



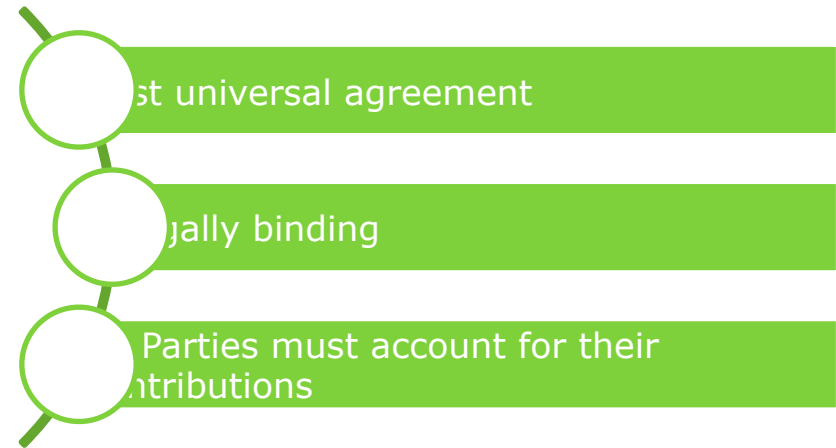
Recent developments in EU approach and policies on transition to low emission and climate-resilient economies and perspectives

