



PARIS – COP 21

ZEW Lunch Debate - "The Road to Paris: Towards a Fair and Effective Climate Agreement?"

18 November 2015

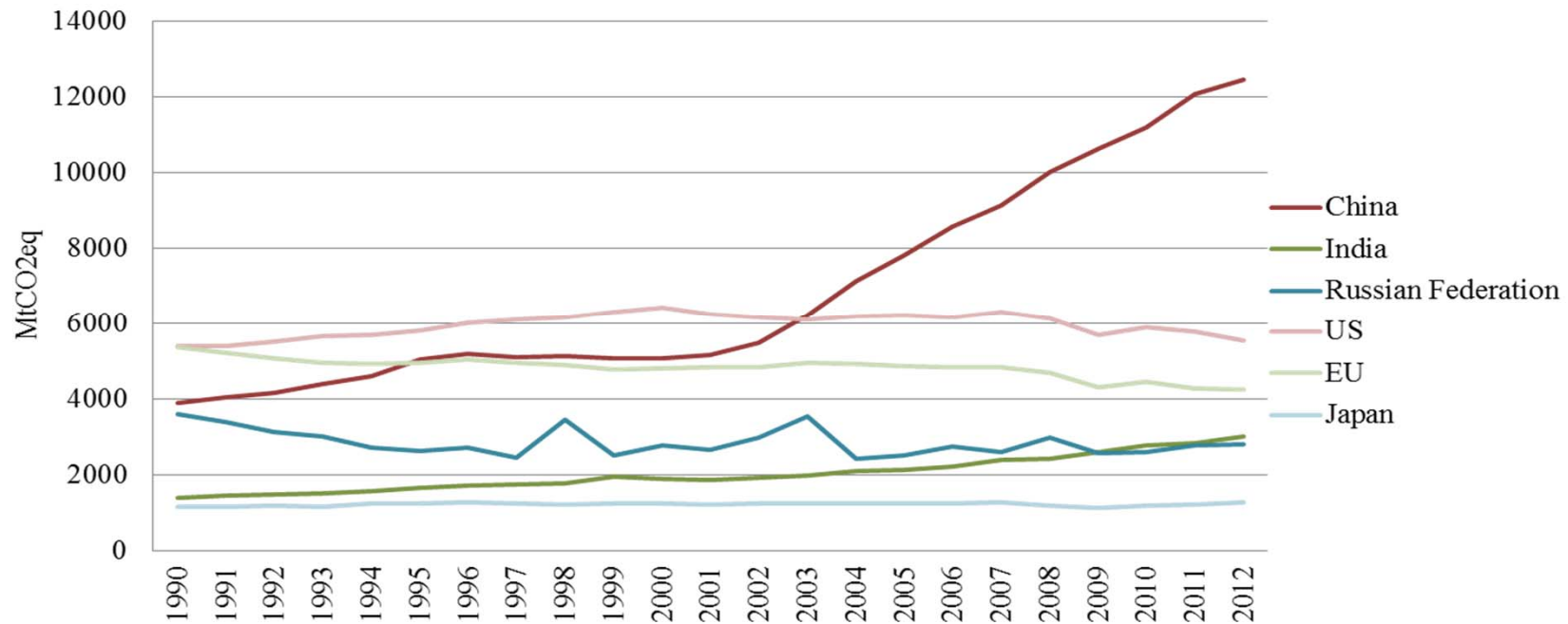
Jos DELBEKE

Director General for Climate Action

European Commission

Climate
Action

Emissions of major economies, 1990-2012 (all greenhouse gases, all sources & sinks)



