



CNREC in an international perspective

国家可再生能源中心

China National Renewable Energy Centre

Global focus
on Renewable
Energy

for good
reasons!



Climate Change mitigation



Security of supply



Sustainable economic growth and job creation

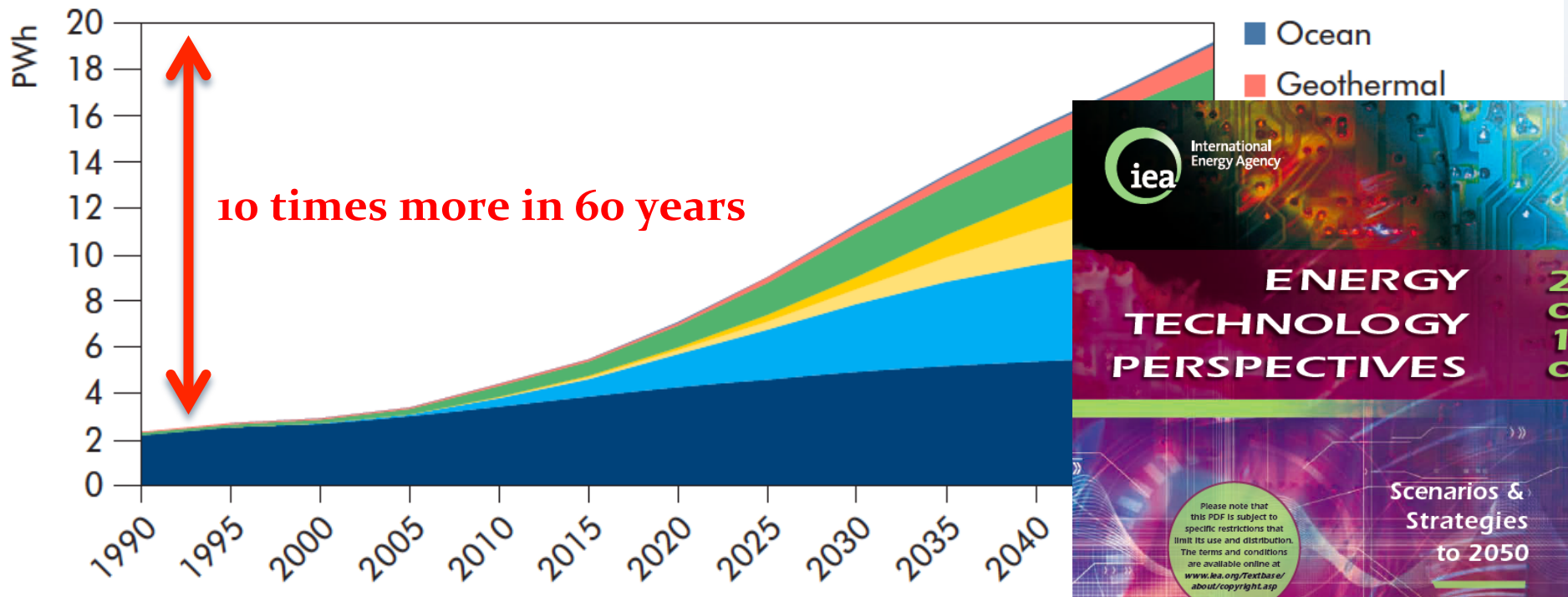


High expectations to RE development



Growth of RE Power generation

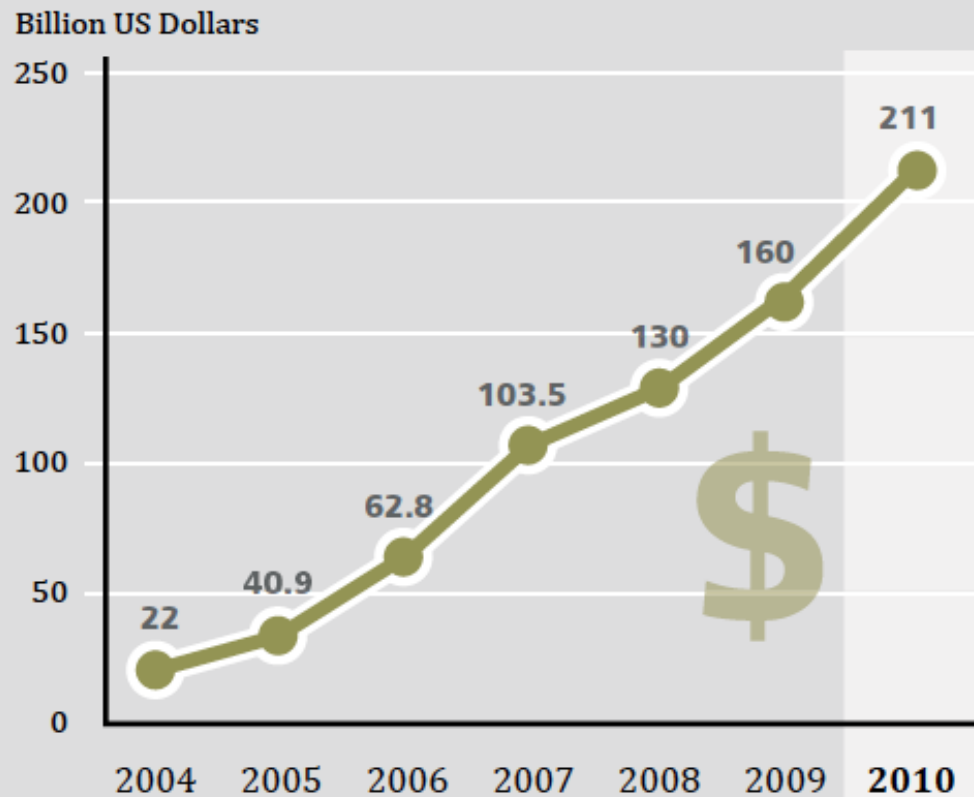
Figure 3.7 ► Growth of renewable power generation in the BLUE Map scenario



