

20 SEPTEMBER 2017

Energy efficiency in Europe - past success and future ambition

China-EU Energy Dialogue, Beijing

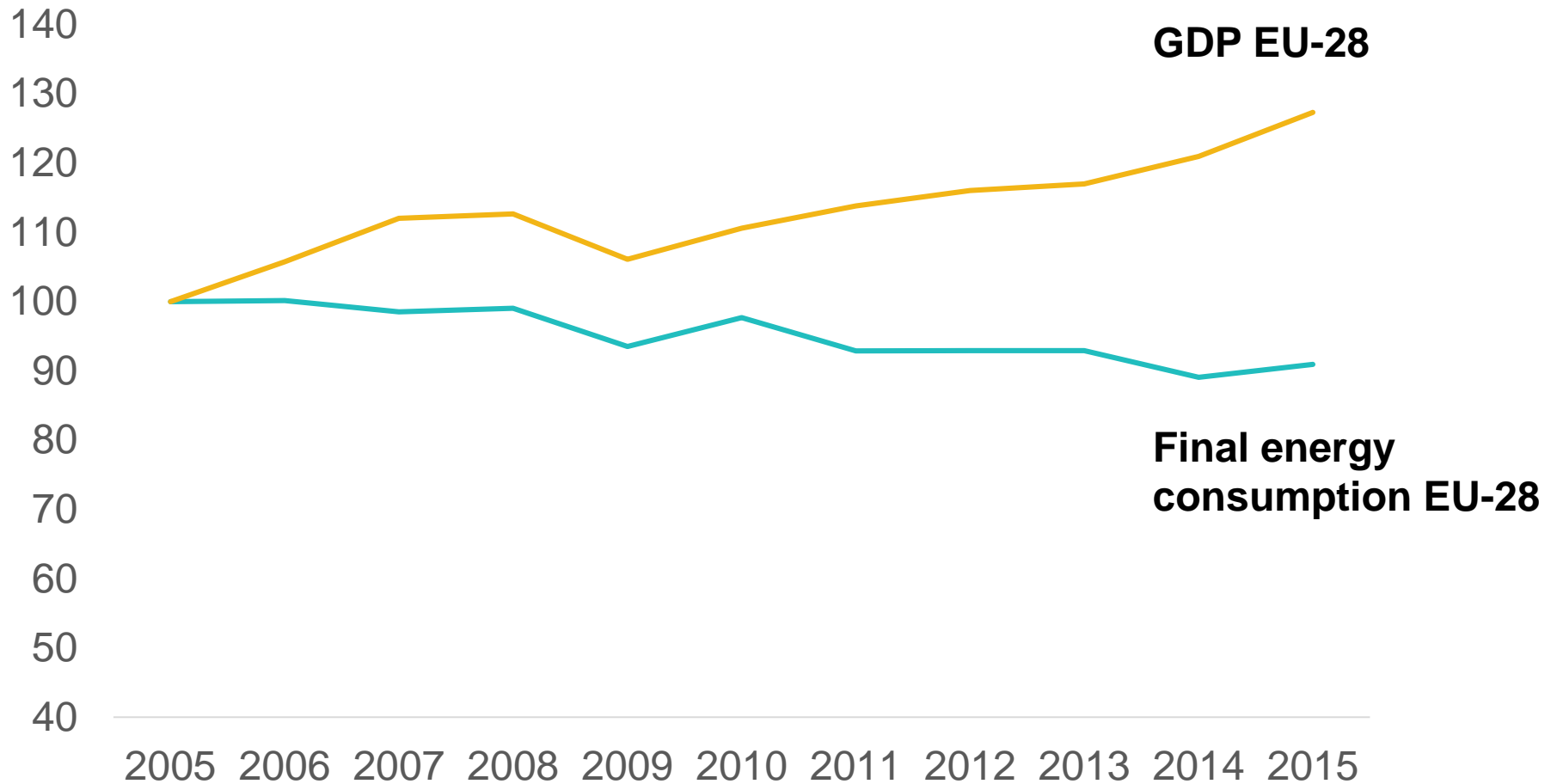
Dr. Jan Rosenow
Senior Associate
The Regulatory Assistance Project (RAP)[®]

