COP14, Poznan, Poland

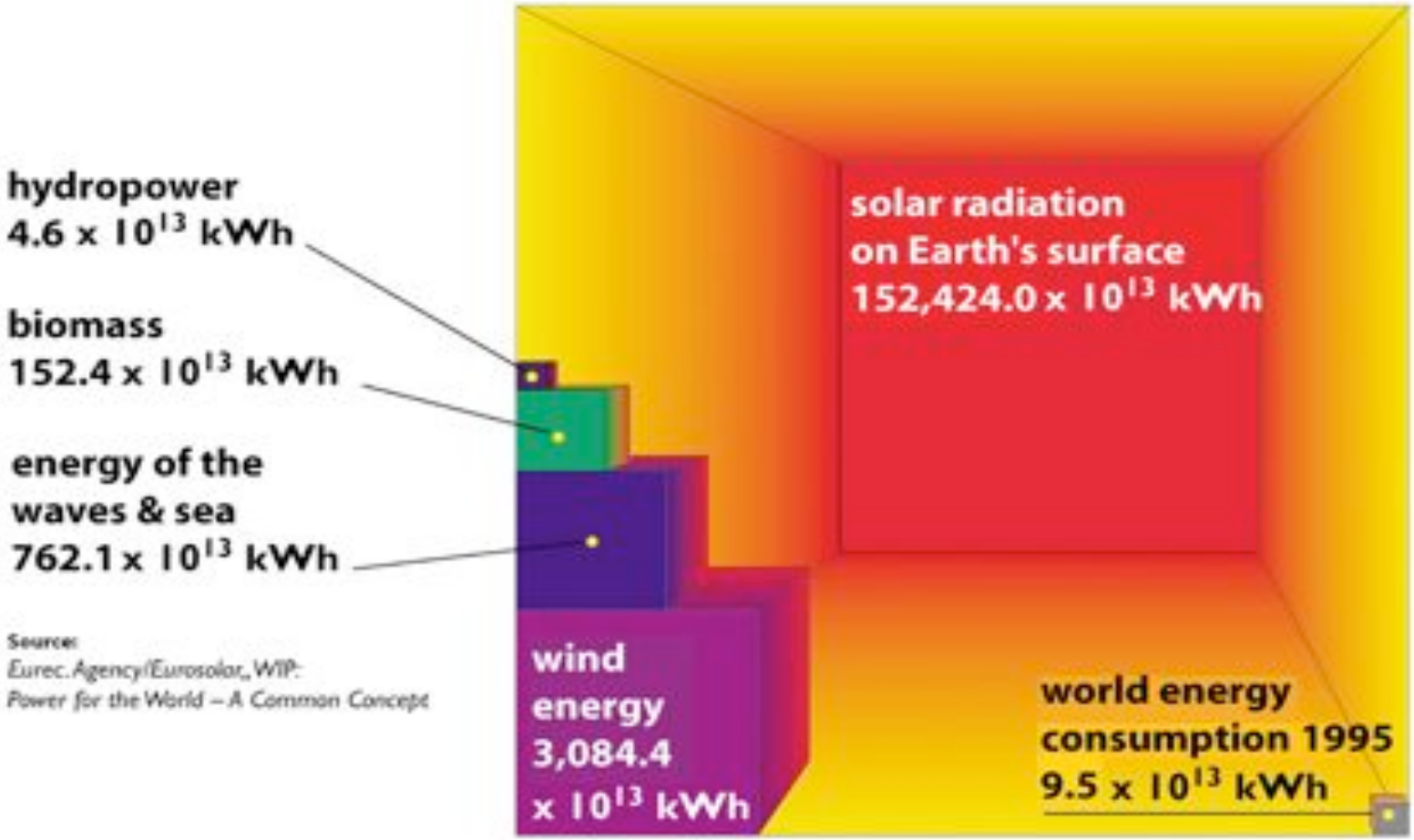
International Renewable Energy Alliance
Side Event

Financing the Renewable Energy Transition:

