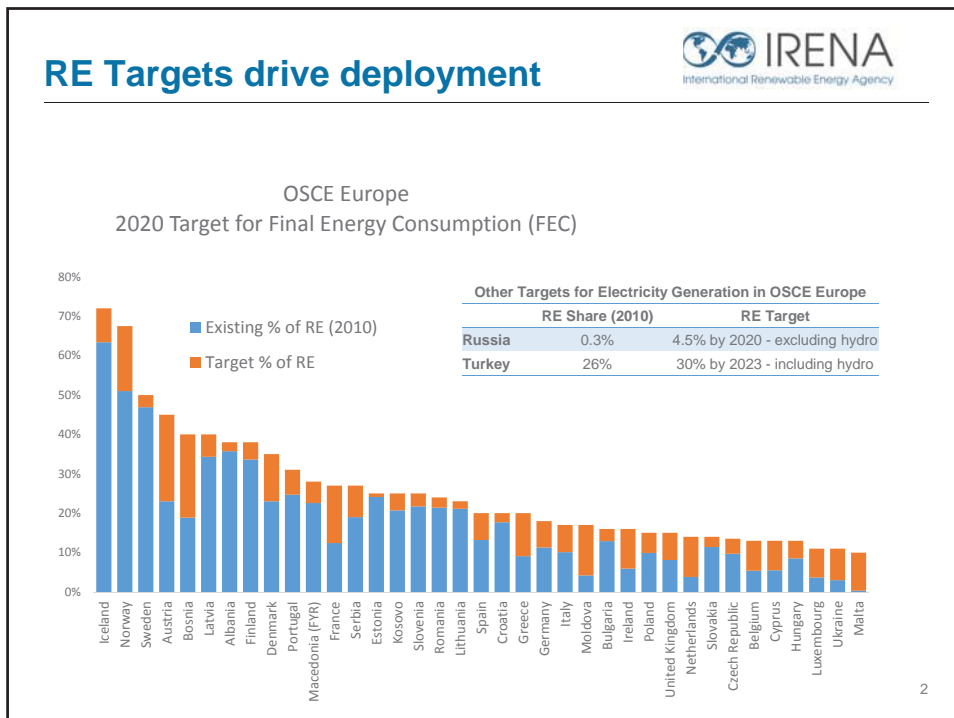


IRENA
International Renewable Energy Agency

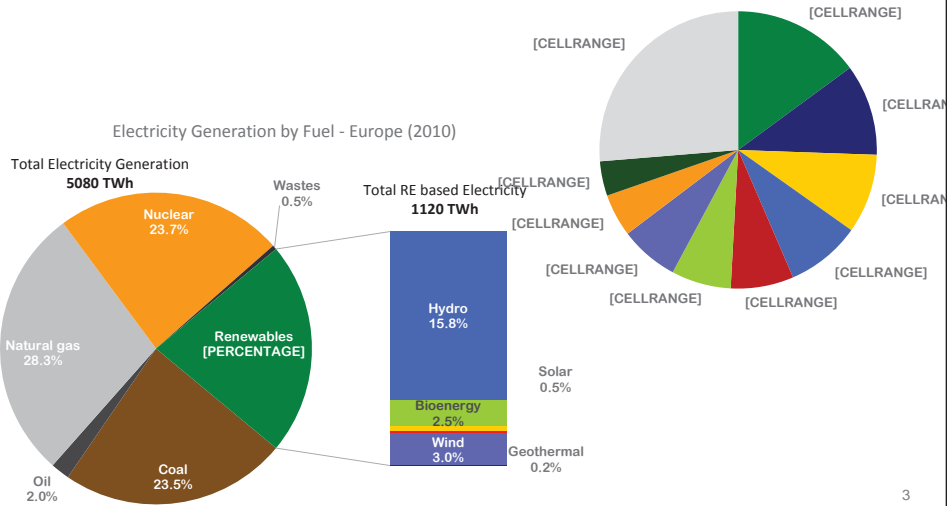
Status of new and renewable energy production in the OSCE area

21st OSCE Economic and Environmental Forum; April, 2013
 Hugo Lucas
 Director Knowledge, Policy and Finance Centre
 International Renewable Energy Agency (IRENA)



RE Generation in OSCE Europe

Electricity Generation from Renewables - Europe 2010
(% of RE in national electricity mix is in brackets)

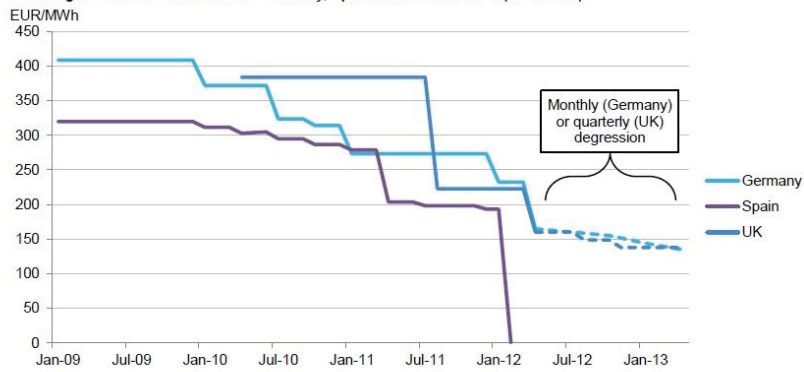


3

Reduction of Support in EU

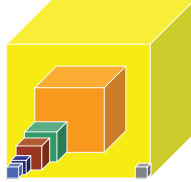
- Reduction in FIT support (e.g. Germany, Denmark etc.)
- Taxation of RE generation (e.g. Spain, Greece and Czech Republic)
- Move towards net-metering (e.g. Italy, France, UK etc.)

