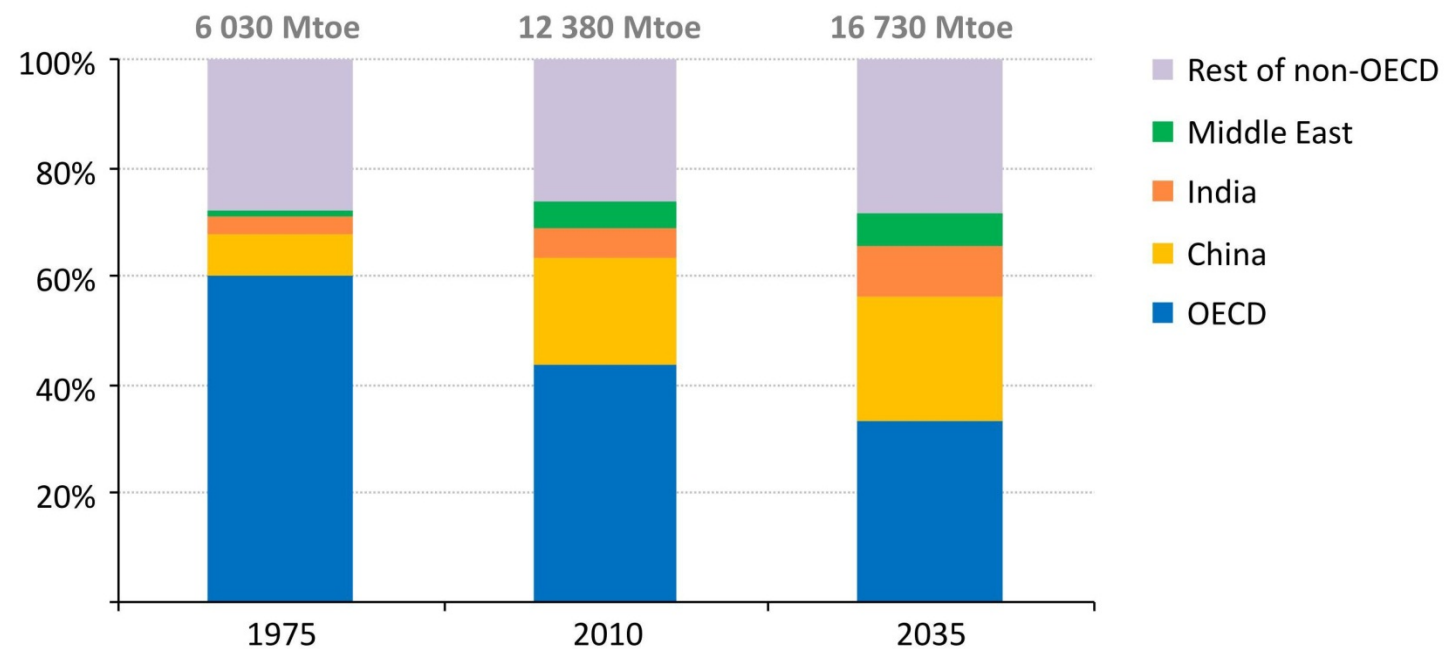


Deutschland, Europa, Asien – Energiekrise und Energiewende

Jürgen Maier
Forum
Umwelt & Entwicklung



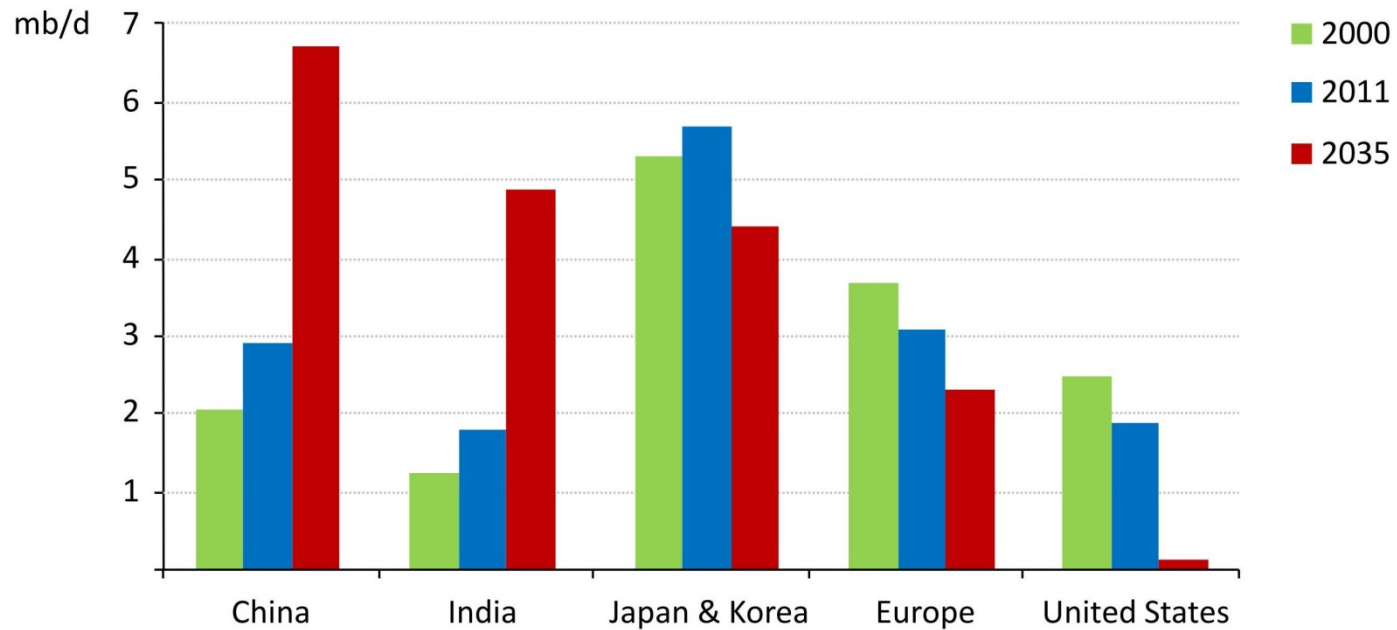
Share of global energy demand



Global energy demand rises by over one-third in the period to 2035, underpinned by rising living standards in China, India & the Middle East



Middle East oil export by destination



By 2035, almost 90% of Middle Eastern oil exports go to Asia; North America's emergence as a net exporter accelerates the eastward shift in trade



1991
Stromeinspeisegesetz
2002
Erneuerbare Energien - Gesetz
Erfolgsbilanz



Vorrangige Einspeisung von grünem
Strom ins Netz

Garantierte Vergütung für 10-20 Jahre

Investitionsanreize für erneuerbare
Energien



Anteil der EE am Stromverbrauch:

1990 – 3.4%

2000 – 6.3%

2004 – 9.3%

2006 – 12.0%

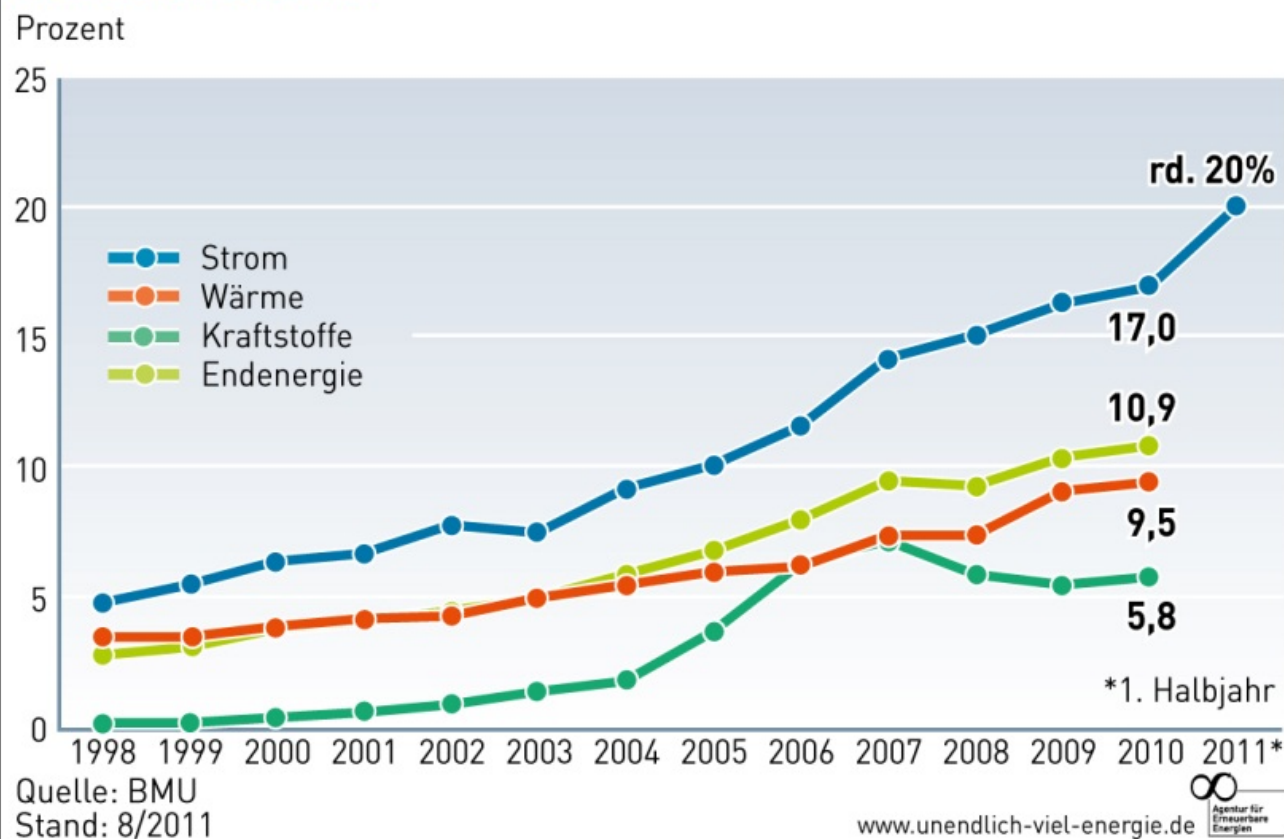
2009 – 16.1%

2011 – 20%





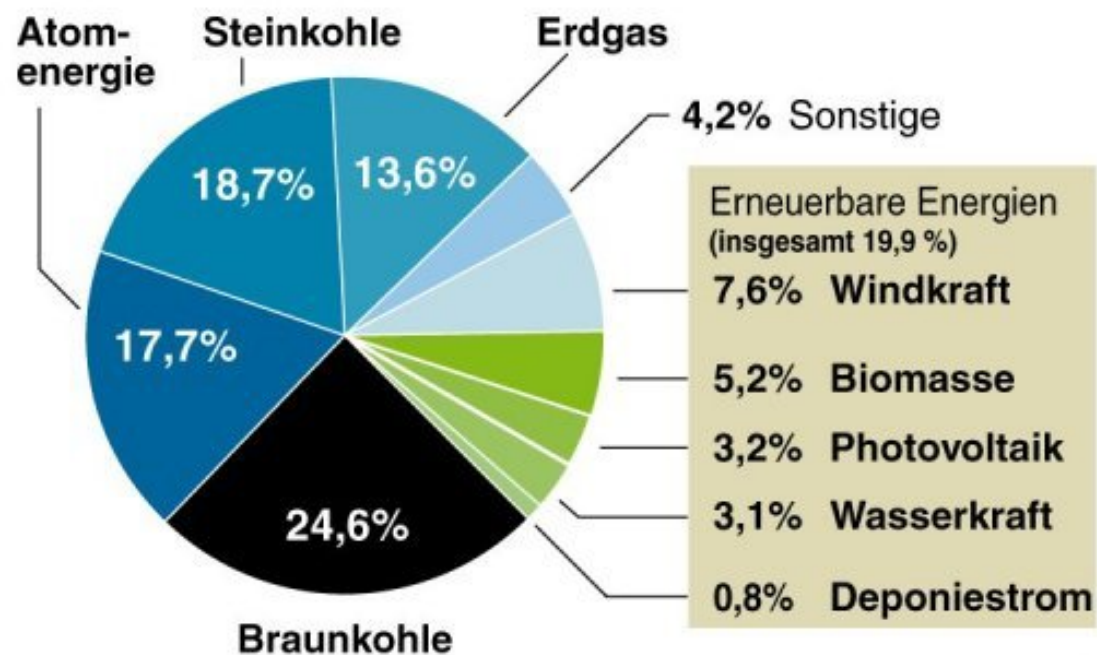
Anteil Erneuerbarer Energien am Energieverbrauch in Deutschland