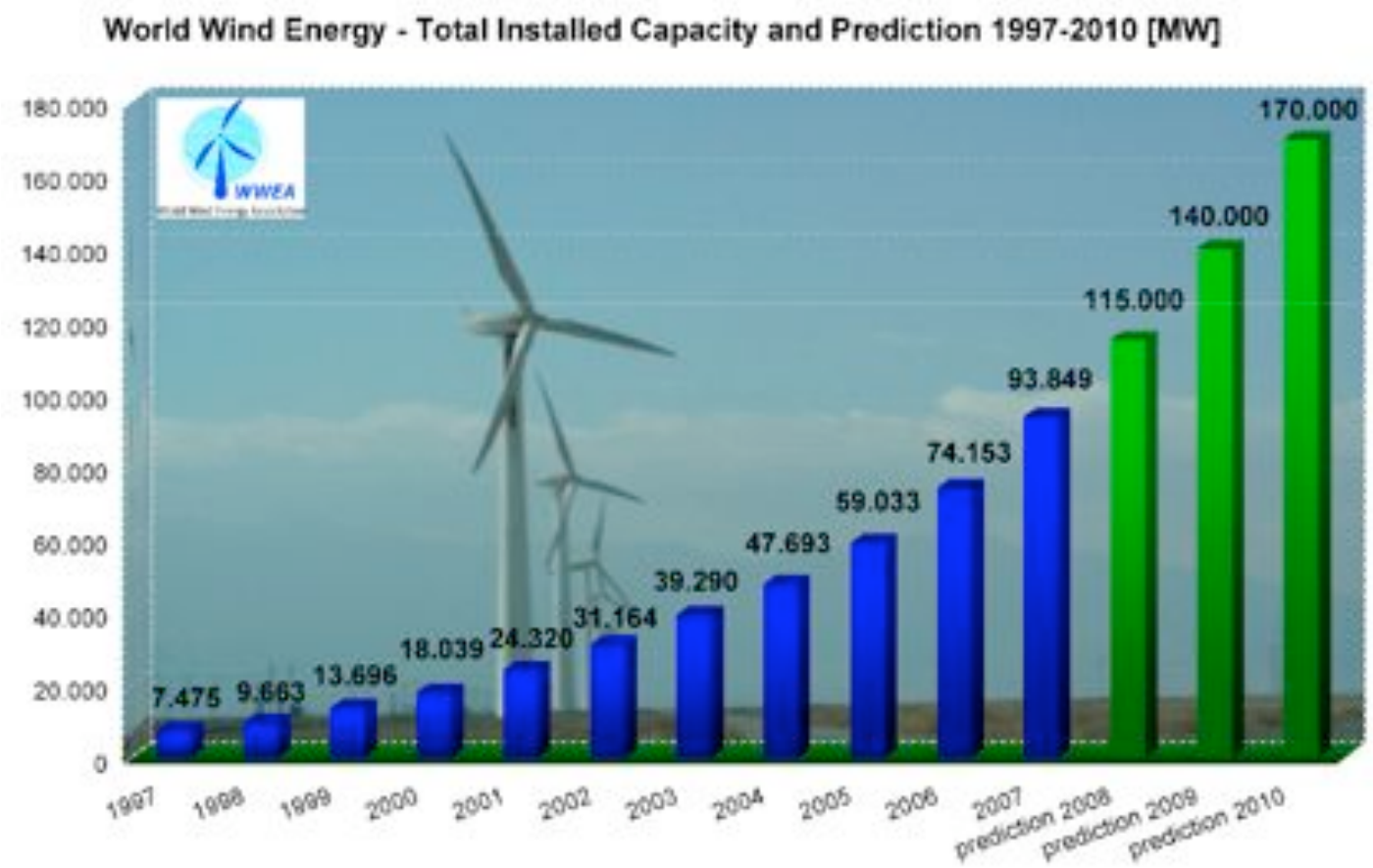
The Case of Wind

WWEA's members

Renewable Energy Potentials Worldwide



Wind power share in global electricity consumption 2007: ~1,5 %



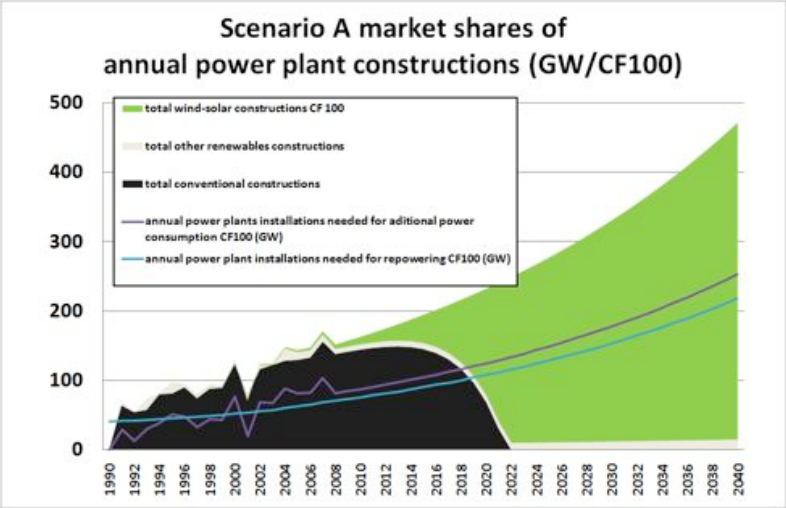
- 350.000 employees
- > 20 billion € turnover in 2007

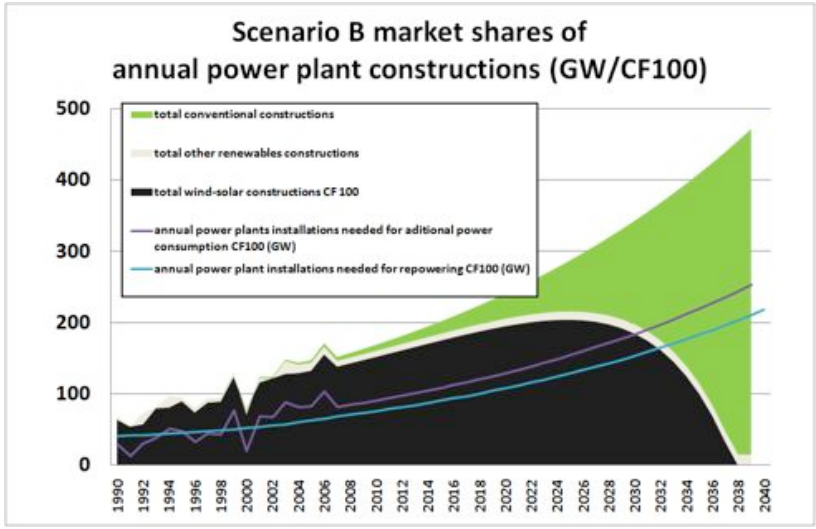
EWG/Rechsteiner: Wind Power – Green Revolution Scenarios

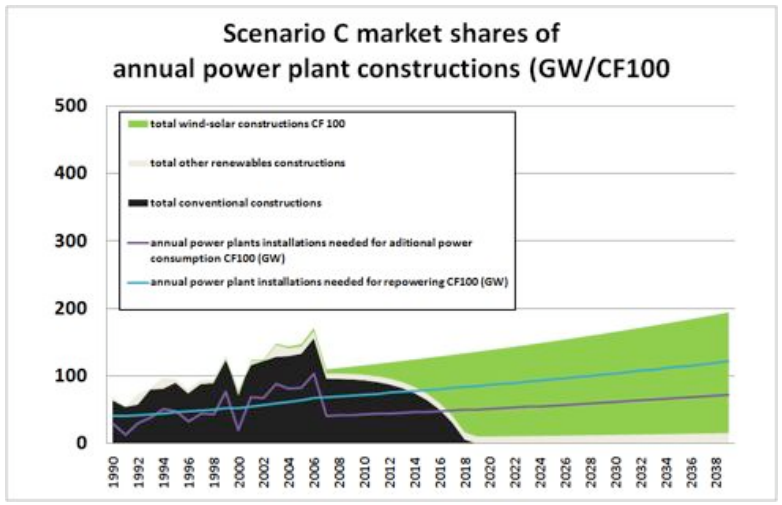
	Scenario A	Scenario B	Scenario C	Scenario D
world electricity generation growth rate 2007-2040	*3.6%*	*3.6%*	*1.8%*	*1.8%*
growth of annual additions of wind power	*30.4%*	*15.2%*	*30.4%*	*15.2%*
wind-solar power capacity in **2030** (GW) (CF25)	13,457	3,782	8,126	3,782
wind-solar power produced in **2030** (TWh)	29,471	8,283	17,796	8,283
other renewable [hydro, biomass, geothermal] power produced in **2030** (TWh)	5,120	5,120	5,120	5,120
non-renewable power produced in **2030** (TWh)	10,290	31,475	7,070	16,583
non-renewable power produced in **2040** (TWh)	0	23,780	0	6,714
peak year of non-renewable power generation TWh (and CO2-peak)	**2018**	**2032**	**2014**	**2022**
when will CO2-emissions for the first time be lowered compared to 1990 (Kyoto-benchmark)?	**2031**	**after 2040**	**2028**	**2038**

