



The Urgency for Climate Action

Event on the 2030 climate and energy policy framework

European Parliament, Brussels, 16 October 2013

Wendel Trio

Overview

- Why we need to take action
- Why – 95% greenhouse gas emissions by 2050
- Why 3 targets
- Why – 55% greenhouse gas emissions by 2030
- EU is not alone!



Why we need to take action

- IPCC 5th Assessment Report: heading **towards 3-5°C**
- Climate change and carbon-intensive economy responsible for **5 million deaths/year**
- Already global cost of **1.6% of GDP a year**, going up to 3.2% in 2030
- Estimated costs of **€100 billion/yr** in 2020 for EU

Why – 95% by 2050

- EU: <2°C since 1996
- IPCC: -25% to -40% (2020) & -80 to -95% (2050)
- EU needs -95% by 2050:
 - Precautionary principle (IPCC)
 - Not achieving 25-40% by 2020 (UNEP)
 - Promised to consider 1.5°C (UNFCCC)

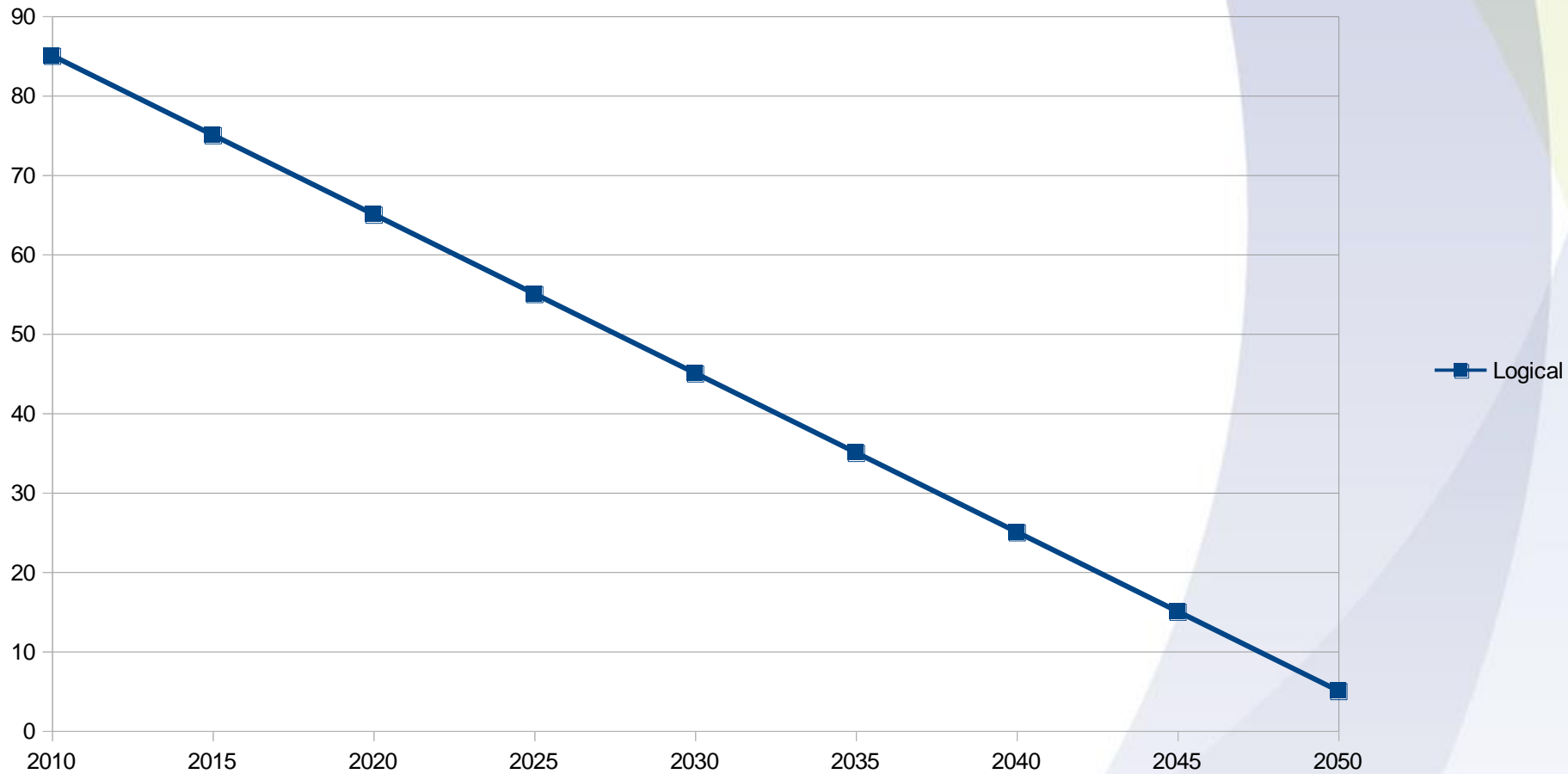
Why – 95% requires 3 targets

- Long-term trajectory means we need to make the right choices and push for full potential
 - Demand reduction (at least -40% by 2030)
 - Renewable energy (at least 45% by 2030)
- Not by carbon price alone, need regulation
- Need targets to steer massive investments in production capacity and grids