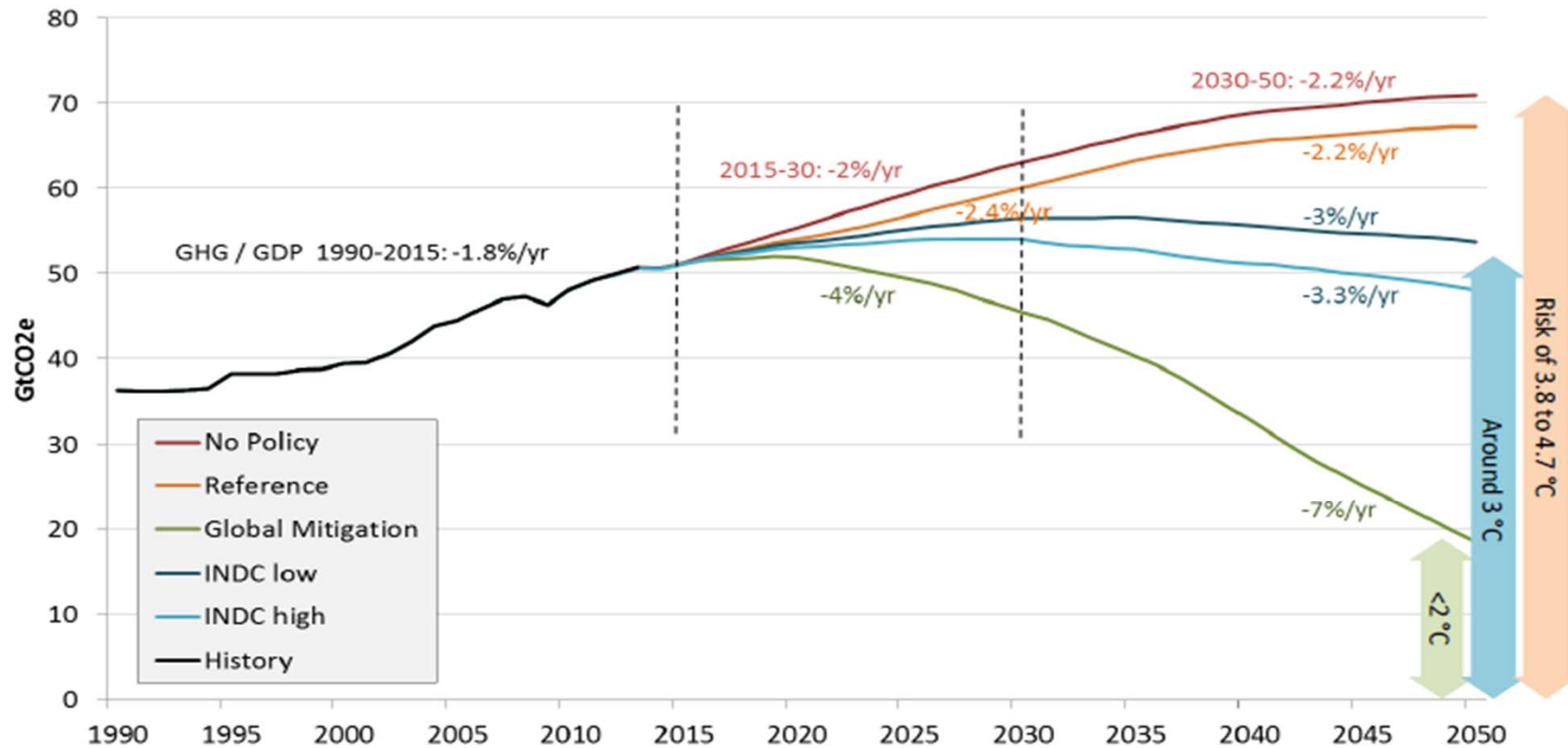
(Source: historical emissions data: inventories data to the UNFCCC (http://unfccc.int/national_reports/))



Road to Paris : Climate Policy Pledges (INDCs)

- *INDCs submitted representing over 90% of global GHG emissions*
- *164 countries*
- *UNFCCC Synthesis Report / IEA Analysis*
- *Rather 3° instead of 2°C outcome*