IEA Energy Technology Perspectives 2010

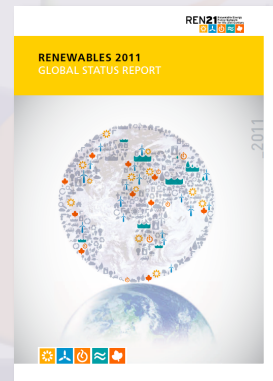
Rapid growth in global RE investments

Figure 12. Global New Investment in Renewable Energy, 2004–2010

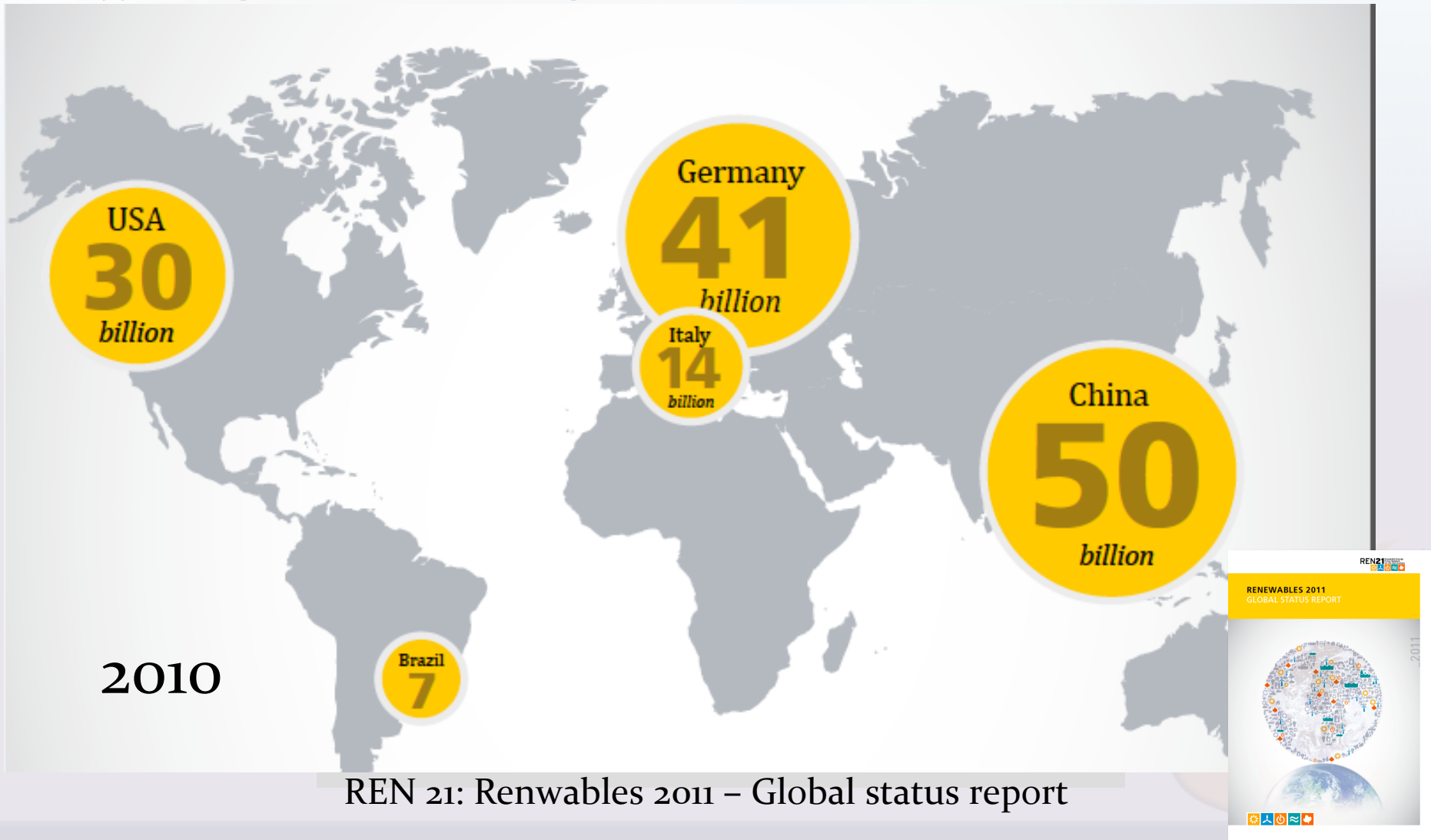


2010

