



# Renewable Energies in Germany

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Hong Kong University



Cologne Institute for  
Renewable Energy

Technology  
Arts Sciences  
TH Köln

# Climate Change



# Finite Ressources



# Sustainable use of energy

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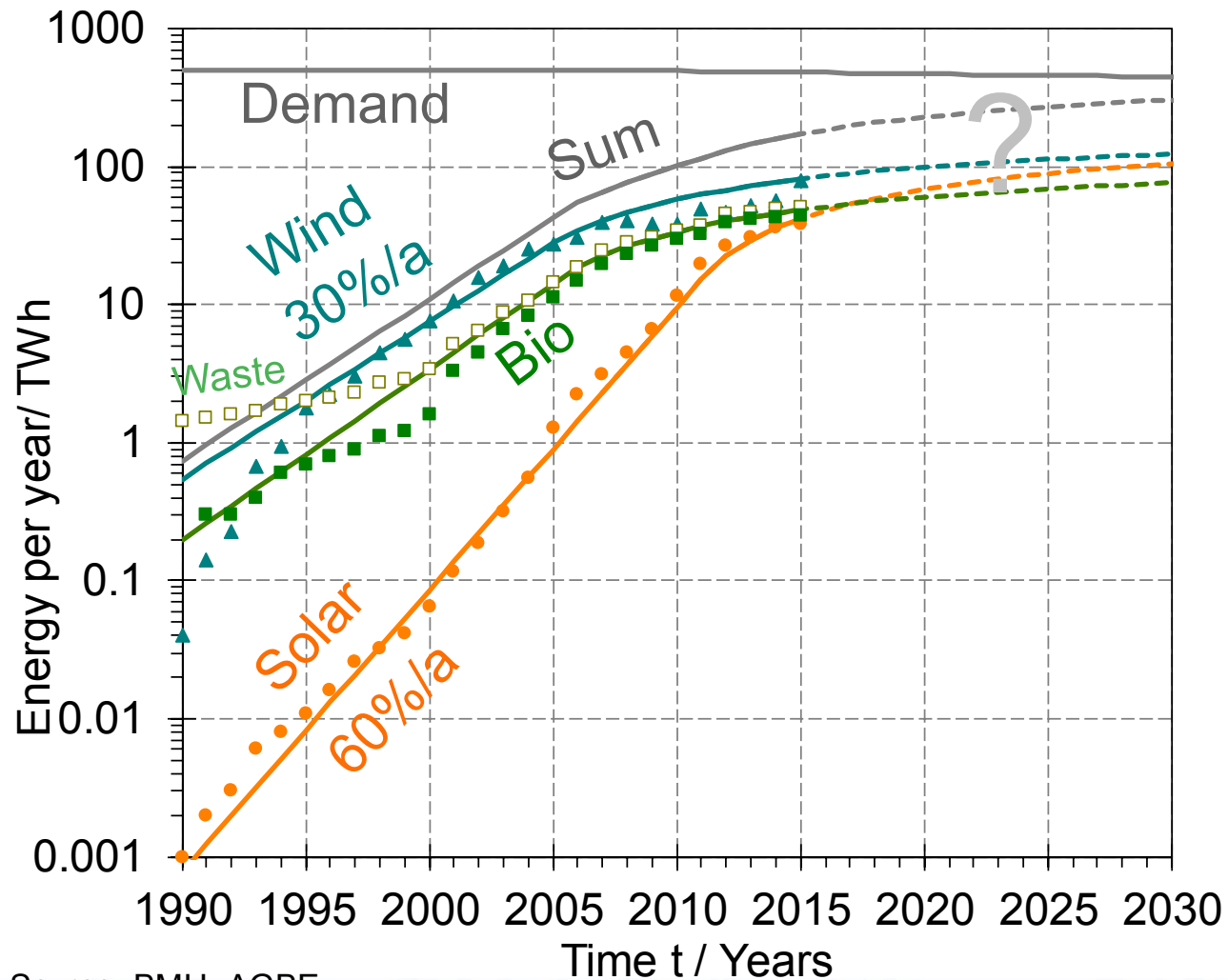
- Largest challenge of our age
- Change to **100% Renewable Energies** is the only solution