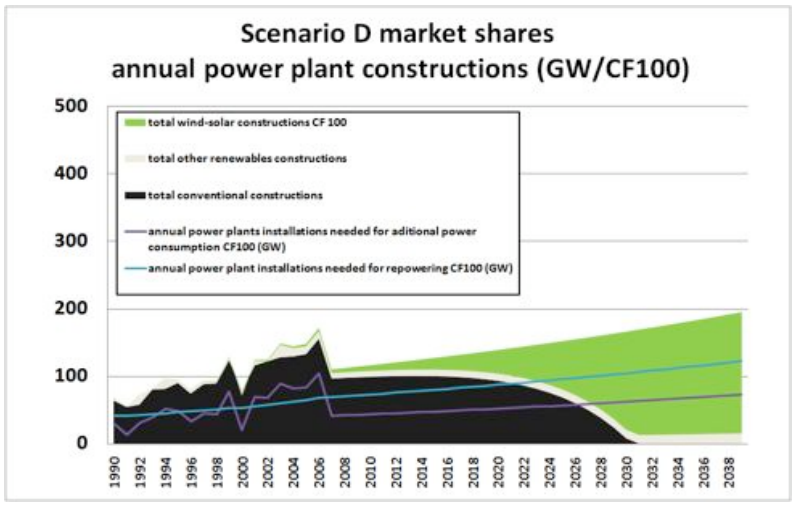
steady growth rates

EWG/Rechsteiner: Wind Power – Green Revolution Scenarios

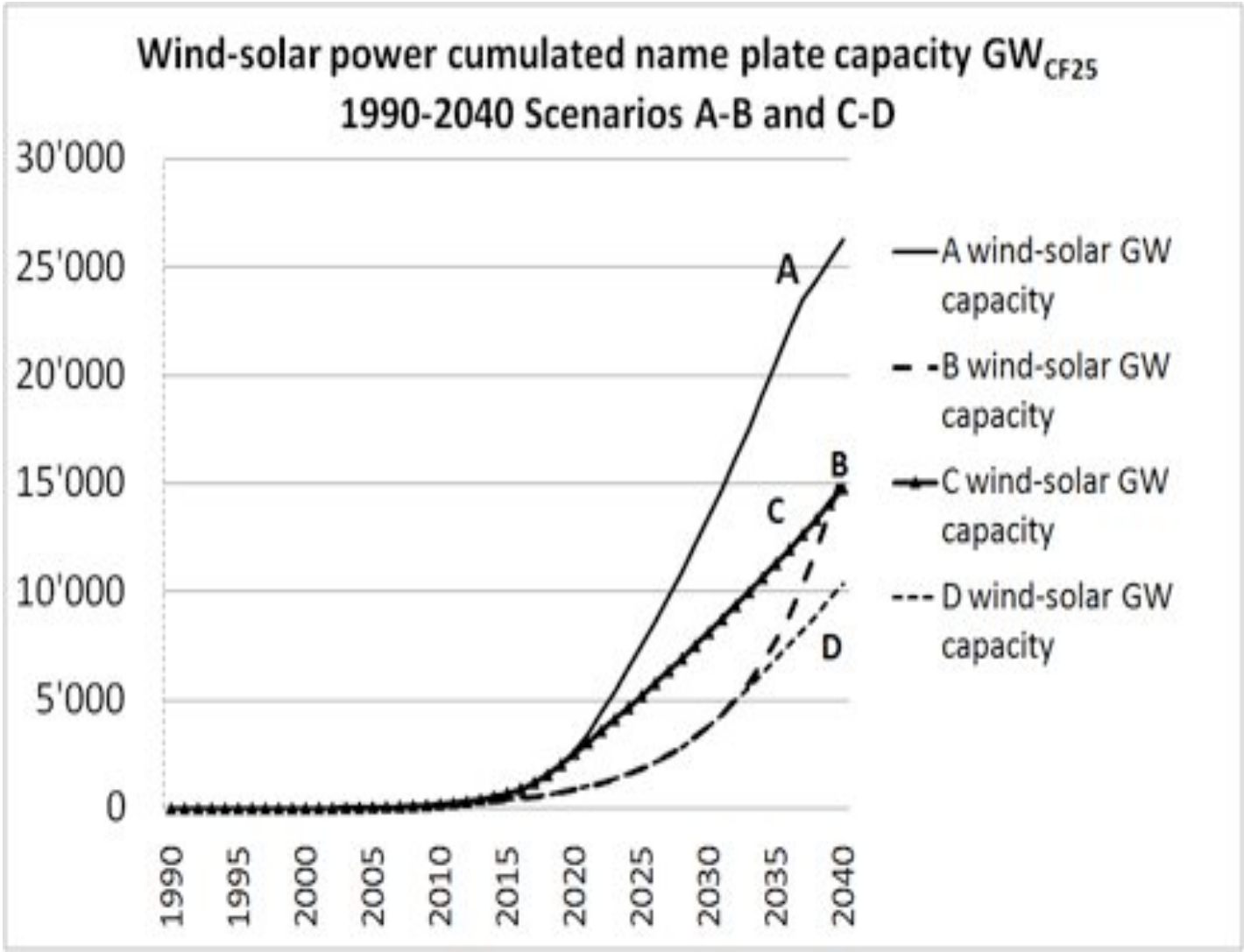