REN 21: Renewables 2011 – Global status report



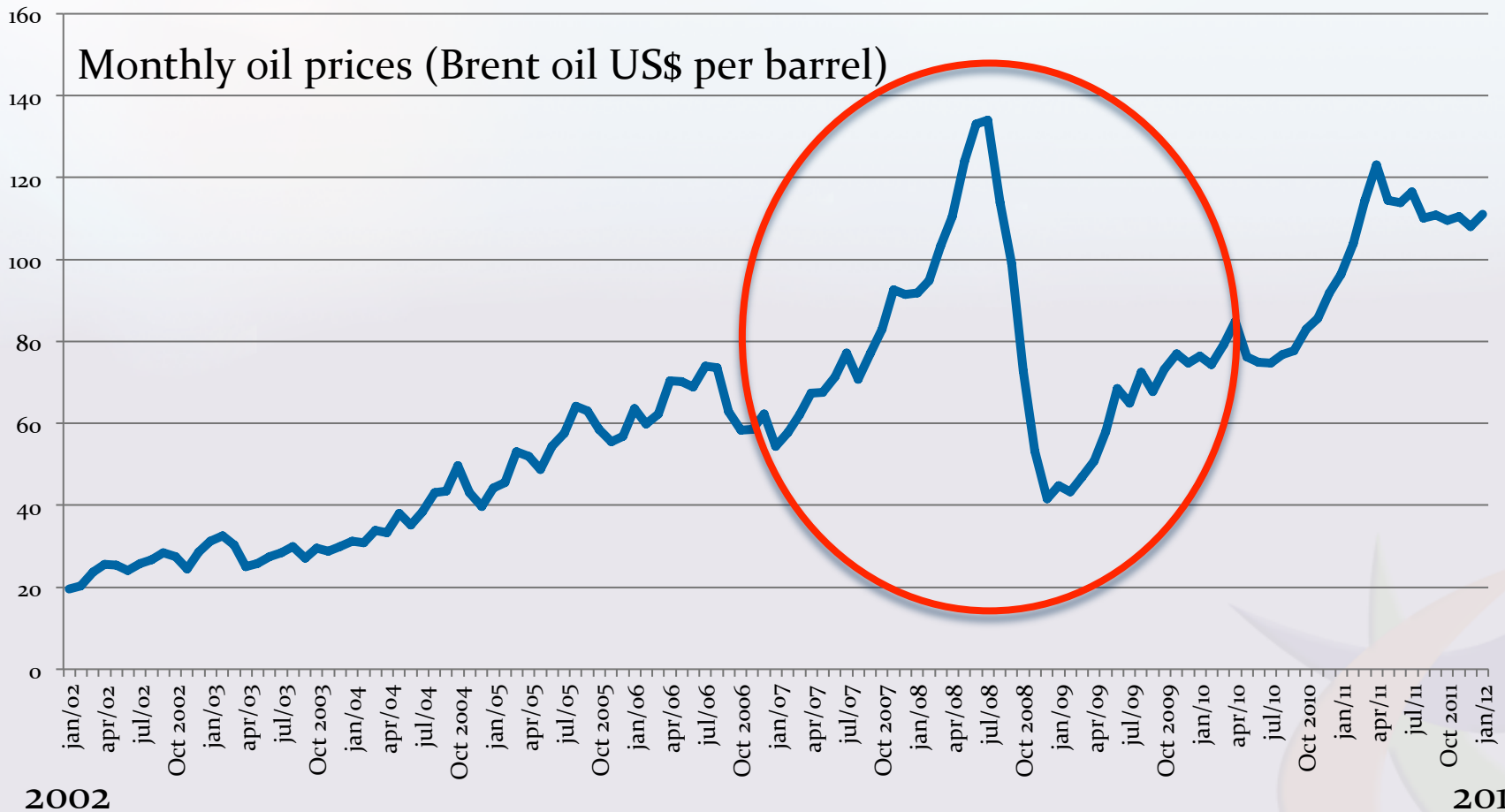
Rapid growth in global RE investments



But also huge challenges



Unhealthy peaks and valleys in fossil fuel prices makes long term investment decisions difficult