World emissions (GtCO₂e, total excluding sinks) and percent change in emission intensity per unit of GDP

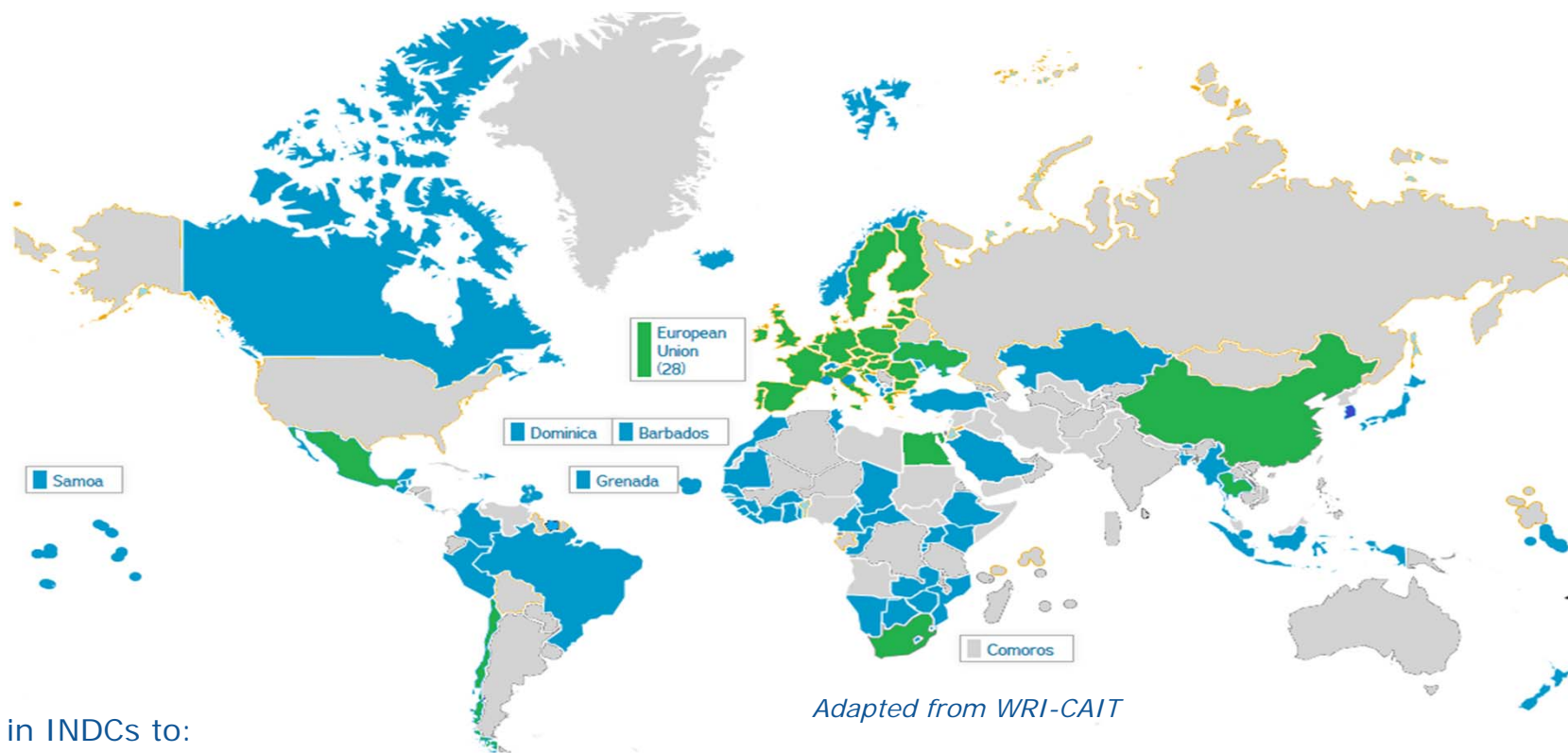


Source: POLES – JRC Model