Energie-Mix

in Deutschland 2011

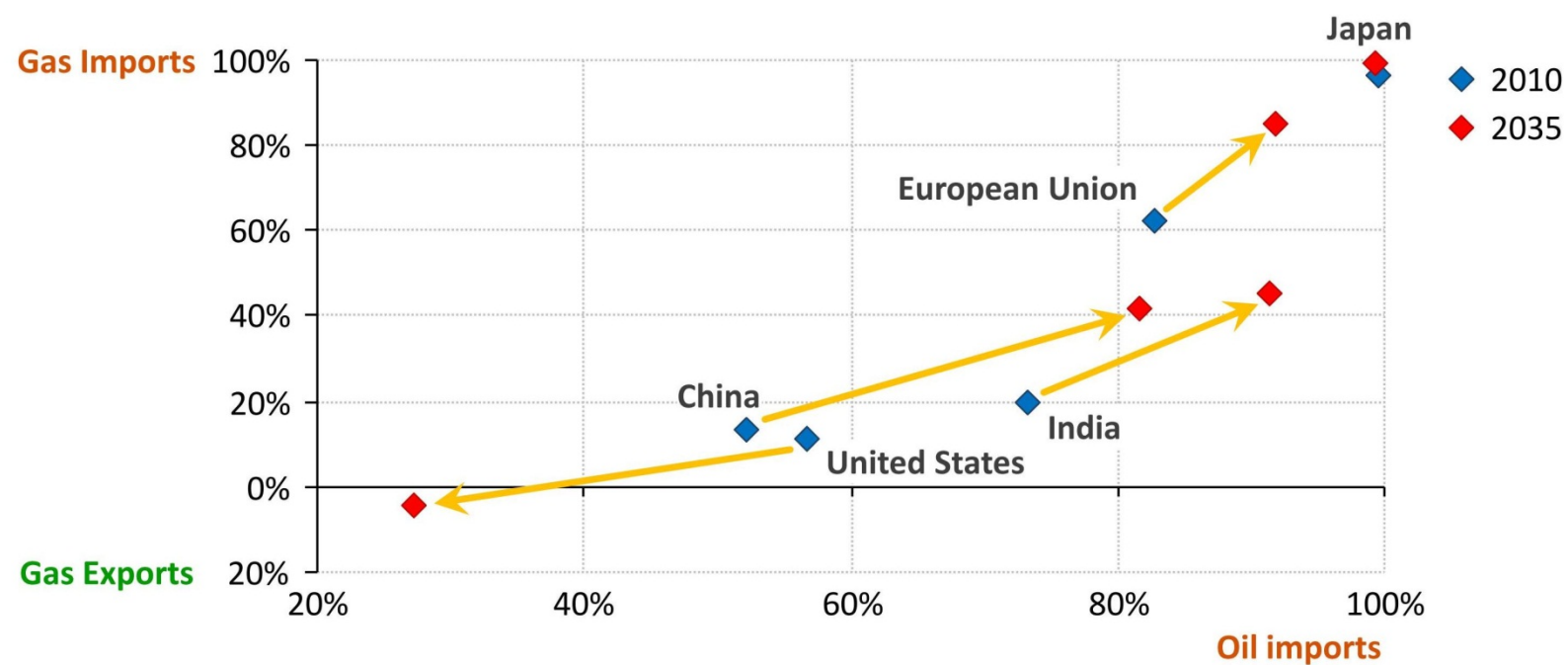


Quelle: BDEW

AFP

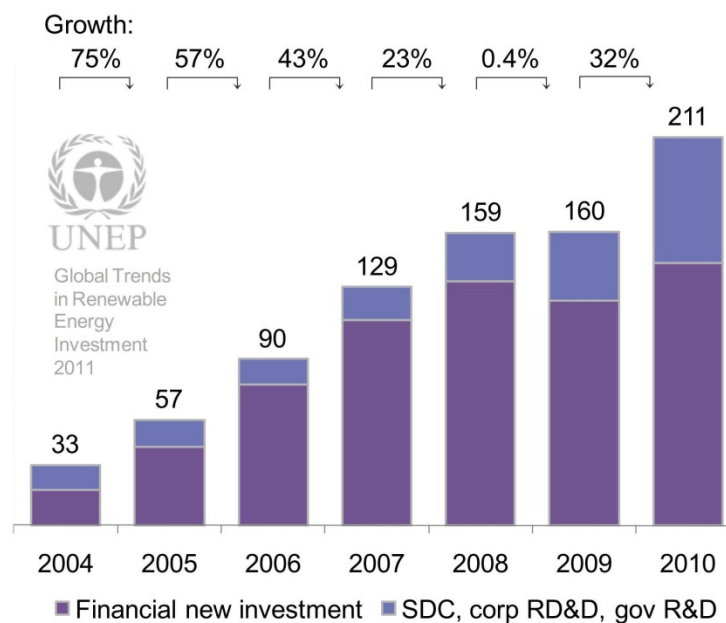


Net oil & gas import dependency in selected countries





Global new investment in renewable energy 2004 - 2010 (\$bn)