# Germany as „Weltmeister“

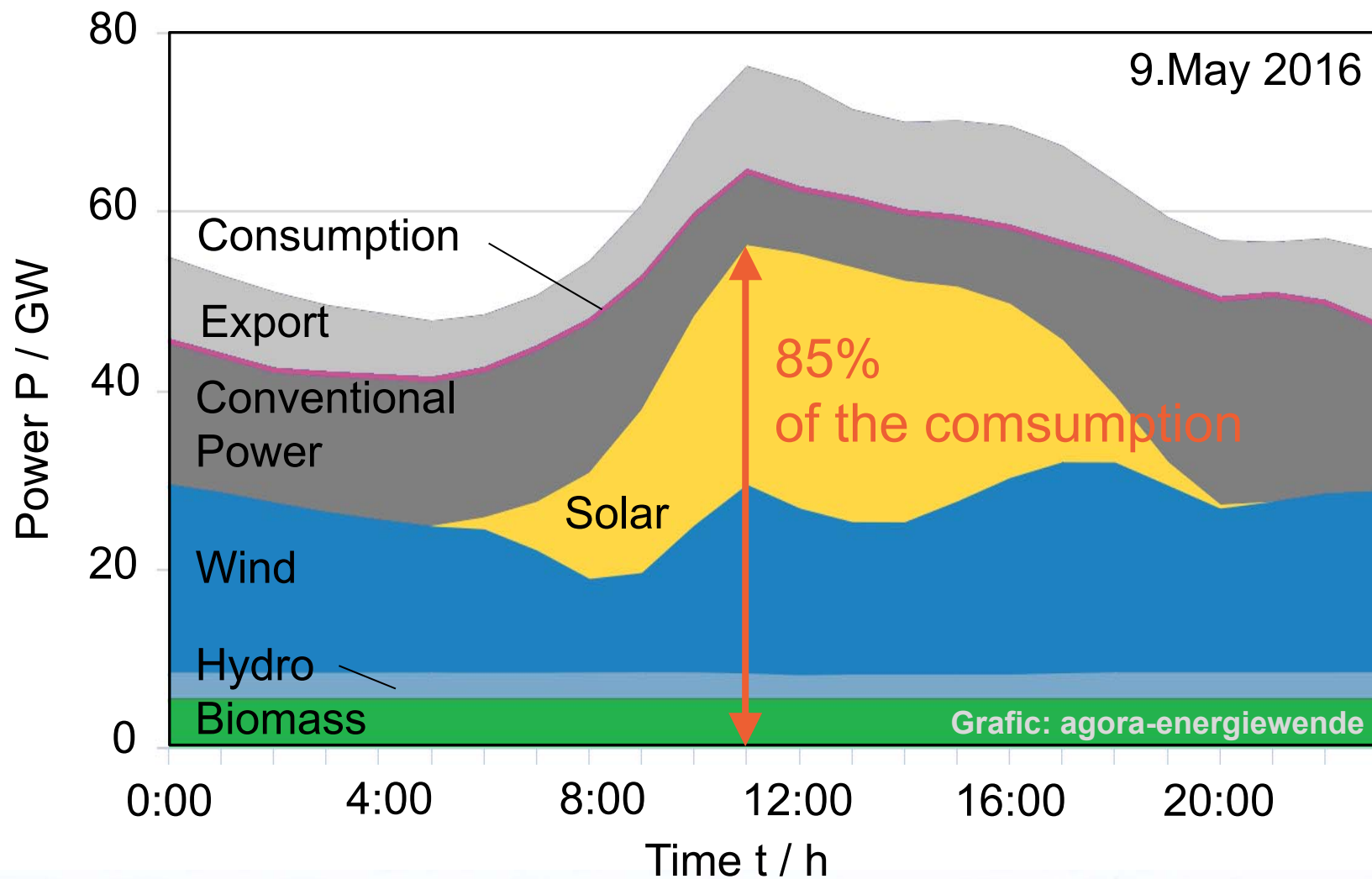


# Development in Germany



Source: BMU, AGBE

# Sometimes 85% RE in the grid



# Bürger-Energiewende: Involment of the citicens