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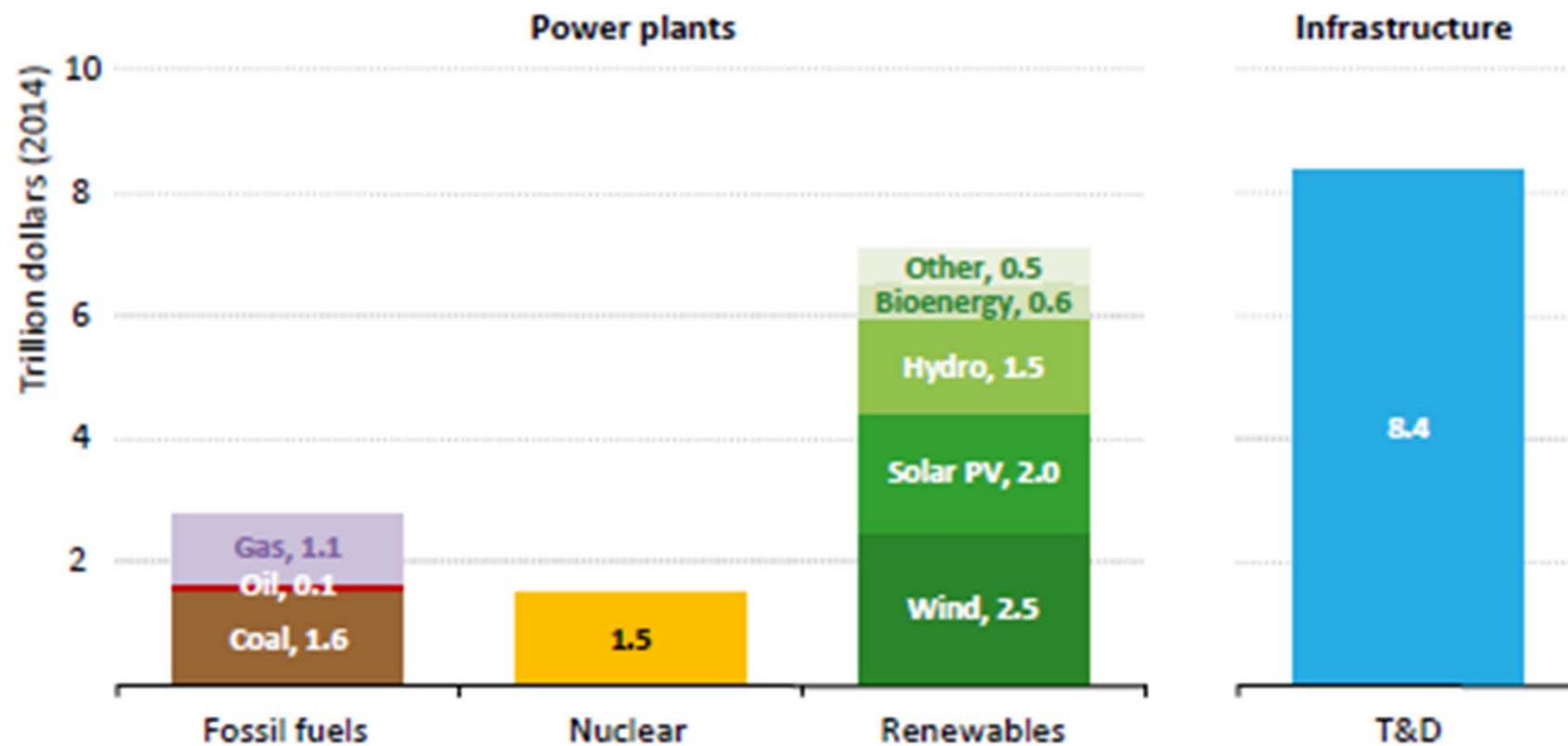
References to carbon tax, ETS and International market mechanisms