Rue de la Science 23
B-1040 Brussels
Belgium

+44 7722 343137
jrosenow@raponline.org
raponline.org

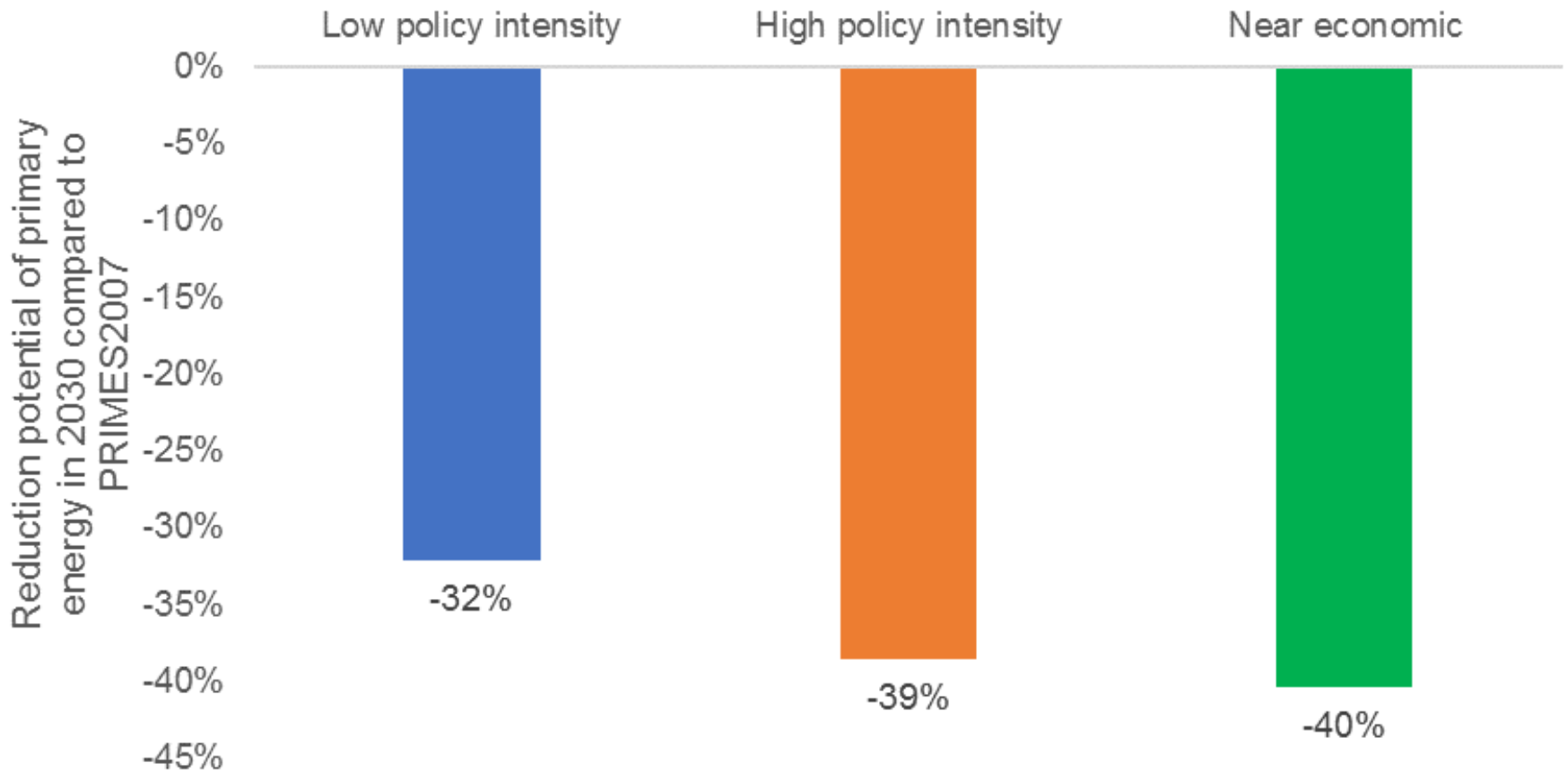