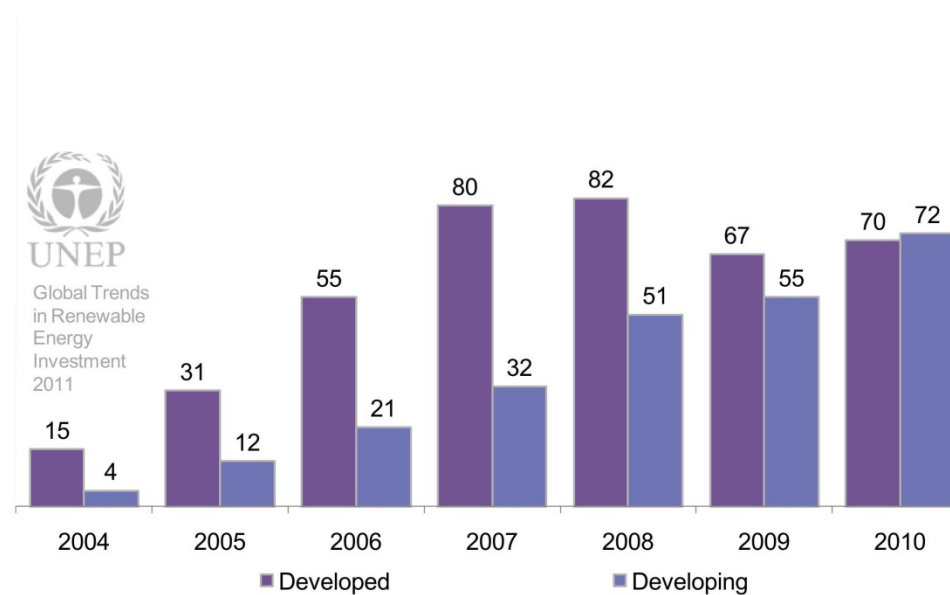
Note: SDC = small distributed capacity. New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance





Financial new investment in renewable energy: developed v developing countries, 2004-2010 (\$bn)