# Involvement of citizens

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# Financial aspects



# Speed



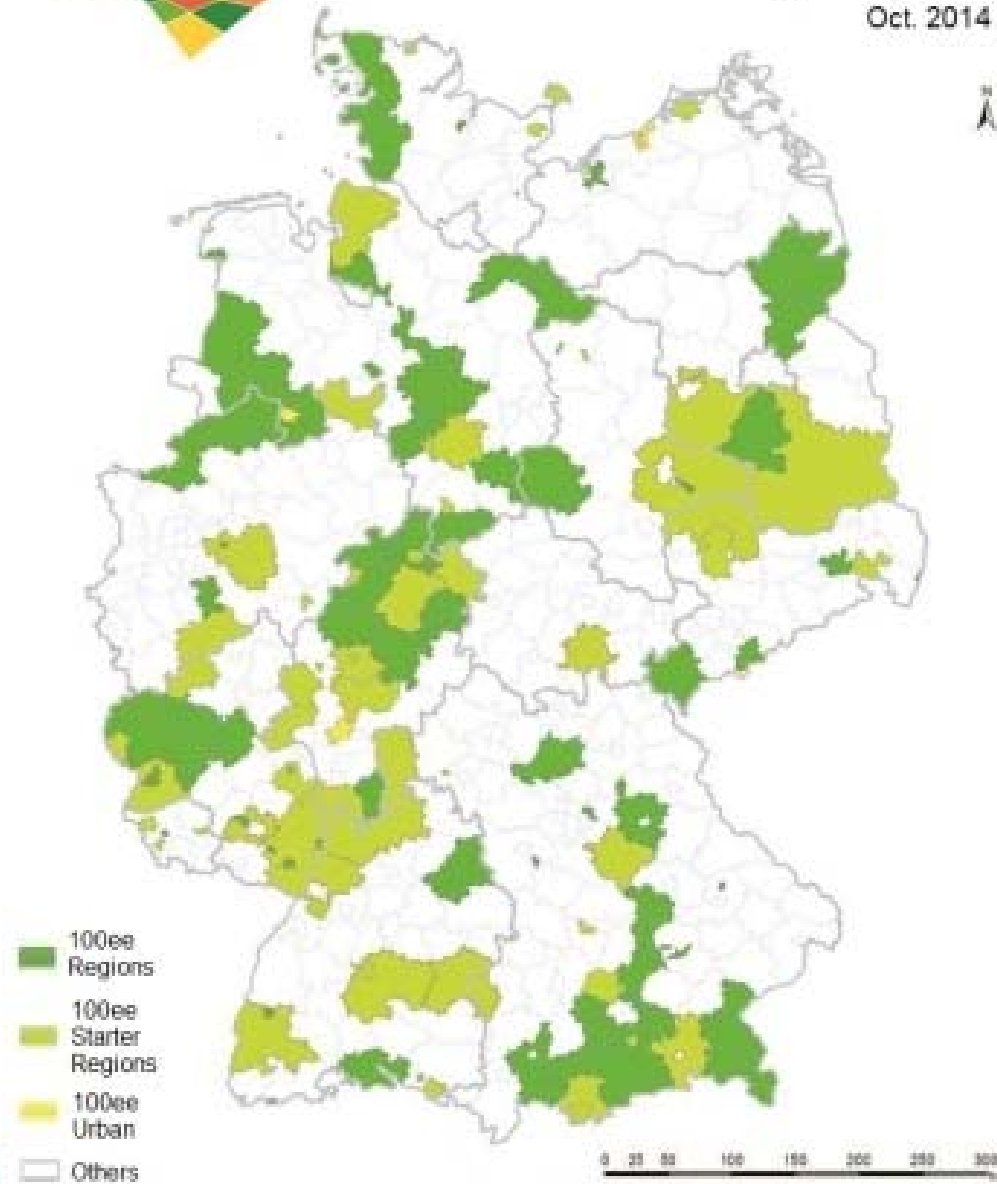
# Renewables are decentralized: 100% Renewable Energy regions