Decoupling – a reality in Europe



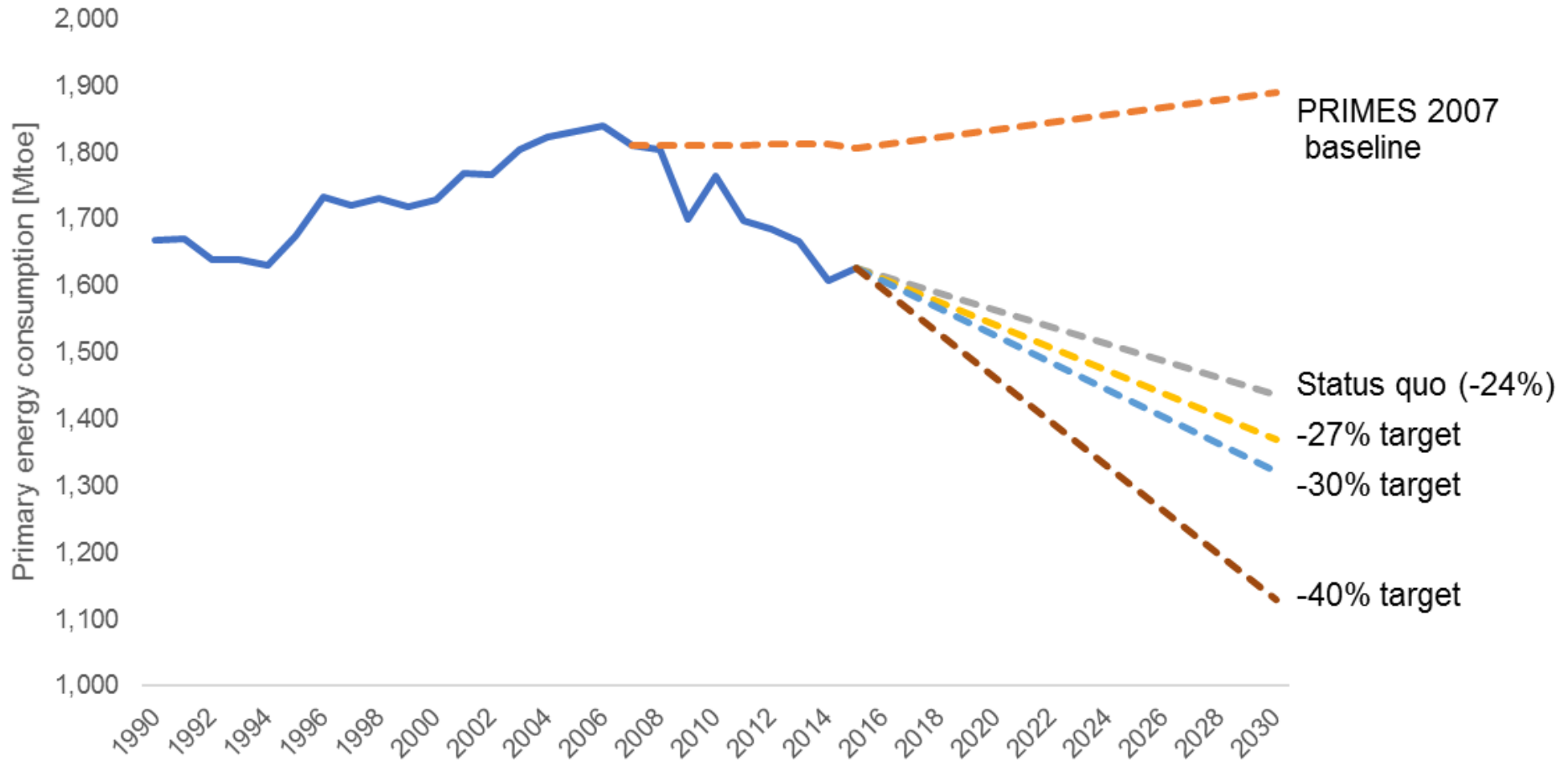
Source: Eurostat (2017)