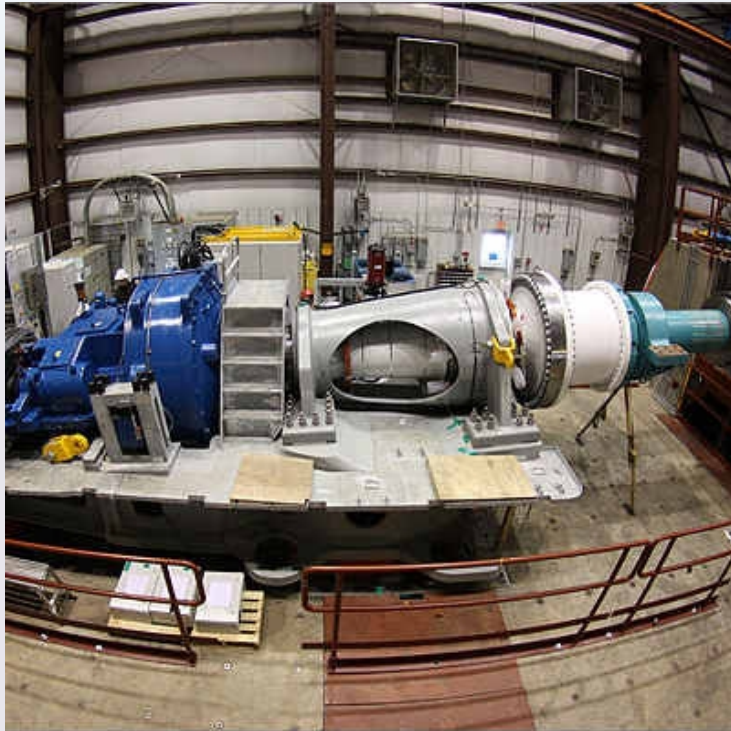
Subsidies to fossil fuels



No or low price on pollution




Need for cost reduction and technology development



Unfriendly energy systems

- Fluctuating renewable energy difficult to integrate
- Existing plants and old technologies are favoured
- Lack of transmission capacity
- Big players on the energy market want to stay in control



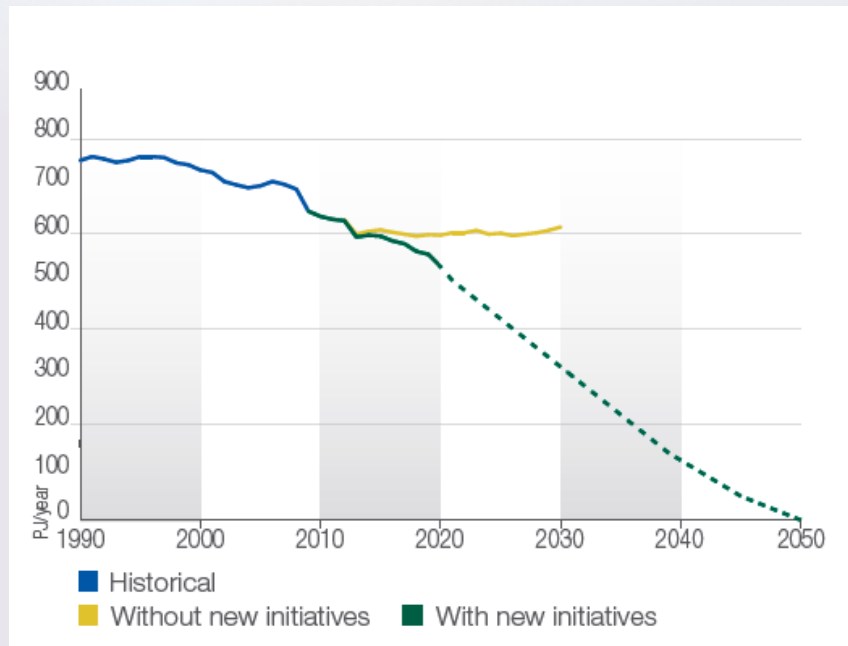


The big question:
How to overcome the challenges
and harvest the benefits for
renewable energy?