# How politicians think about renewables

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# Legislative



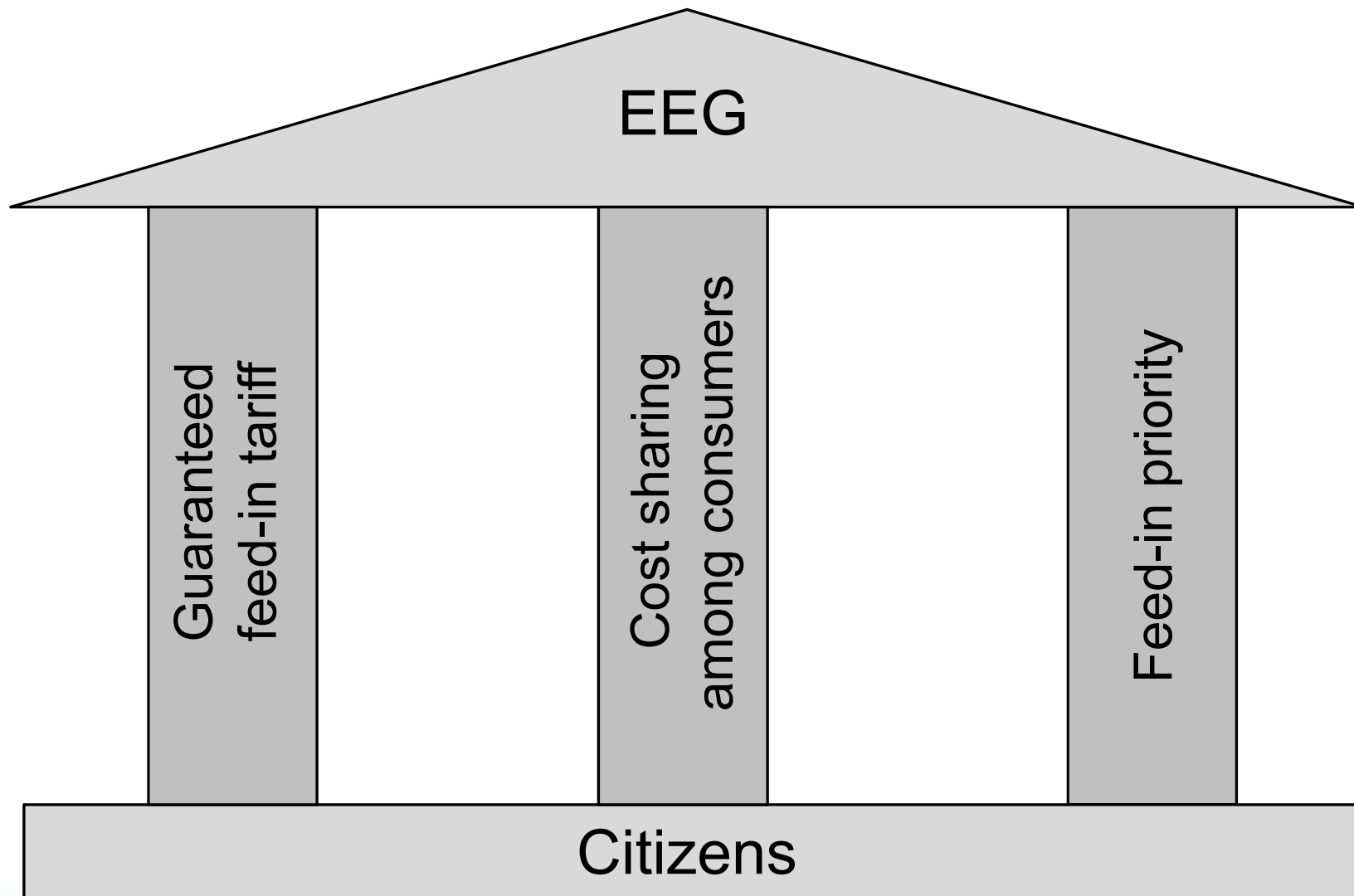
# The Renewable Energy Act - EEG





# The three pillars of the EEG

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# Feed-in priority

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# Feed-in tariff

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Examples feed-in tariff	
<i>Modality</i>	<i>Feed-in tariff / €ct/kWh</i> depending on system size
PV	8.53 – 12.31 €ct/kWh
Wind onshore	8.20 – 8.58 first 5 years 4.39 – 4.77 later
Wind offshore	15.00 – 15.40 first 12 years 3.50 – 3.90 later
Biomass	10.34 – 13.39