Ref. in INDCs to:

-  Domestic ETS and carbon taxes
-  Planned / possible use of int'l market mechanisms
-  No specific references or no INDC yet

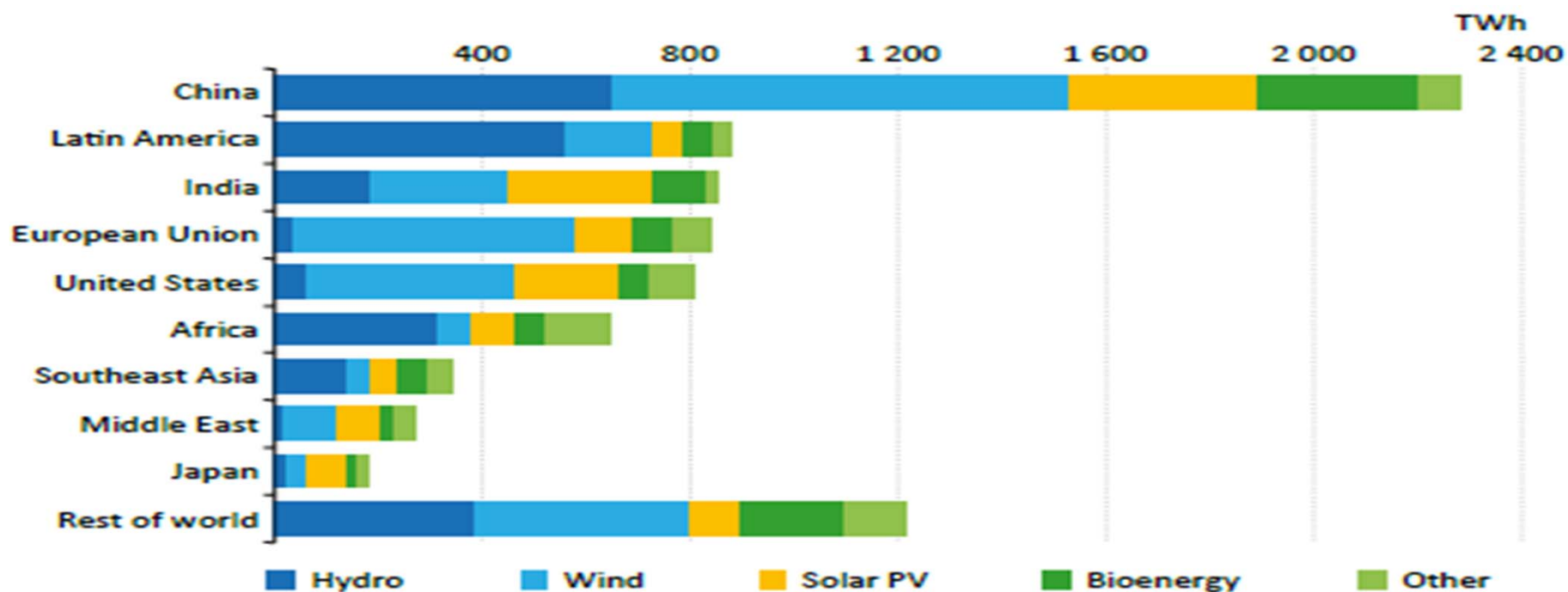
Global cumulative investment in the power sector with INDCs 2015 – 2040 (IEA WEO2015)





European Commission

Growth in renewable electricity generation with INDCs 2013-2040 (IEA WEO2015)



Note: Other includes geothermal, concentrating solar power and marine.