Remaining potential for savings is substantial



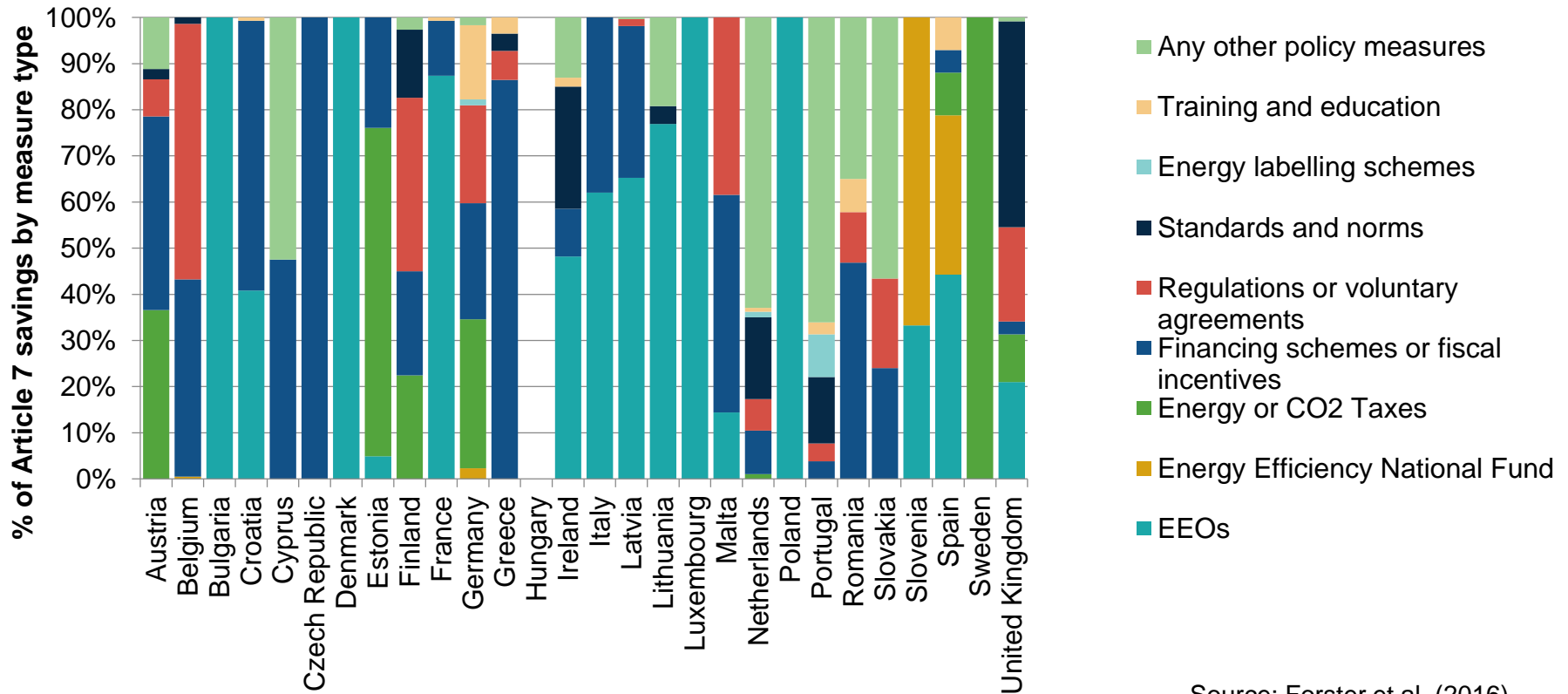
Source: Fraunhofer et al. (2014)

Potential EU energy efficiency targets



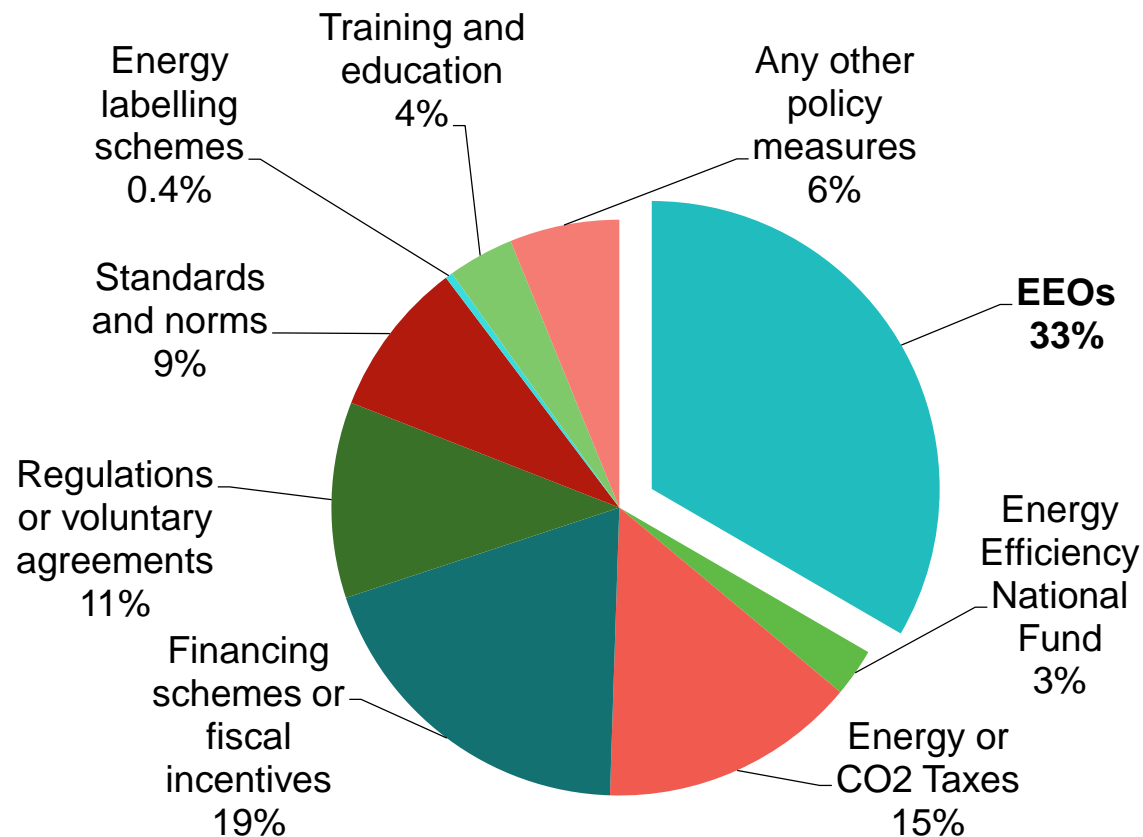
Sources: Eurostat (2017), EC (2016)

