

Is Factor 4 achievable ?

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New technology expensive

	YEAR	2007	2008	2009	2010
GERMANY	Installed base (MW)	3 849	5 649	8 149	12 149
	Subsidy budget (Millions €)	1 379	1 977	2 729	3 761
	Per home/year	42	60	83	114
	Solar penetration	0,5%	0,8%	1,1%	1,6%
SPAIN	Installed base (MW)	798	1 798	3 298	5 298
	Subsidy budget (Millions €)	295	837	1 455	2 235
	Per home/year	16	46	81	124
	Solar penetration	0,2%	0,6%	1,2%	2,0%

Existing mechanisms limited

- ETS : Plants of > 20 MW
Addresses 50% roughly of European CO2 volume
- Green/white certificates :
Narrowly targeted
Specific to each country
No long term visibility
- Subsidy, fiscal incentives :
Discretionary
No long term visibility

WORKING IN THE LONG TERM IS KEY

The need for a global approach

- INTERNALIZE CO2 cost in general Economy
- ETS-like system to be generalised to all asset based activities
MARKET more efficient than FISCAL with long term VISIBILITY
- For individuals : charge CO2 cost through direct or indirect fossile fuel consumption

... and a number of specific questions

- How to control deforestation
- How to control energy crops
- How to build the regulatory and legal framework to control the development of the sustainable city of tomorrow
- How to control the use of available water
- Which regulatory and legal framework for CO2 sequestration
- How to promote material recycling as the preferred option
- How to incentise efficient transportation : persons and goods

Timetable