Niels Schuster
Directorate-General for Climate Action

Paris Agreement

152 ratifications ~ 85% emissions

Paris Agreement as a game changer

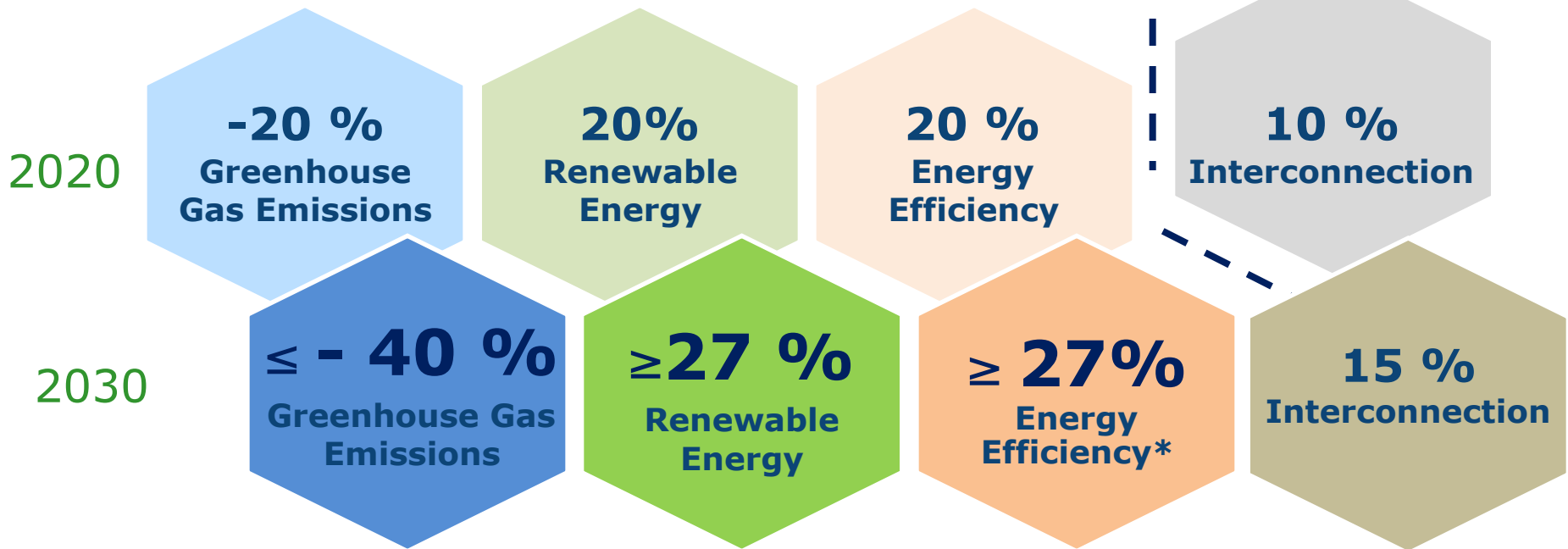


➤ *EU-Central Asia cooperation needs to **integrate** the Paris Agreement!*



The EU's response to Paris

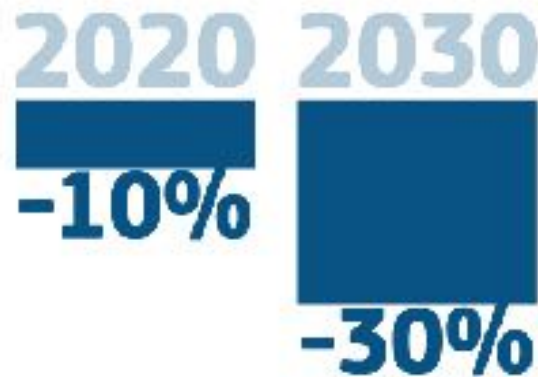
2030 Framework for Climate and Energy



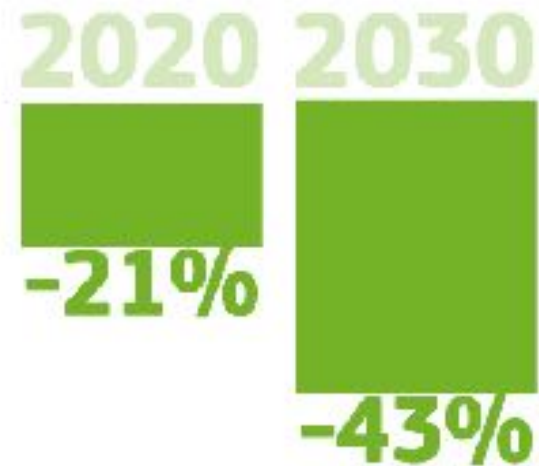
* Proposed to increase to 30%

GHG reduction targets ETS and Non ETS

EMISSION REDUCTIONS IN ETS AND NON-ETS COMPARED TO 2005



**NON
ETS** INCLUDING
ROAD TRANSPORT,
HOUSING,
AGRICULTURE
etc.



ETS INCLUDING
POWER/ENERGY
SECTOR & INDUSTRY



IMPLEMENTING THE 2030 FRAMEWORK

Emissions Trading System

2015

- Successor to Effort Sharing Decision
- Land use, land-use change and forestry
- European Strategy for low-emission mobility

**20 July
2016**

"Clean Energy for all Europeans"