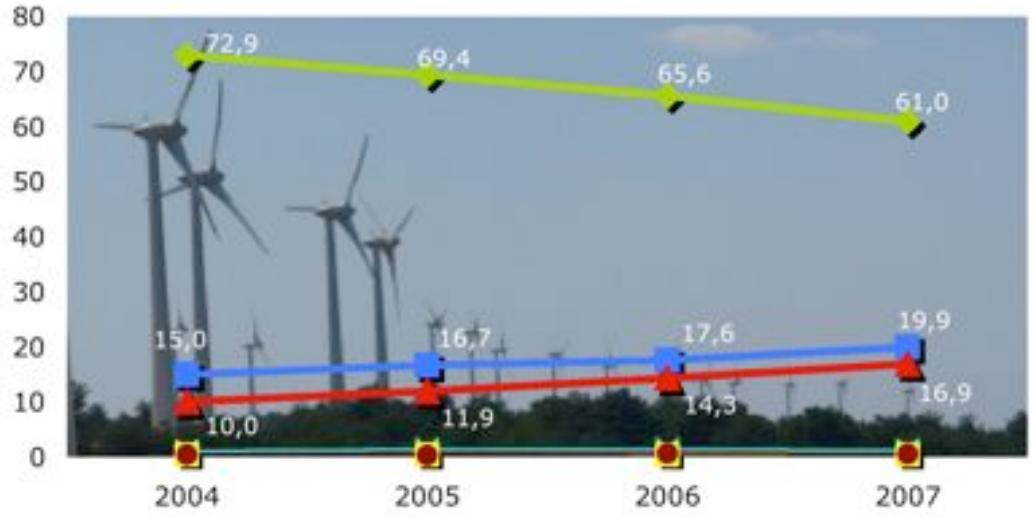


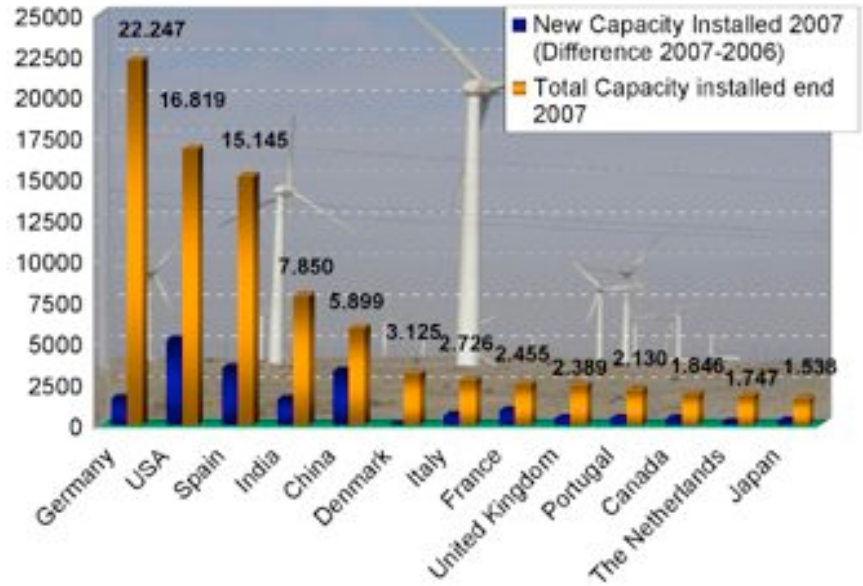
EWG/Rechsteiner: Wind Power – Green Revolution Scenarios