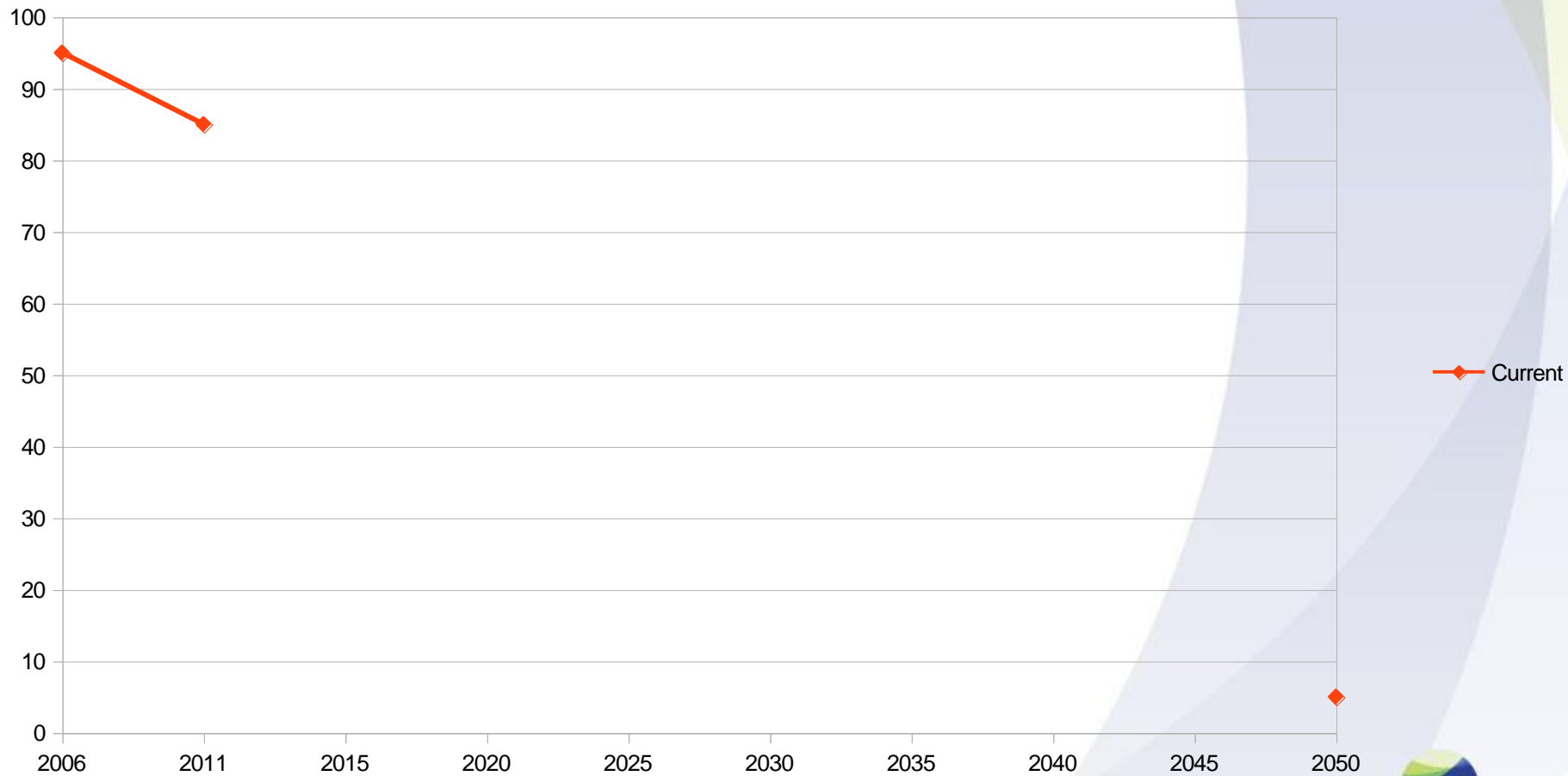
Why – 55% by 2030

- **Logical** pathway from 15% to 95%
- **Realistic** pathway based on current -2%/yr
- **Possible** based on multitude of studies