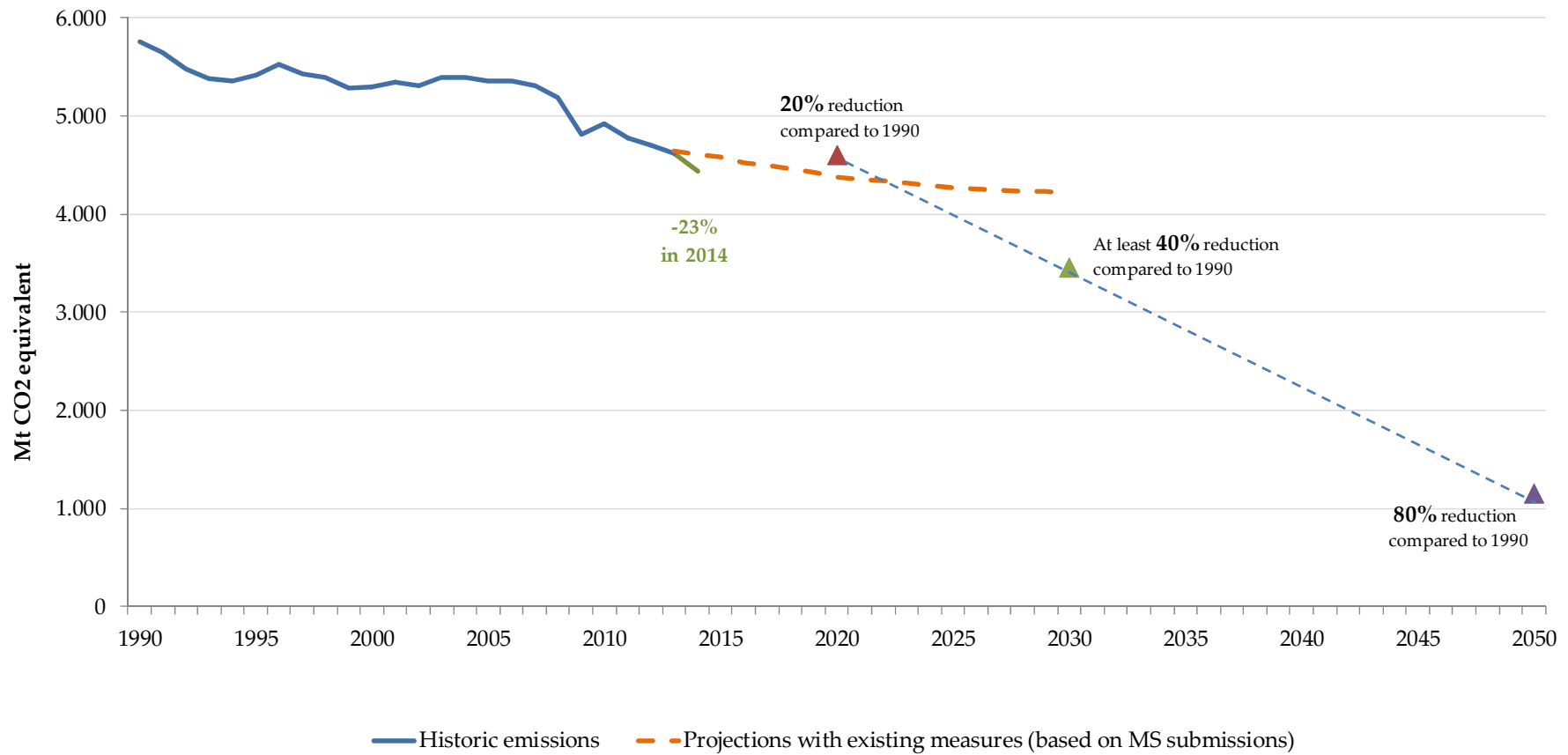
What the EU expects Paris to deliver



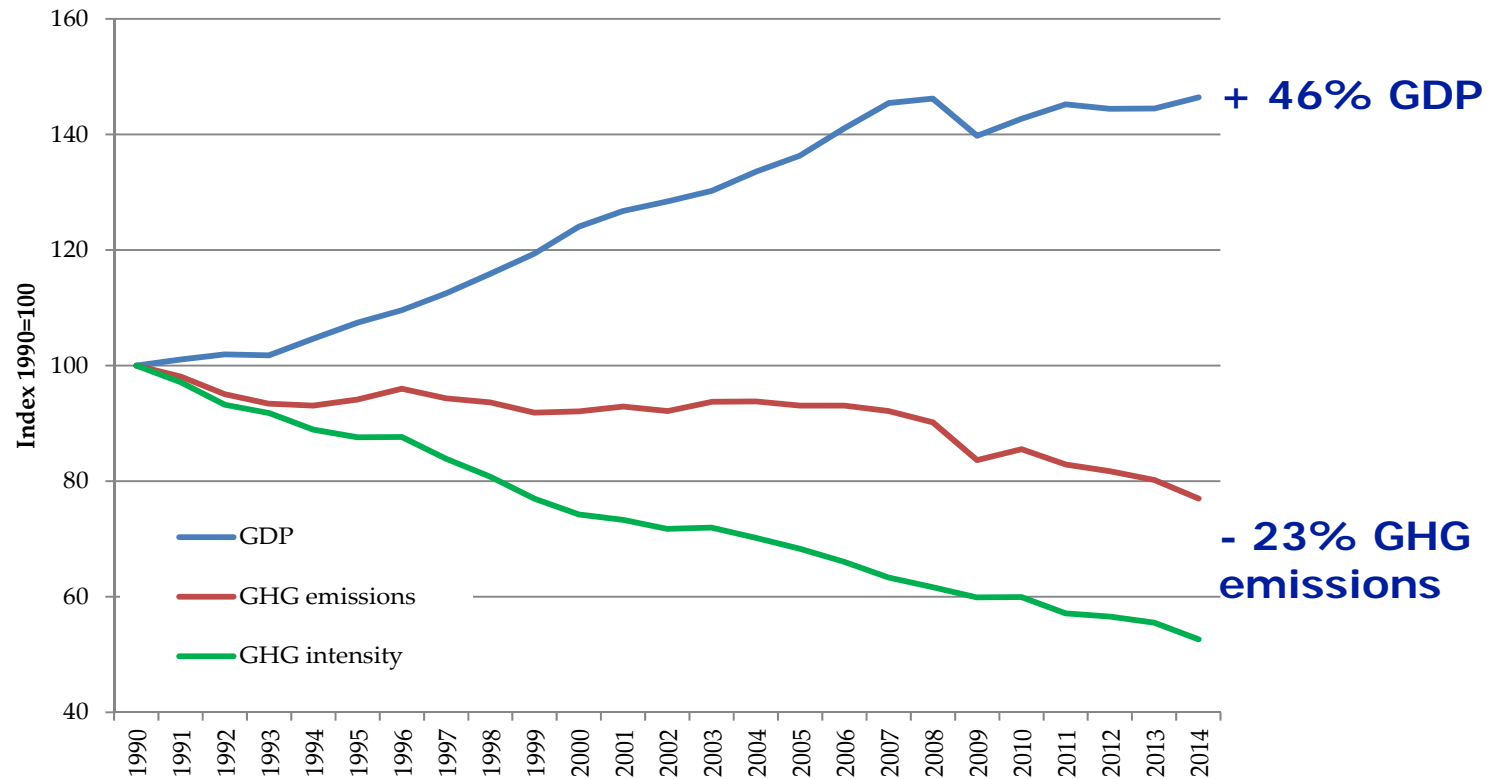
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UN CLIMATE CHANGE CONFERENCE
COP21·CMP11

- **Implementation of INDCs by ALL Parties**
- **Long-term target based on IPCC, with 5 yearly reviews**
- **Transparency and accountability through robust common rules**

Total EU GHG emission trend



EU : Decoupling growth from emissions



Source: European Commission based on data compiled by EEA



Thank you!



*Climate
Action*