Degression of feed-in tariffs in Germany, Spain and the UK for PV (50–100kW)



Source: Bloomberg New Energy Finance.

How long will the world's oil reserves last ?



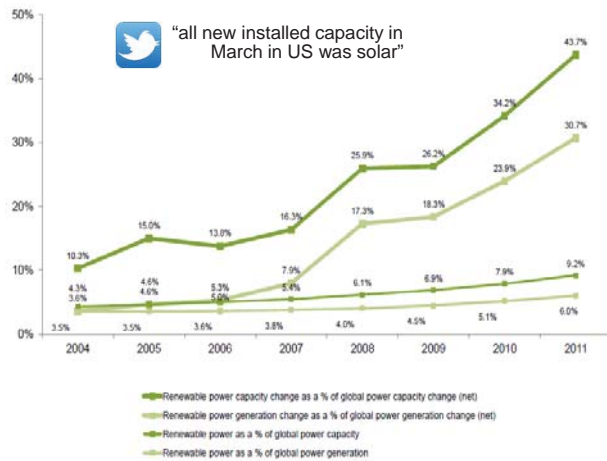
"The Stone Age didn't end for lack of stone, and the oil age will end long before the world runs out of oil."

How much will oil cost in 2020? Spain Easter Time

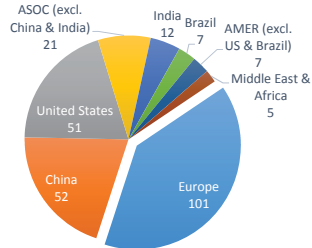
How old is your TV and your computer, car, your mobile?



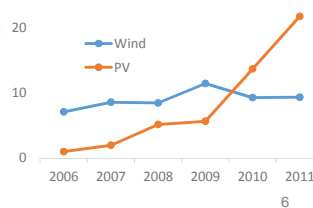
RE Electricity Projects in Europe



Global New Investment in RE by Region



Comparison of Wind and PV in Europe New Installed Capacity (GW)



Developments in Middle East

UAE

- SHAMS 1, 100 MW CSP
- 10 MW PV in Masdar City
- 1 GW PV in Dubai by 2030



	Announced Targets
Bahrain	5% of electricity capacity by 2020
Kuwait	10% of electricity capacity by 2020
Qatar	2% of electricity capacity by 2020
Saudi Arabia	54 GW of electricity by 2032
UAE	7% of electricity capacity in Abu Dhabi by 2020 5% of electricity capacity in Dubai by 2030

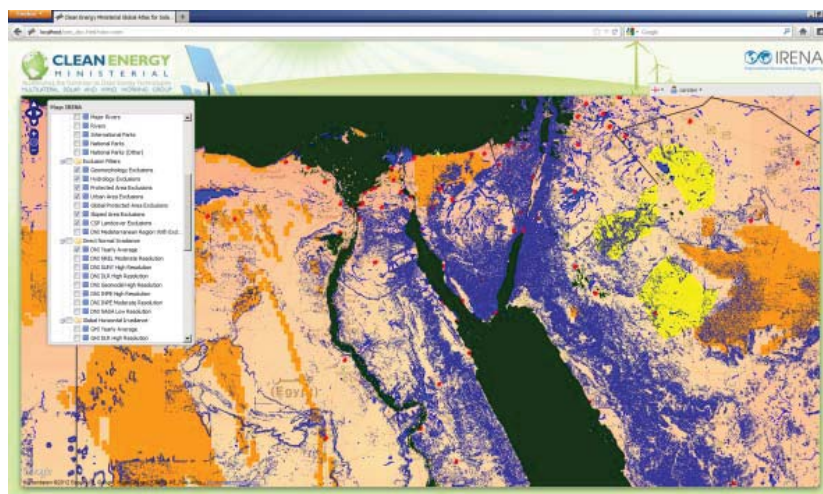
RE Targets in GCC

Auctions begin in 2013 in **Saudi Arabia** for 54 GW

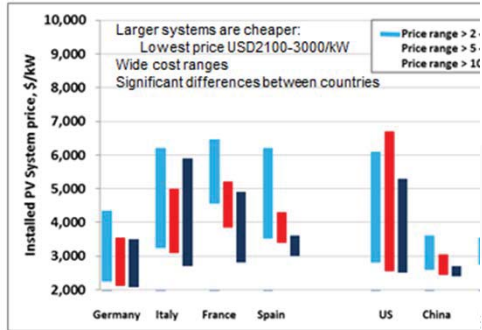


**54 GW
2032**

7



Residential installed PV system prices, first



Source: IRENA Study, 2011

SUMMARY FOR POLICY MAKERS: Renewable Power Generation Costs

November 2012



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Grid Integration of Renewables – Seminar for Experts with Engineering-Technical Tasks
This seminar will focus on the important aspects of grid integration of renewables into all voltage levels of the transmission and the distribution grid. It will detail the tools and methodologies.

Subject: All Renewables | Region: Europe | Country: Germany | City: Berlin | Course Language: English | Course Start Date: 11 Mar 2013 | Course Type: Professional Development | Course Duration: 10 Days | Course Delivery: Face to Face | Qualification Awarded: Certificate | Registration Deadline: 10 Jan 2013 | Institution: Renewable Academy (IRENA) | Course Link

15 Views

Thank you

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