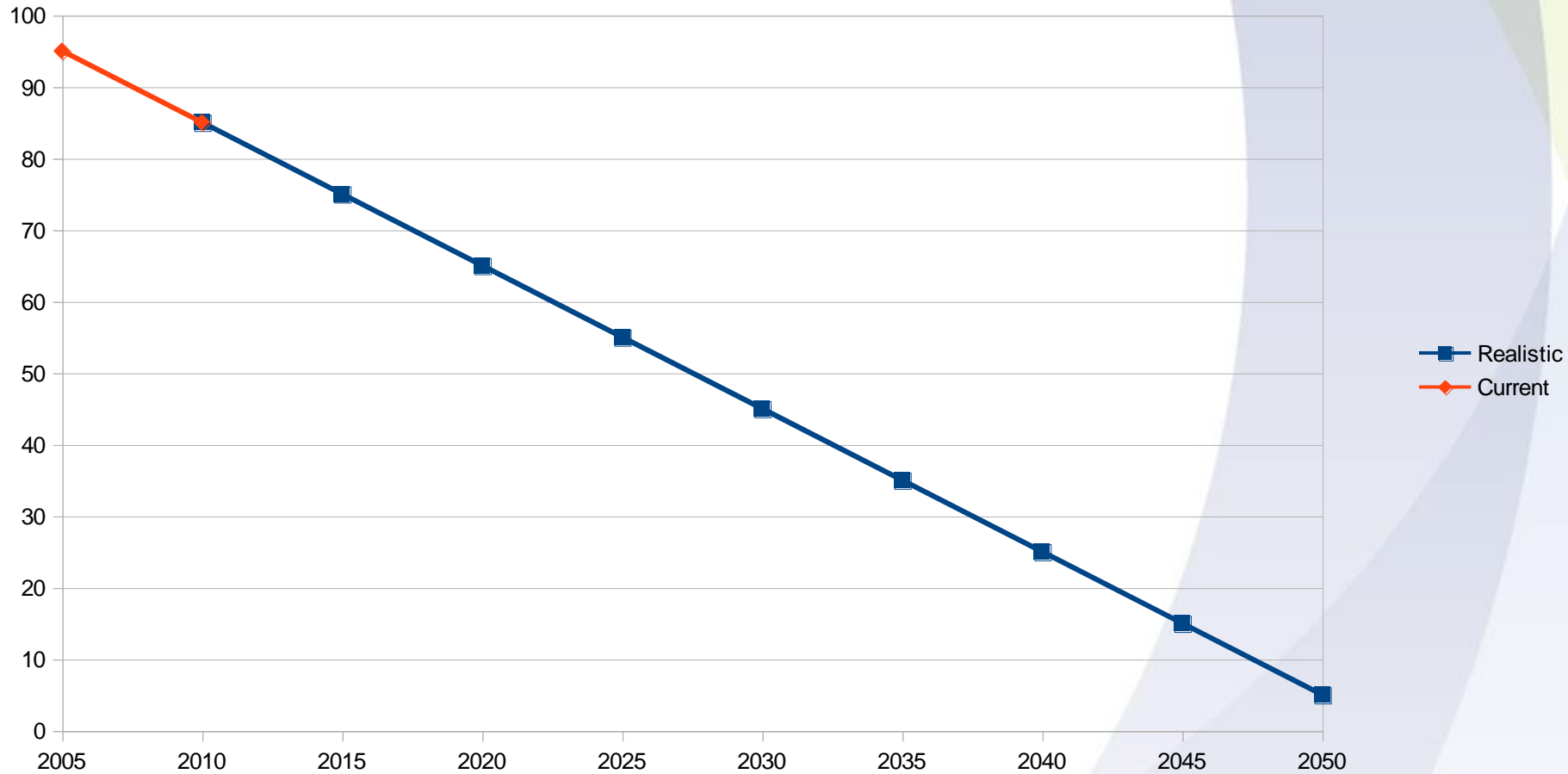
Logical pathway



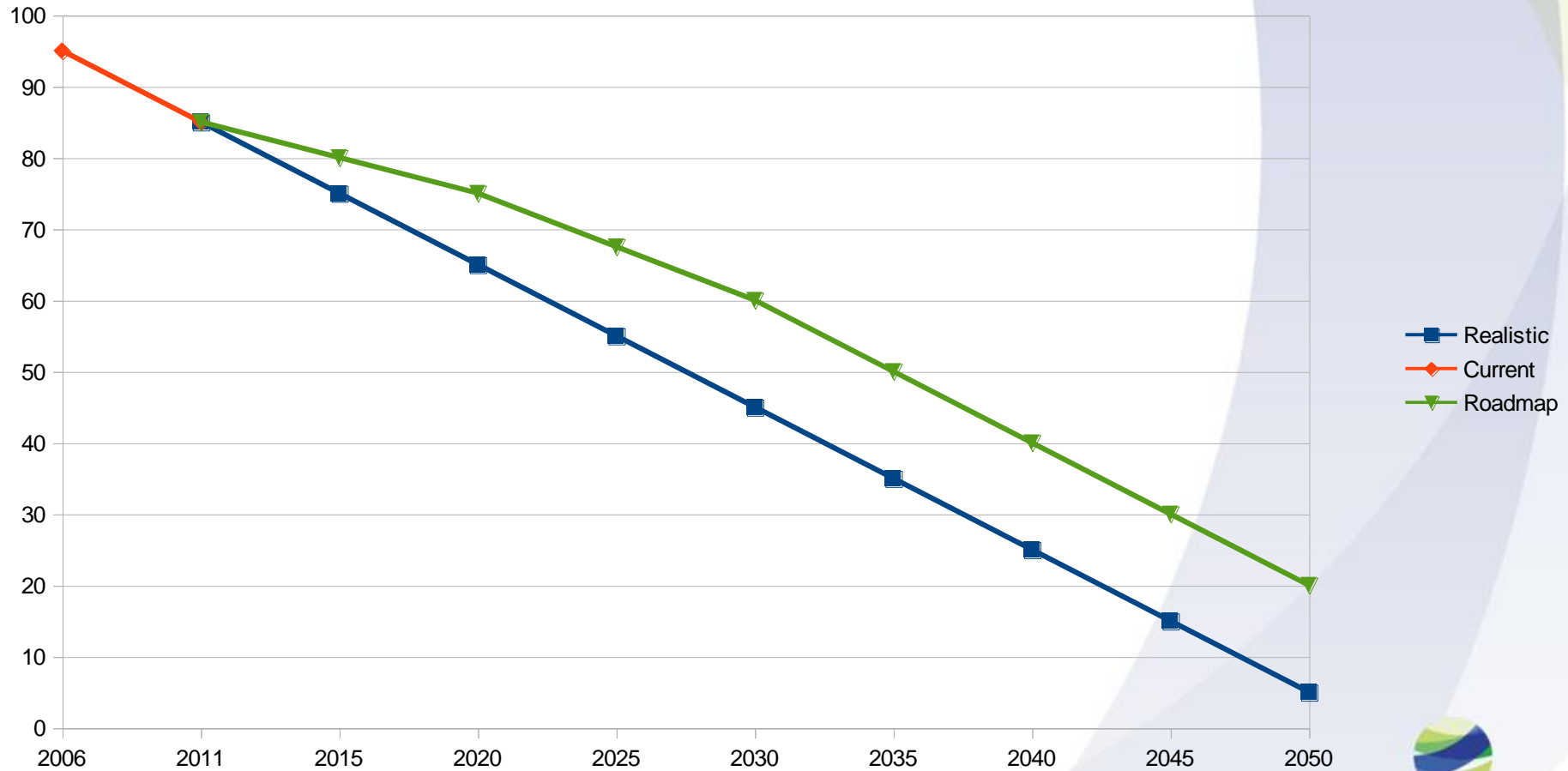
Current pathway



Realistic pathway



Realistic vs EC 2050 Roadmap pathway