**30 Nov
2016**

Further proposals on transport

2017

CLEAN ENERGY FOR ALL EUROPEANS – THE OPPORTUNITY

THE ENERGY SYSTEM OF TOMORROW WILL LOOK DIFFERENT

2015

Paris Climate
Agreement



2030

50 % of electricity to
come from
renewables



2050

Carbon free
electricity &
transport further
decarbonised



A UNIQUE OPPORTUNITY TO MODERNISE OUR ECONOMY

Stimulate
investment

Create
jobs and growth

Secure
energy supplies

Accelerate
decarbonisation

Empower
consumers

CLEAN ENERGY FOR ALL EUROPEANS – THE PROPOSALS



Putting **energy efficiency** first



Making the EU world leader in **renewables**



New **Electricity Market Design**



Energy Union Governance

PUTTING ENERGY EFFICIENCY FIRST



Energy Efficiency Directive

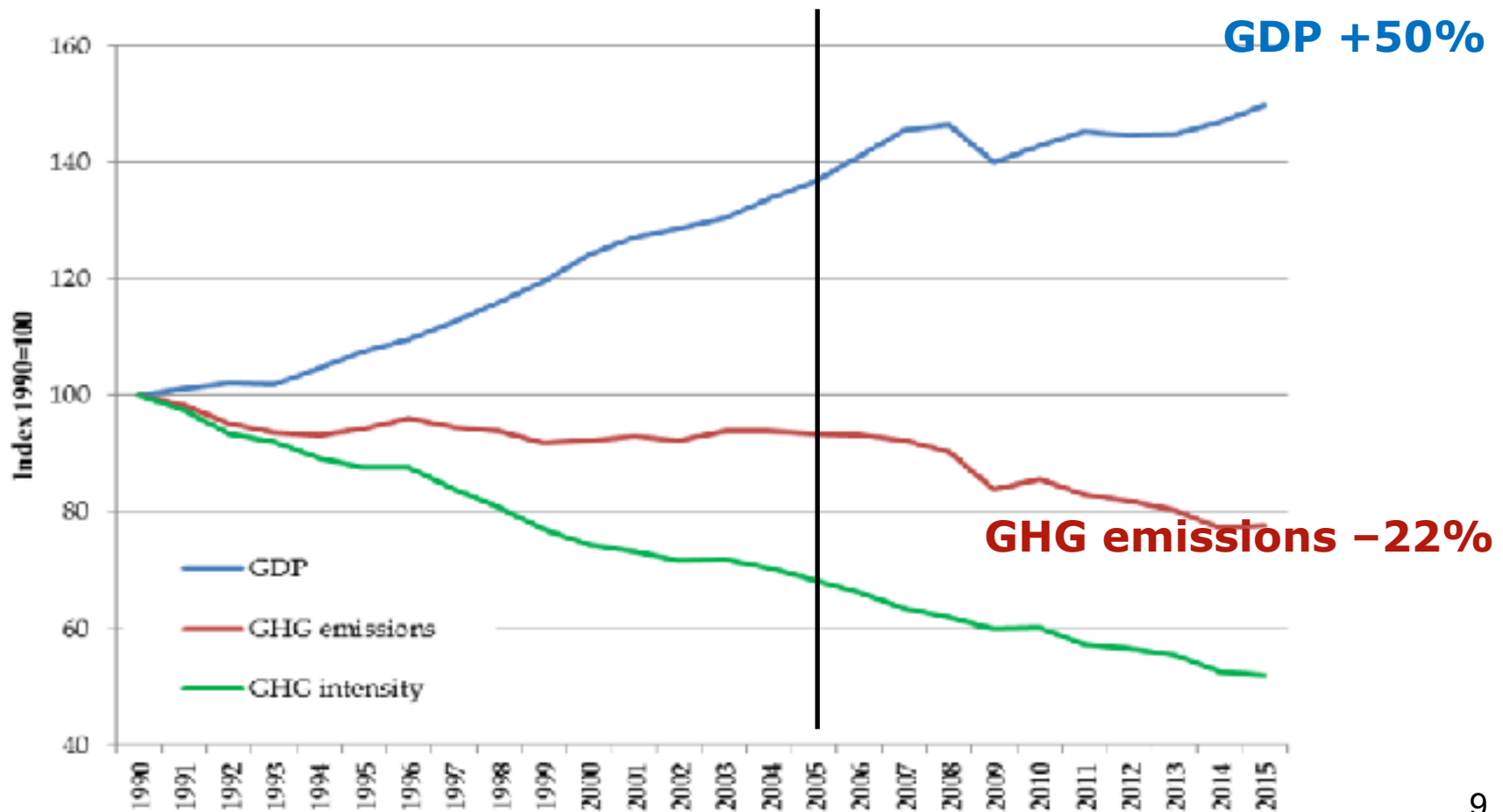
- Binding 30% energy efficiency target for 2030;
- Create 400,000 new jobs;
- Reduce gas imports by 12%;
- Save € 70 billion in fossil fuel imports;
- Empower consumers by granting access to information on their energy consumption;
- Cut health-related damage costs by up to €8.3 billion.



Energy Performance of Buildings

- Clear vision for a decarbonised building stock;
- Smart & Efficient buildings through use of Information and Communication Technologies and Smart Technologies;
- Smart Finance for Smart Buildings initiative:
 - More effective use of public funding
 - Aggregation of funds
 - De-risking
- Protect vulnerable groups & address energy poverty.

