

# ECOFYS

sustainable energy for everyone



## Taking the energy transformation from NDCs to action

**Renewable energy**

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## This contribution

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### **Contribution based on INDC analyses performed as part of:**

Climate Action Tracker (<http://climateactiontracker.org/>):

***The "Climate Action Tracker" is an independent science-based assessment, which tracks the emission commitments and actions of countries. The website provides an up-to-date assessment of individual national pledges, targets and INDCs and currently implemented policy to reduce their greenhouse gas emissions.***

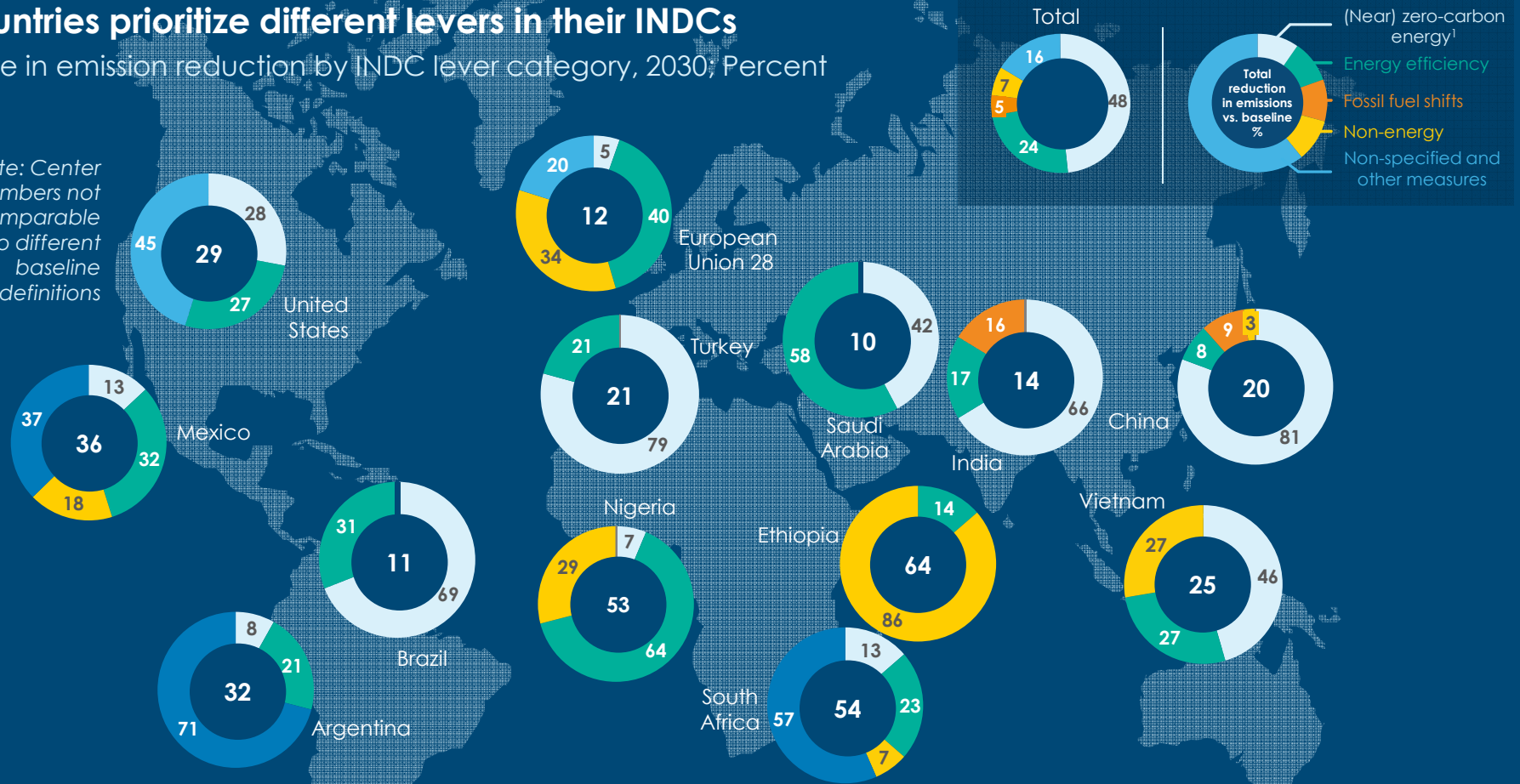
The Energy Transitions Committee (<http://www.energy-transitions.org/insights>):