Huge policy diversity across EU Member States – example of Article 7 of the Energy Efficiency Directive



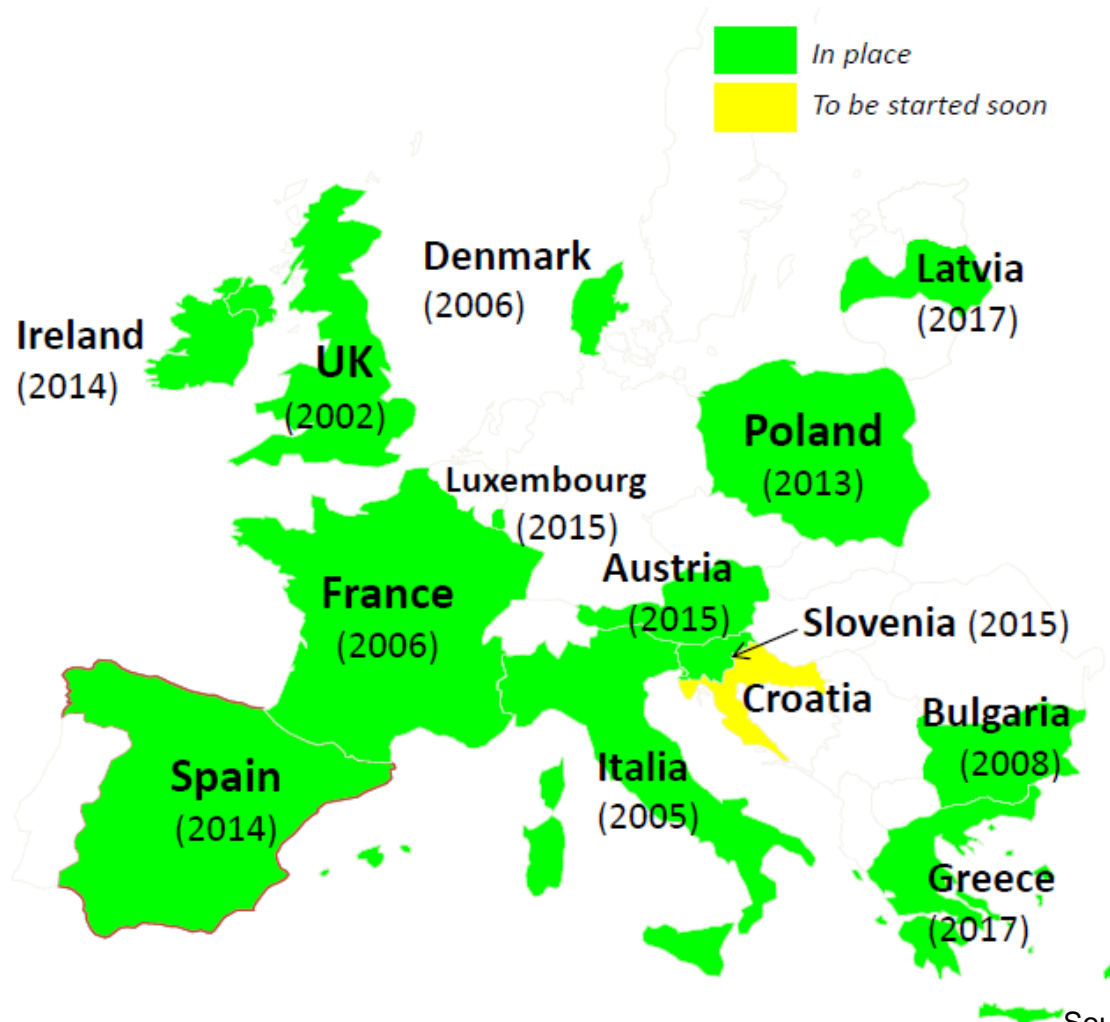
Source: Forster et al. (2016)