European Union: Decoupling economic growth from greenhouse gas emissions

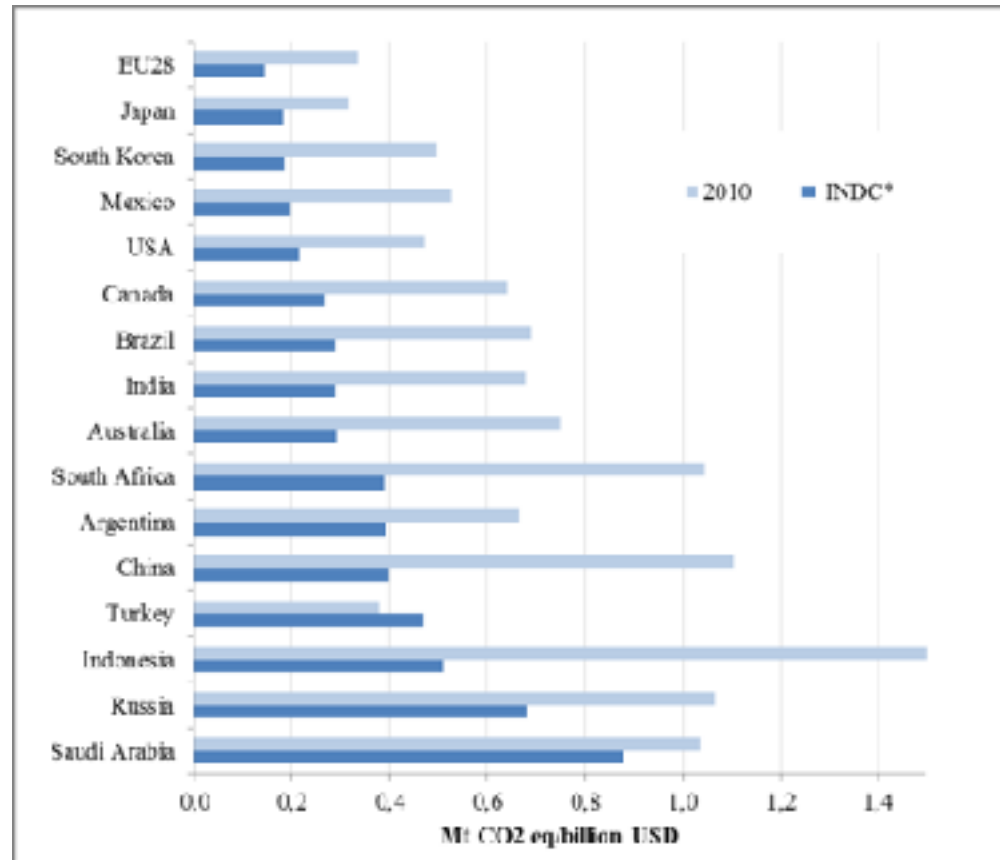


Making the EU the most energy efficient economy worldwide

Significant reduction of GHG intensity of EU economy

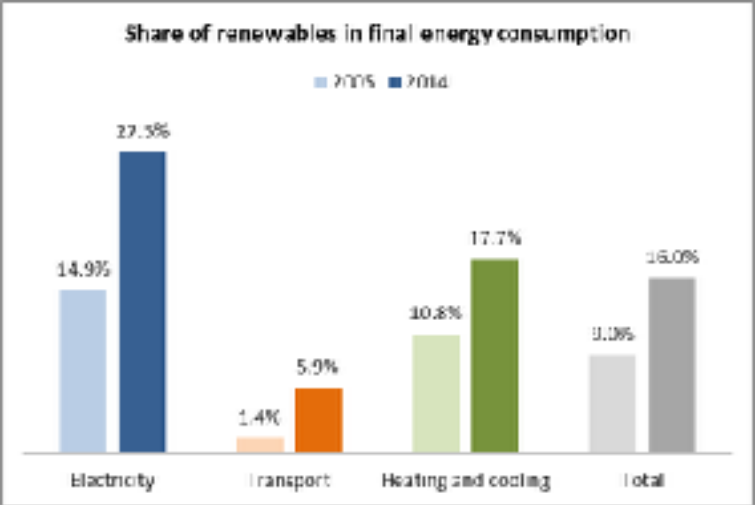
EU is one of the most GHG efficient major economies

EU is set to become the most GHG efficient economy in the G20 through the implementation of the 2030 climate and energy targets



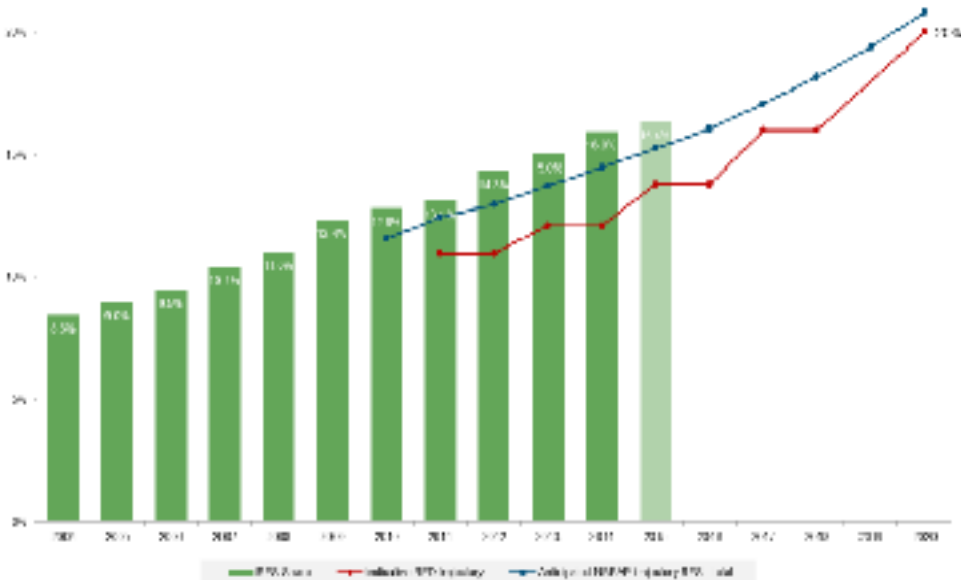
Source: The emissions Gap Report 2016-2030 trends and ambition. UNEP, November 2016.

Renewables' state of play



Achievements

- drove down costs key technologies (PV, wind)
- accelerated deployment – strong impact on investments patterns
- emission reductions



Challenges ahead

- EU as technology provider ("renewable no. 1")
- Network development
- Market integration



Thank you!

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