Status Sept. 2016

# Cost sharing

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# Other measures

Eco-power providers



CO2 certificate trading



# Fossile energy



# Struggle for survival

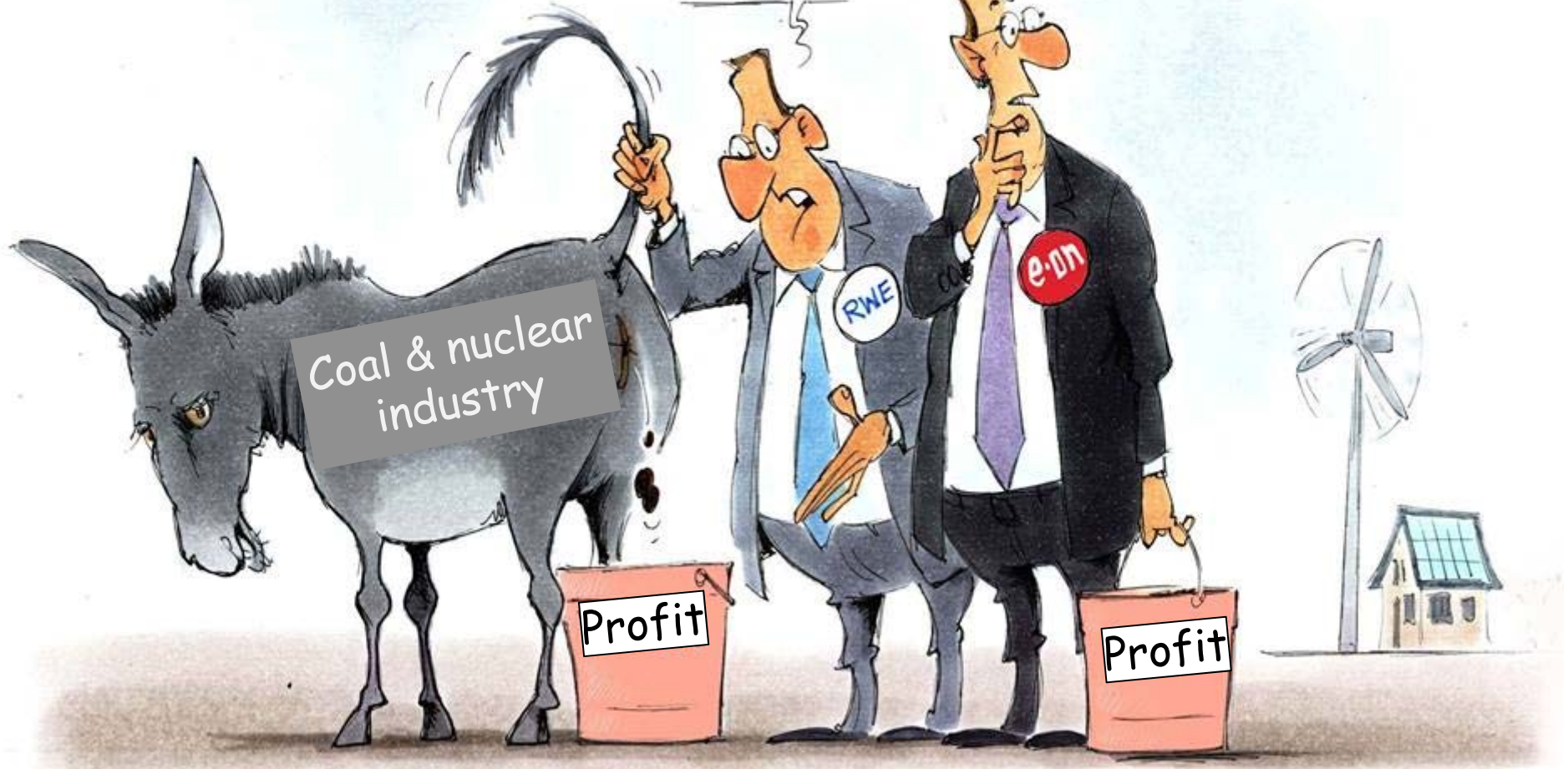


Lignite coal mine, Garzweiler II, Germany

Morawitz

Scheiße!  
Früher war das  
immer Gold!!