More energy savings is possible



Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety



Policy Report

Contribution of Energy Efficiency Measures to Climate
Protection within the European Union until 2050



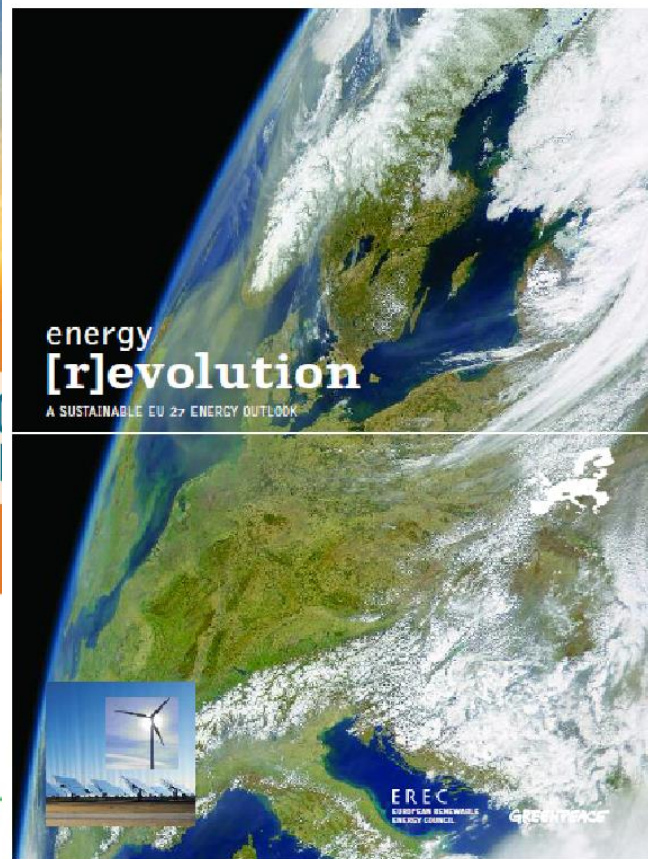
- Energy savings potential up to 50% by 2030 – final consumption below 750 Mtoe