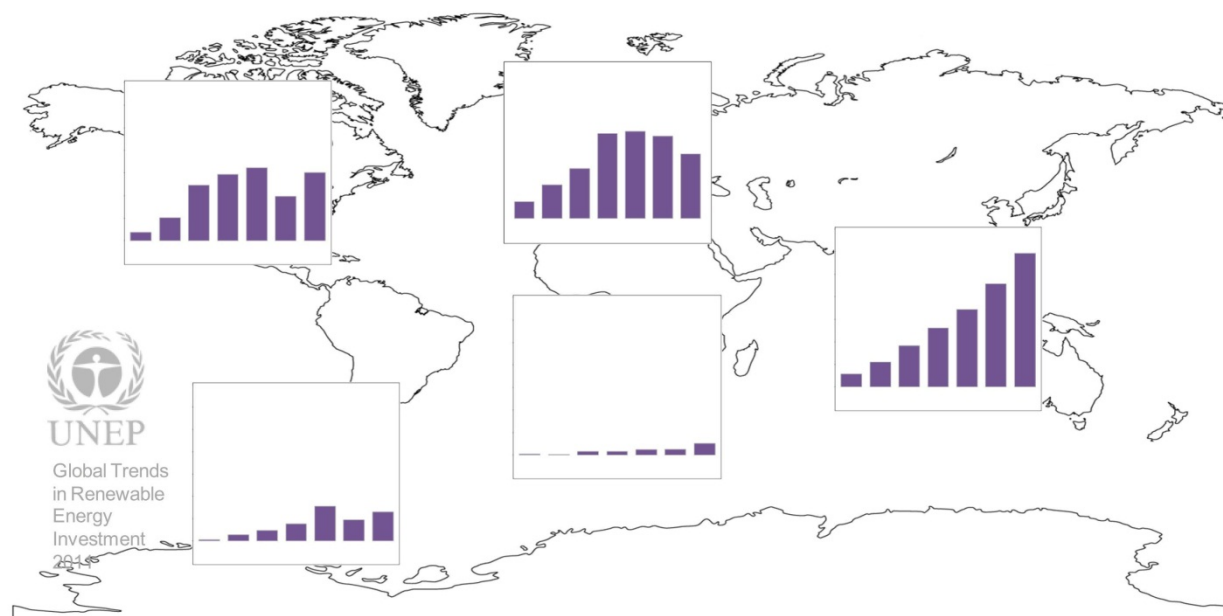
Note: New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals.

Source: Bloomberg New Energy Finance;
UNEP





Financial new investment in renewable energy by region, 2004-2010 (\$bn)