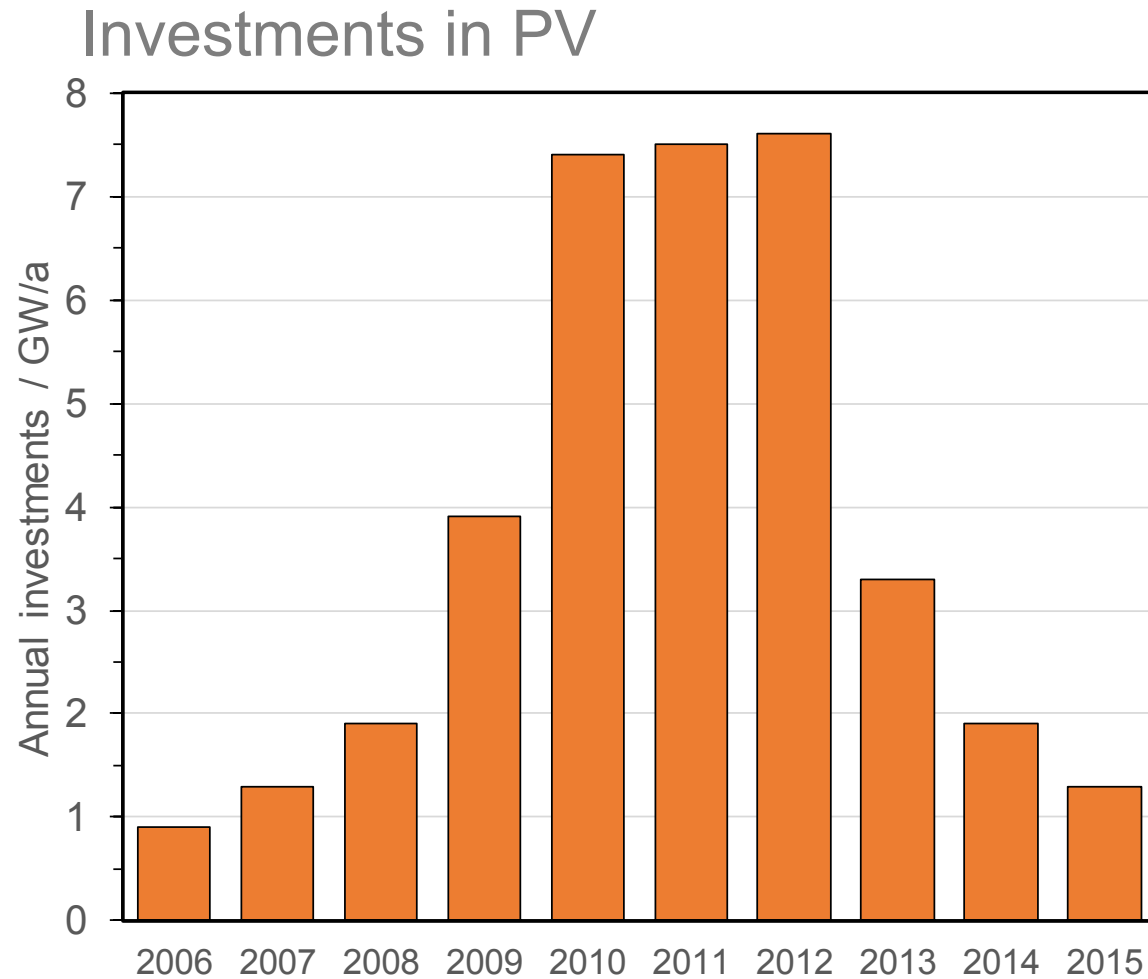
Damn!  
That was gold in  
earlier days!





# Downsizing of investments

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Shouldn't we address climate change in our campaign?