More renewables is possible

WWF
REPORT
EU
2013

Re-energising Europe

PUTTING THE EU ON
100% RENEWABLES



report: 2012 EU 27 energy scenario

- Renewable production well above 375 Mtoe

More emissions reductions is possible



The Vision Scenario for the European Union 2011 Update for the EU-27

Project sponsored by
Greens/EFA Group in the European Parliament

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Berlin, January 2011

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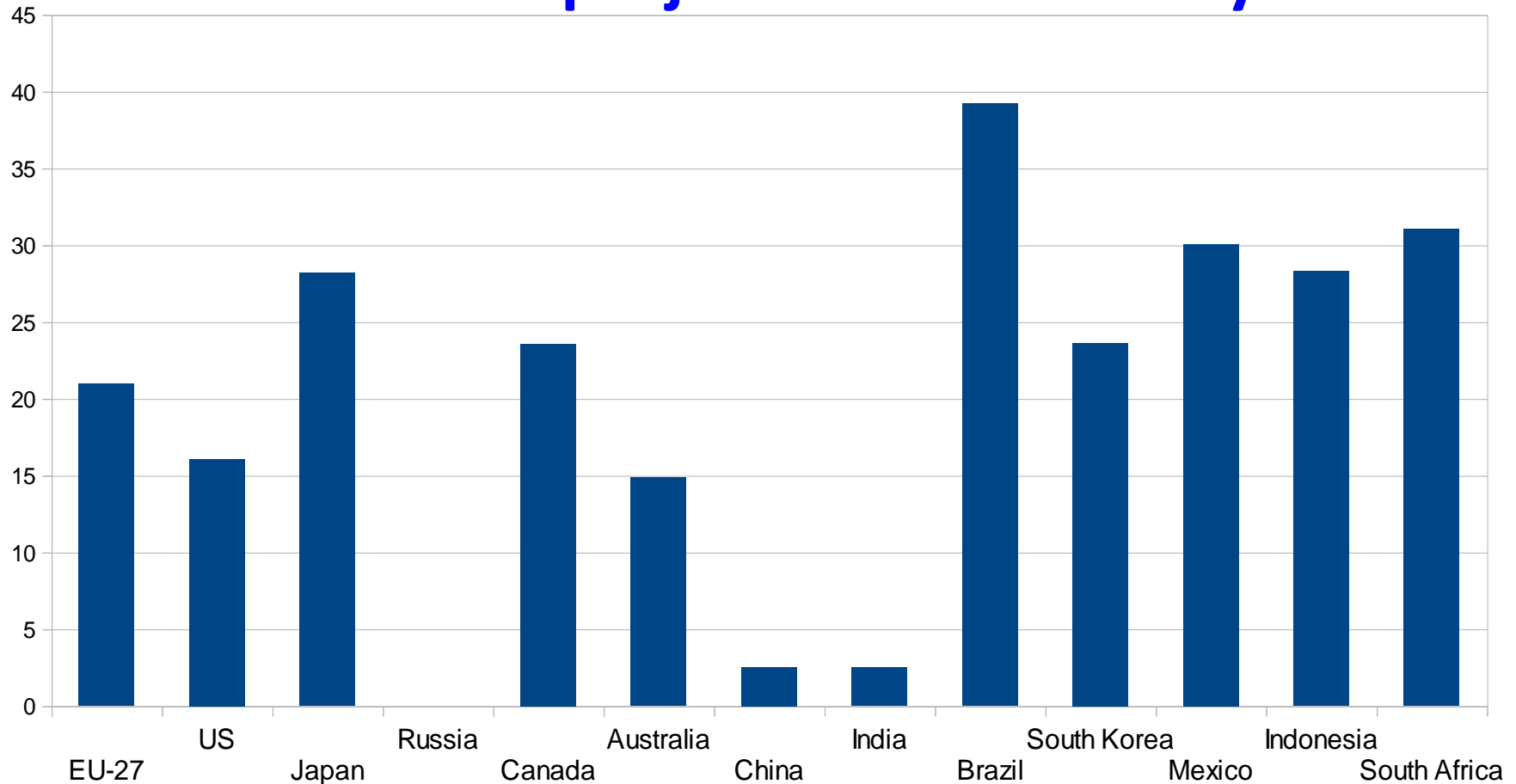
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- More than -55% for all sectors is possible

Europe is not alone!!!

% reduction of projected emissions by 2020





Thank you for your attention!

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