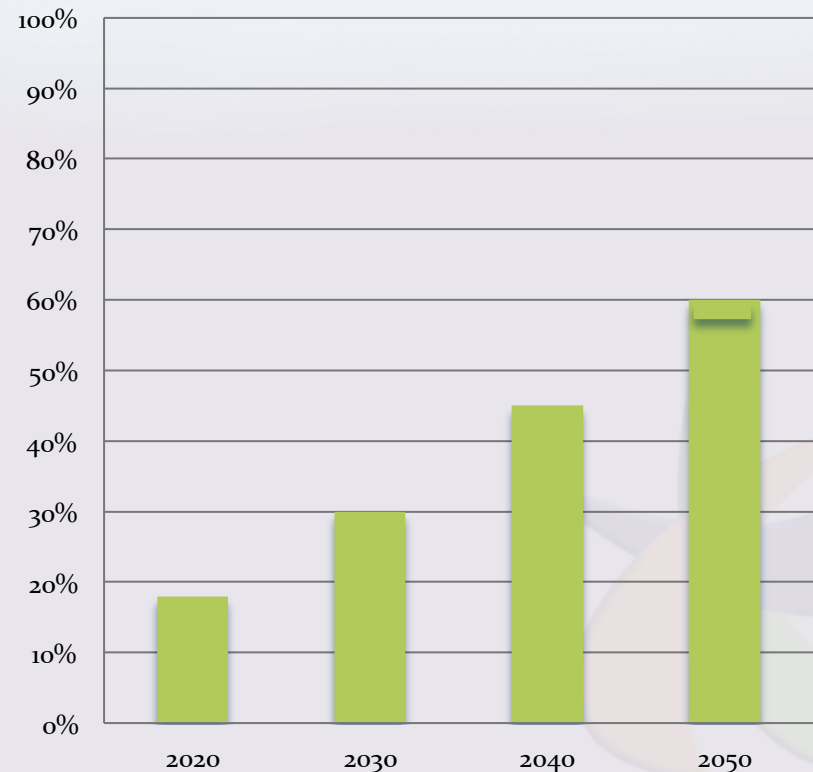


Ambitious targets necessary

Reducing the use of fossil fuels in Denmark to zero in 2050

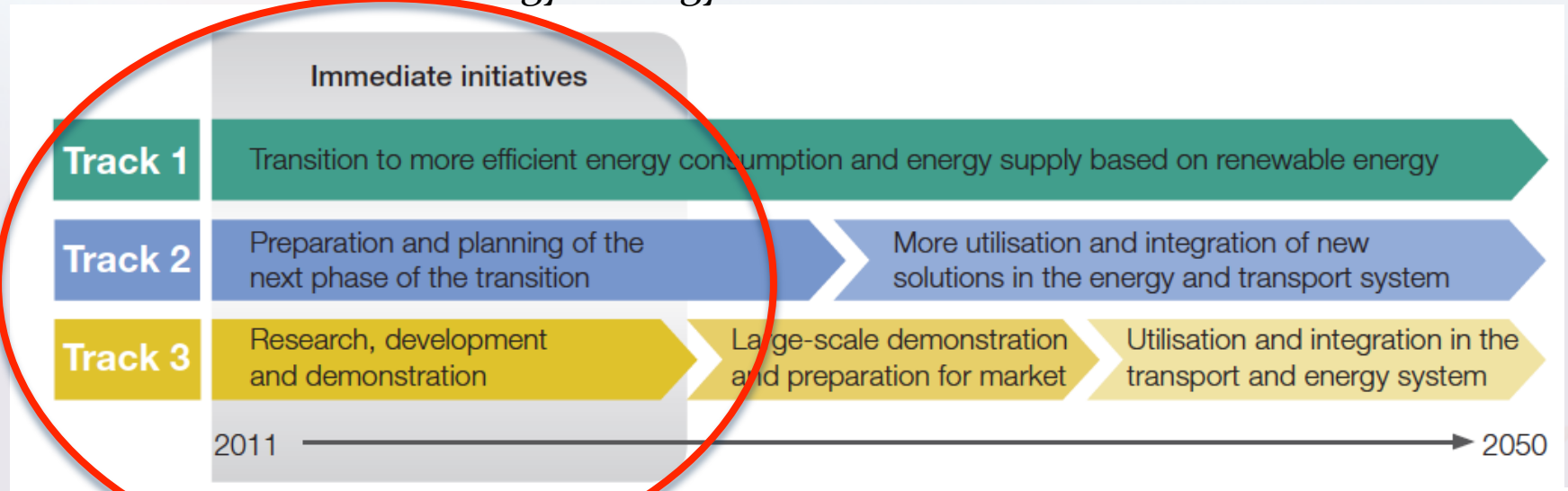


Share of renewables in Germany energy consumption



Well defined next steps

The Danish Energy strategy



ENERGY STRATEGY 2050
– from coal, oil and gas to green energy



Innovative solutions on removing barriers

- Promoting **regulation** and efficient **support** schemes
- Making the necessary **institutional** changes
- Involving **stakeholders**