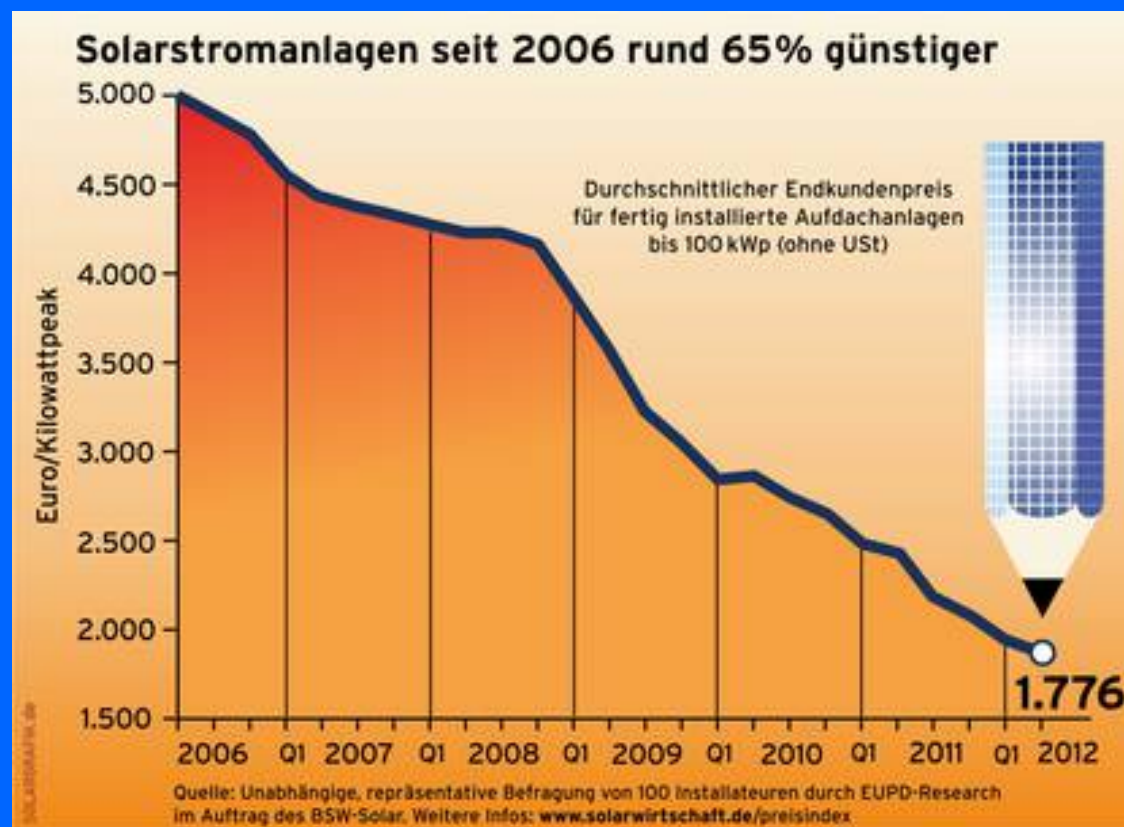
Note: New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals.
This comparison does not include small-scale projects.

Source: Bloomberg New Energy Finance;
UNEP



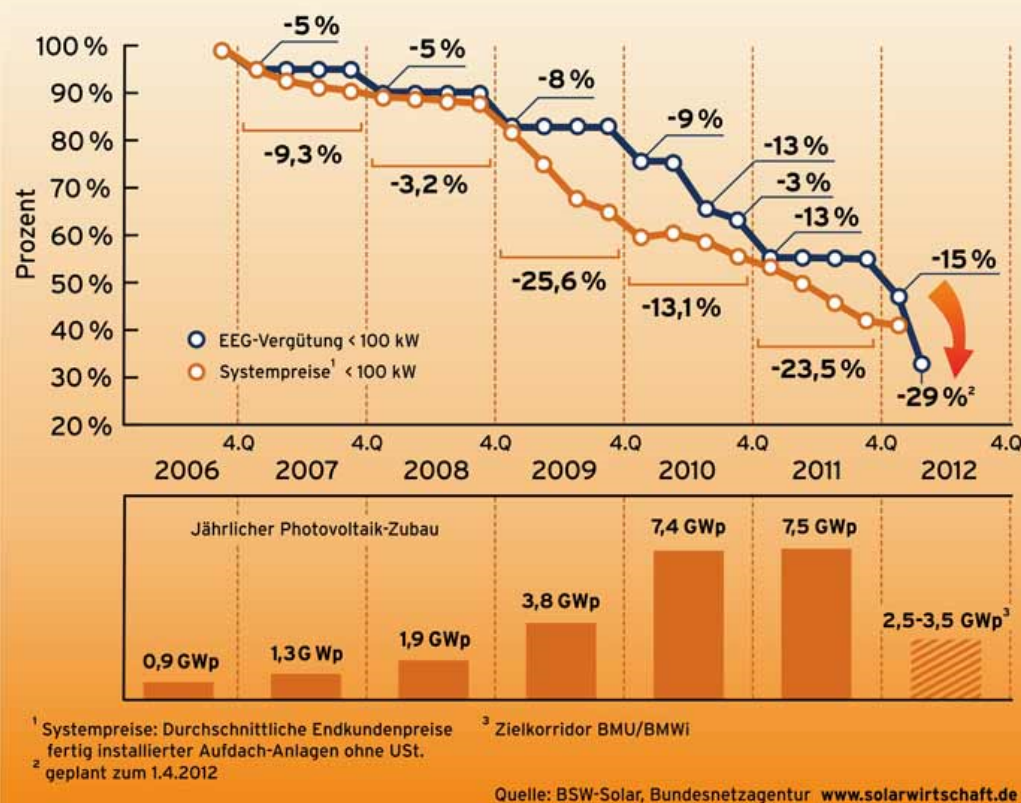
EEG bis 2030 insgesamt 250 Mrd €
EEG €10-12 Mrd jährliche Mehrkosten
gegenüber konventionellem Strom
Pro Haushalt: €6 monatlich
Löst €17 Mrd private Investitionen aus
Ersetzt Energieimporte von €11 Mrd