***The Energy Transitions Commission (ETC) was convened to help identify pathways for change in our energy systems to ensure both better growth and a better climate. This is inspired by the work of the New Climate Economy.***

## Countries prioritize different levers in their INDCs

Share in emission reduction by INDC lever category, 2030; Percent

Note: Center numbers not comparable due to different baseline definitions



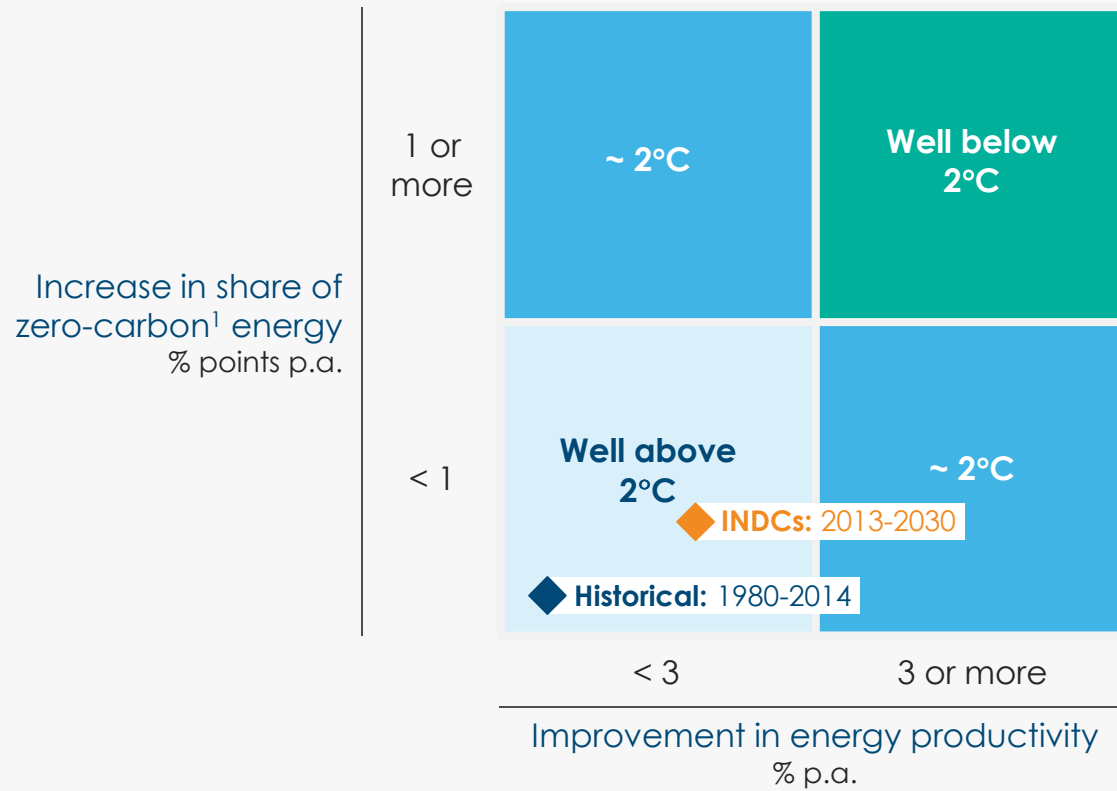
<sup>1</sup> Renewables, nuclear, fossil fuels with CCS/CCU

Note: Current Policies Baseline applied for US, EU and South Africa. Counterfactual emissions applied for China and India. Japan not shown as reductions are in line with current policy trends and a 'counterfactual baseline' could not be constructed

From: Pathways from Paris, assessing the INDC opportunity, Energy Transitions Committee

## Energy productivity and the share of zero-carbon energy will drive overall system change

Global primary energy demand, 2012-2050



<sup>1</sup> We include here renewables, nuclear, biomass and fossil fuels if and when their use can be decarbonized through carbon capture and use or storage (CCS/CCU). However, if a large share of the increase is from the latter, a higher share is required since this does not reduce emissions to zero completely  
SOURCE: Enerdata (2015), Historic actuals

## Contact details

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