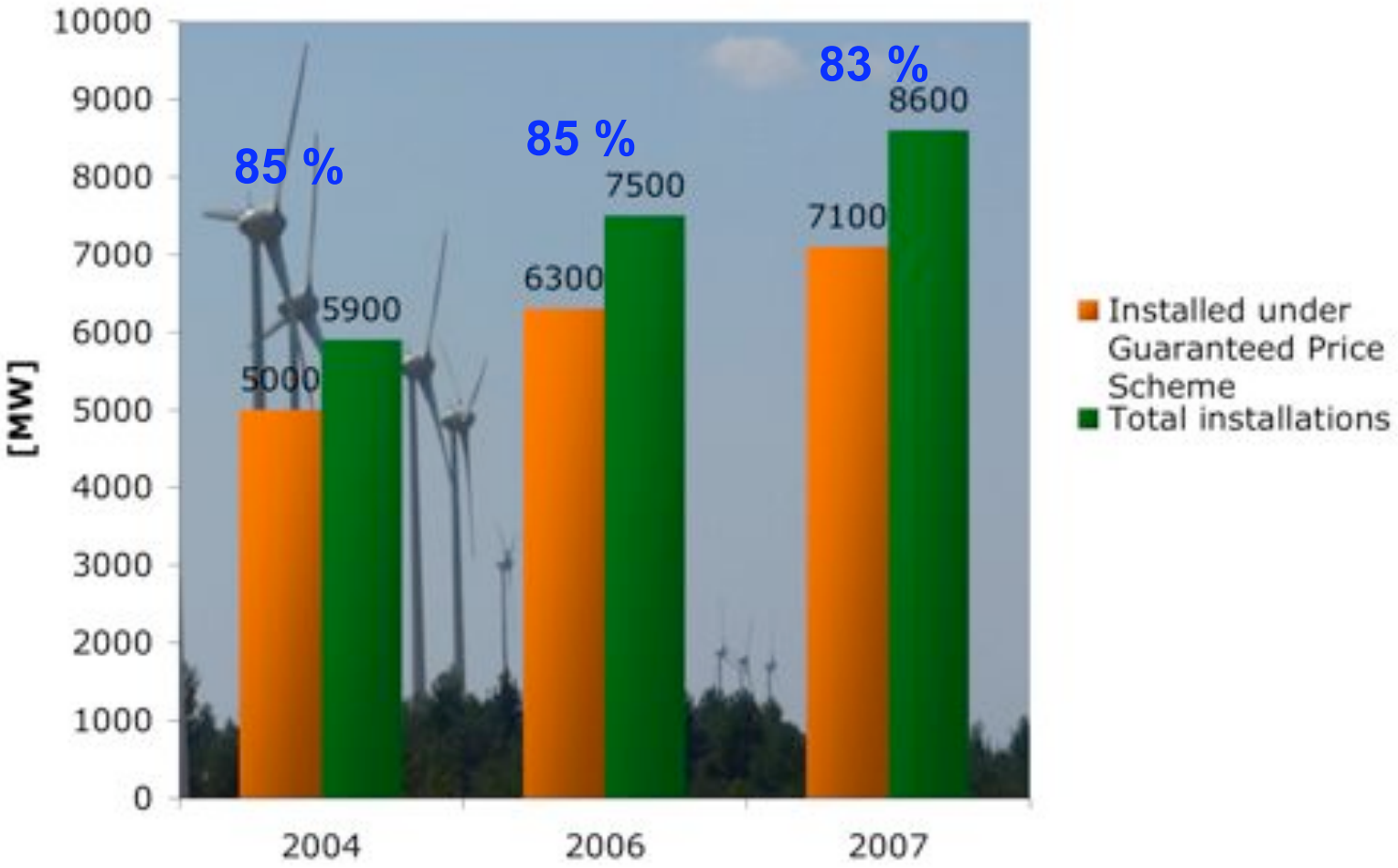
Wind energy today

Continental Shares in Total Capacity [%]