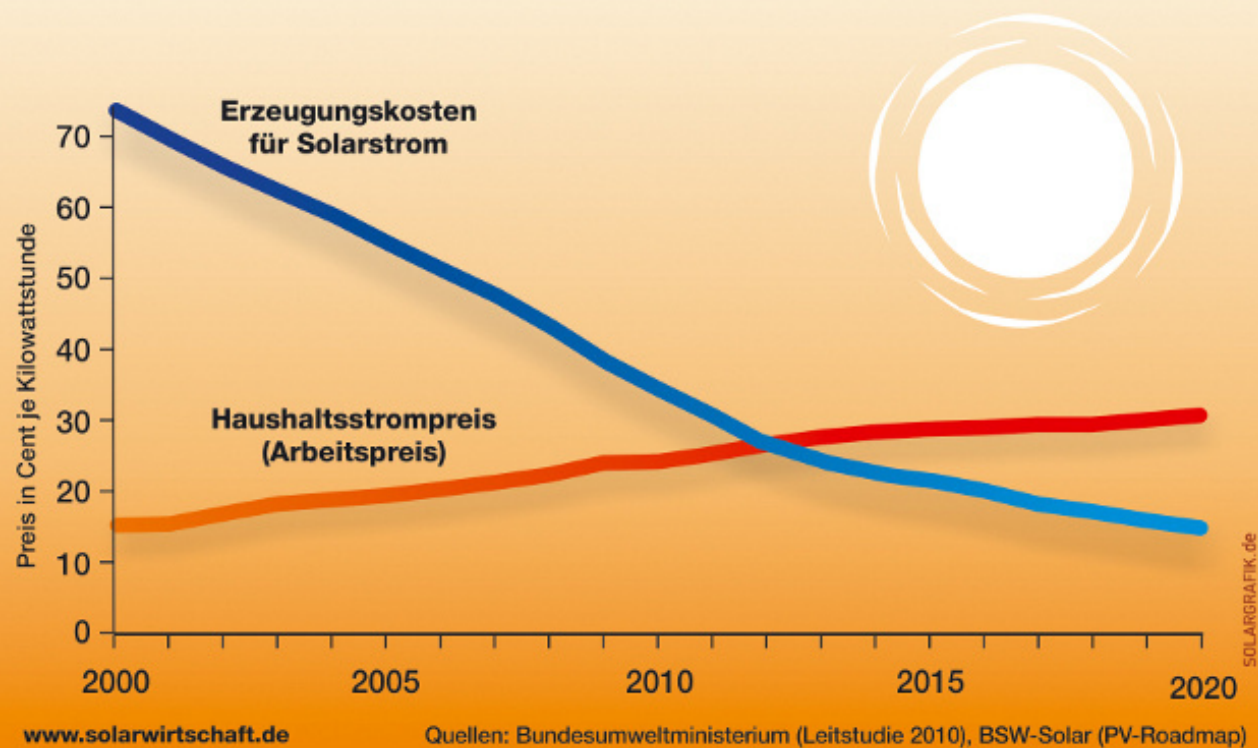


Kosten und Förderung von Solarstrom seit 2008 halbiert





Solarstrom 2013 günstiger als Haushaltsstrom



Erneuerbare Energien Schlüsselindustrien der Zukunft

EE brauchen Inlandsmarkt

Inlandsmärkte abhängig von politischer
Regulierung