# The media

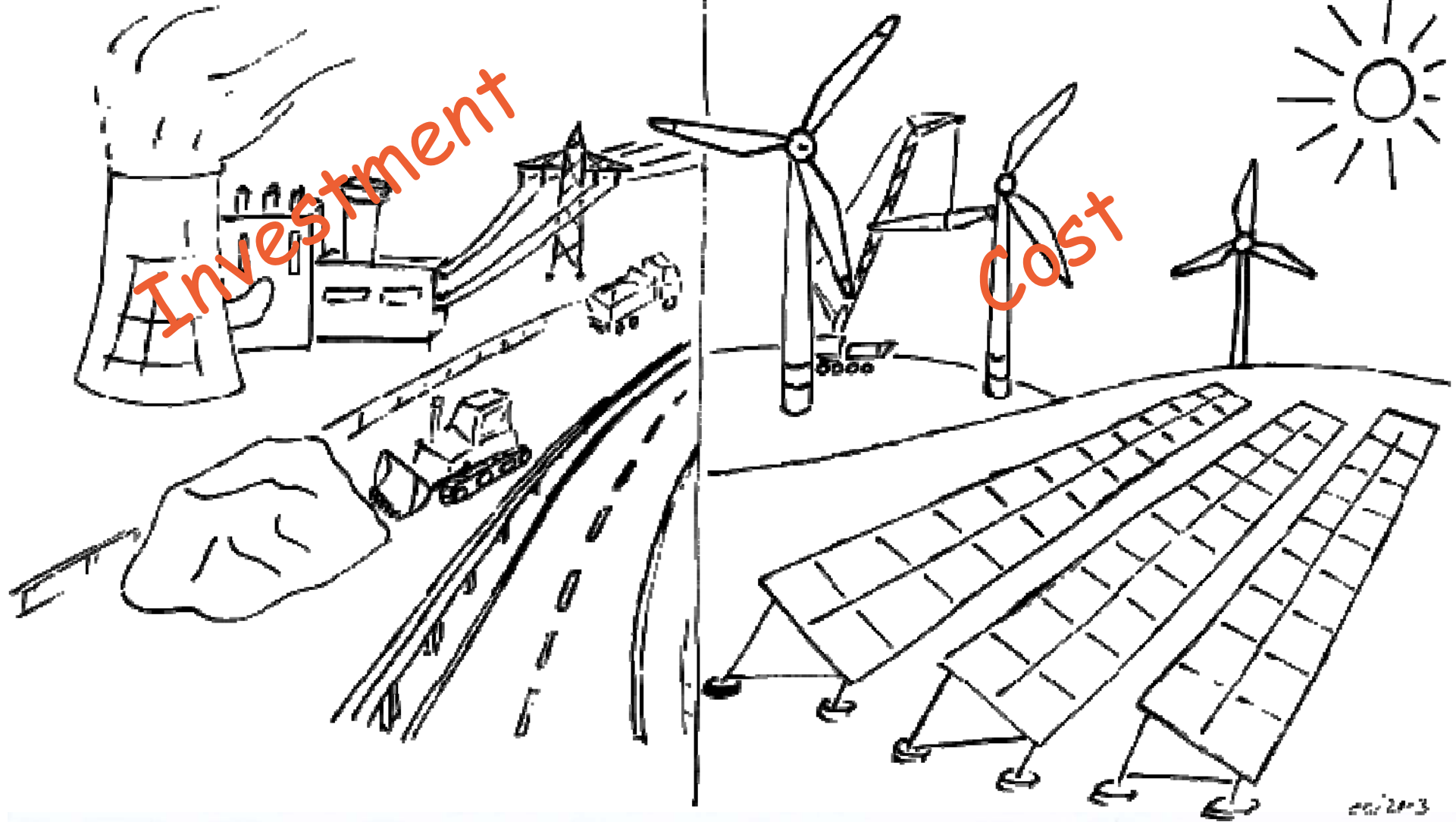


# Public media



Das sind Milliarden € „Investitionen“  
für unsere Bürger

Das sind Milliarden € „Kosten“  
für unsere Bürger





# Contact

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