FIT



RPS



Transparent information on progress, benefits and challenges



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E-mail notification

Leave your e-mail address here if you wish to be informed of the publication of a new barometer

Solid biomass barometer

+ 8 % The growth of primary energy production from solid biomass in the EU between 2009 and 2010

[Download](#)

EurObserv'ER

Make your own request of indicators



Interactive EurObserv'ER Database

A new tool is available on line to consult data from the E users to set their own query parameters themselves by political), a year and a geographic zone (a country or a displayed on maps of Europe that also provide information Barometers published since 2001. The system can also or spreadsheet format file. The EurObserv'ER Barometer

Project objectives

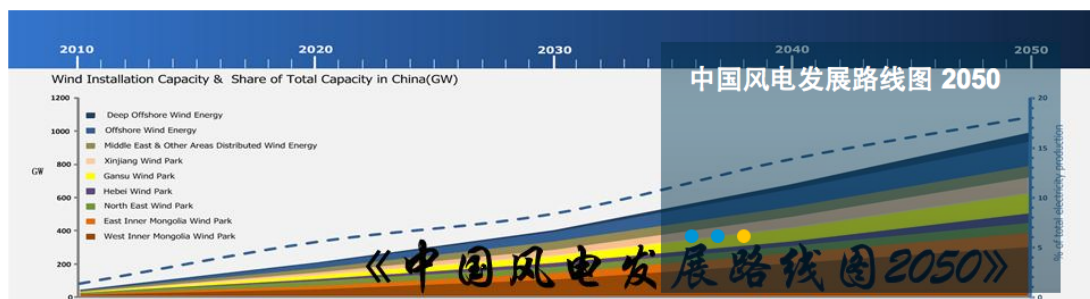
Since 1998, The EurObserv'ER barometer measures the progress made by renewable energies in each member State of the Europe Union in an as up-to-date way as possible (with figures less than 12 months old). EurObserv'ER produces a series of figure-backed indicators to



国家可再生能源中心

CHINA NATIONAL RENEWABLE ENERGY CENTRE

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中心动态

国家可再生能源中心介绍

国家可再生能源中心是协助国务院能源主管部门进行可再生能源政策...

国家可再生能源中心成立

根据国家可再生能源发展需要，我局依托国家发改委能源研究所设立了国...

国家可再生能源中心咨询委员会筹备会...

研究成果

中国风电发展路线图 2050

本路线图中国风电发展目标是：到2020、2030和2050年，风电装机容量将分别达到2亿、4亿和10亿...

中国沼气产业发展研究

该报告是中丹可再生能源发展项目中生物质能发展战略研究的重要组成部分，由轻工业环境保护研究所承担完成。

2011年9月能源局高层访问欧洲三国有关报告

活动

国家可再生能源中心成立仪式暨研...

现定于2012年2月23日上午在北京举办国家可再生能源中心成立仪式，介绍国家...

中英海上风电研讨暨培训

会议分为研讨会和培训两部分内容。第一天上午为研讨会，主要交流中英海上风...

国家可再生能源中心2012年工作计...

Clean Energy Info Portal - reegle

Country energy profiles including key statistics, policies and actors

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data portal

is available for re-use in formats. Website find further info here.

Top priority to Research, Development and Demonstration



RE centres play an important role



International key institutions with RE expertise



CNREC wants to

Learn
from the
best

Cooperate
with the
best

Become
one of the
best

International RE centres and RE think tanks

On policy strategy analysis, scenario analysis, information creation
technology development, management of key demonstration projects



谢谢

Kaare Sandholt, Chief Expert
国家可再生能源中心
China National Renewable Energy Centre