Effectiveness by policy tools in the EU



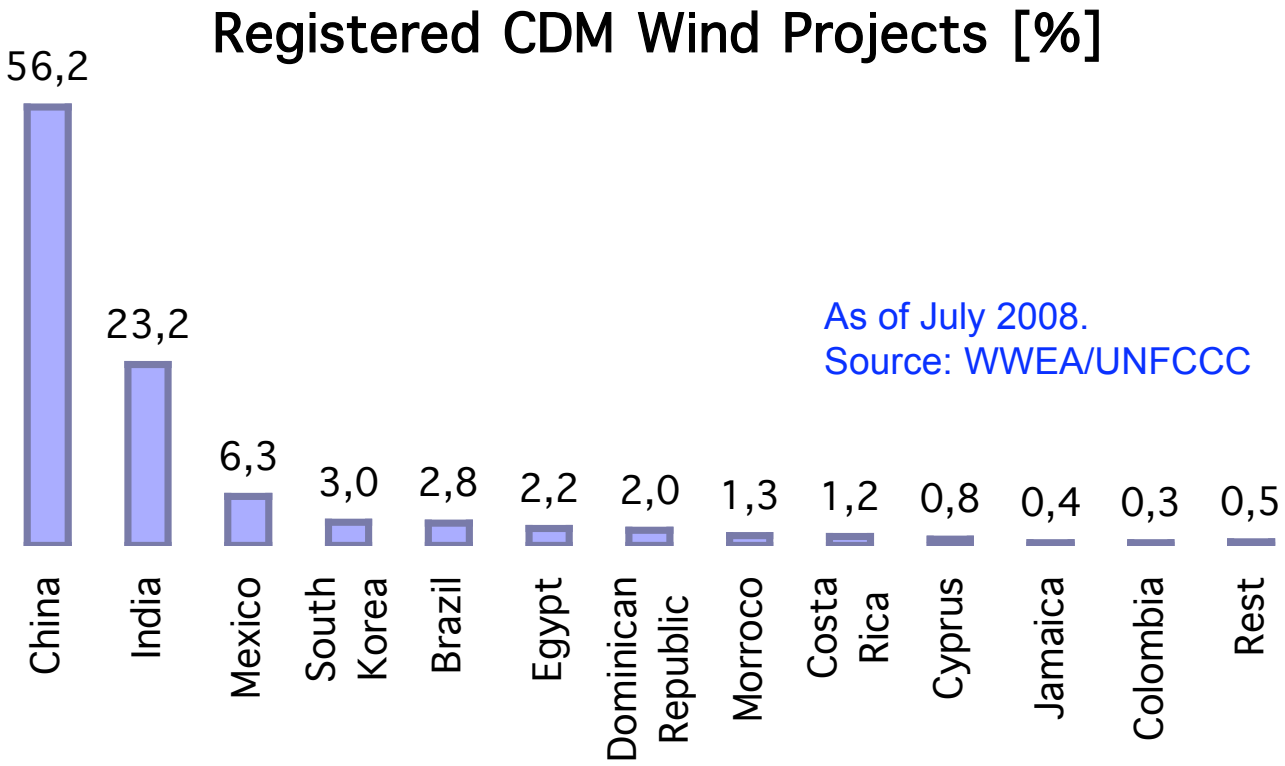
Successful policy principles

1. Close price gap and create **level-playing field**
2. Let local communities benefit directly of **de-central energy supply**
3. Provide sufficient **investment security** (high fixed-cost share of 80 %)
4. Provide an **efficient** promotion scheme
5. Provide **access** to market arena for newcomers, independent power producers, community based investment, administrative structures etc.

=> On national level feed-in tariffs!!!

CDM contributions today:

5580 MW registered wind energy projects



The challenges:

price gap, investment security, administrative hurdles, additionality, etc

Thank you very much for your attention!