. € für 20
Jahre =
2 Mrd. pro Jahr
für 50 % EE

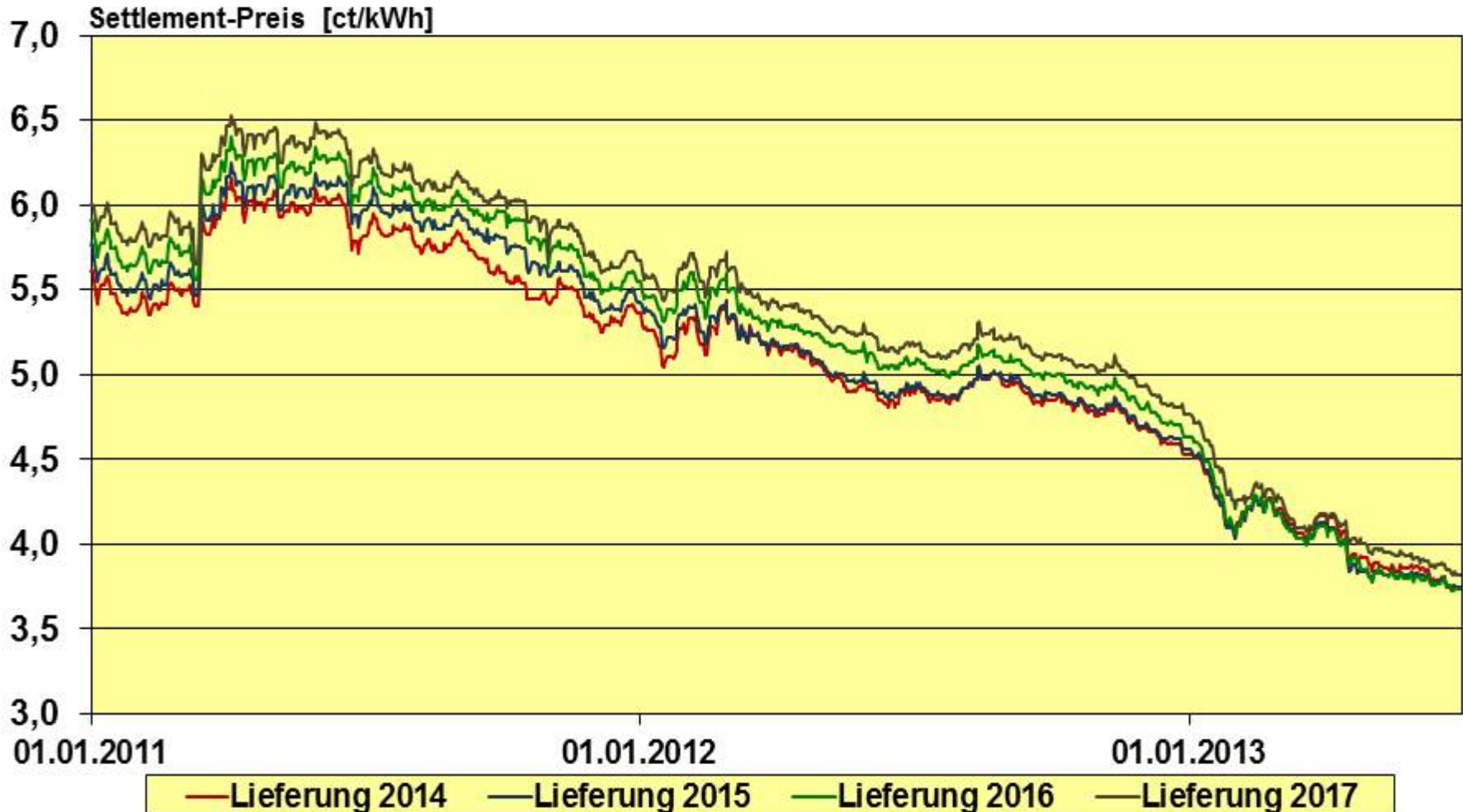


Development of electricity prices



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Börsenstrompreise am Terminmarkt der EEX von Jan. 2011- Jun. 2013



EEG 2.0



Federal Ministry for the
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- 1. Renewable share 40 – 45 % by 2025, 55 – 60 % by 2035**
- 2. Mandatory corridors for main renewables (wind, pv, biomass)**
- 3. Corridors build base for grid planning**
- 4. Introduction of facility registry**
- 5. Appropriate tariff reduction while keeping goals**
- 6. Reduction of biomass use**
- 7. Determination of tariffs through tender processes from 2017**
- 8. Mandatory direct marketing**
- 9. Reduction of exemption from renewable costs**
- 10. Renewables surcharge also for self-produced electricity.**



„Energiewende“ cornerstones

Climateprotection

Energyefficiency

Energysaving

Renewables

Sectors

- Electricity
- Heat
- transport



Thank you for your attention!



More Information:

www.bmub.de/english

www.erneuerbare-energien.de/english