Energy Efficiency Obligations key mechanism to deliver savings



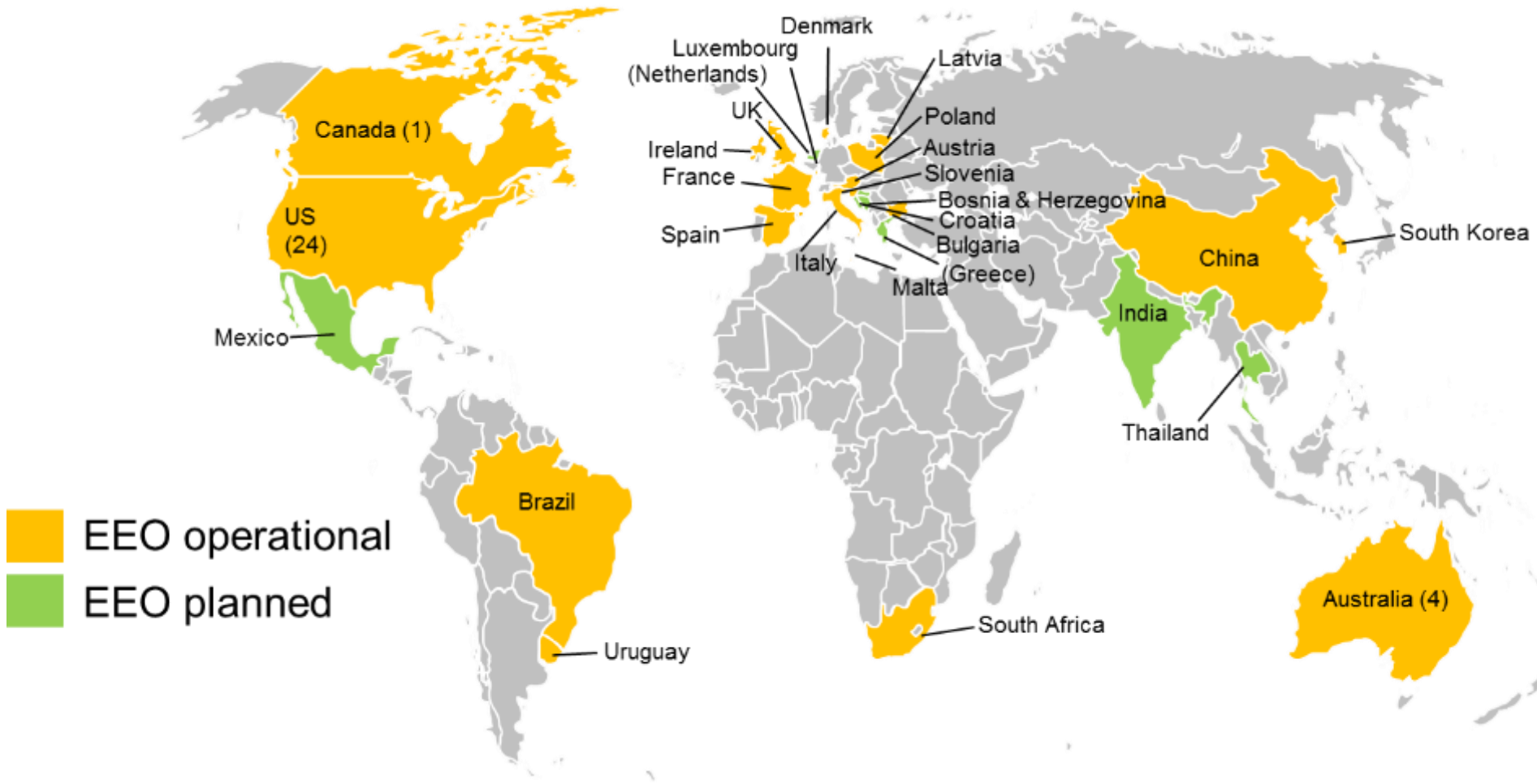
Source: Forster et al. (2016)

EEOs in 14 EU countries (July 2017)



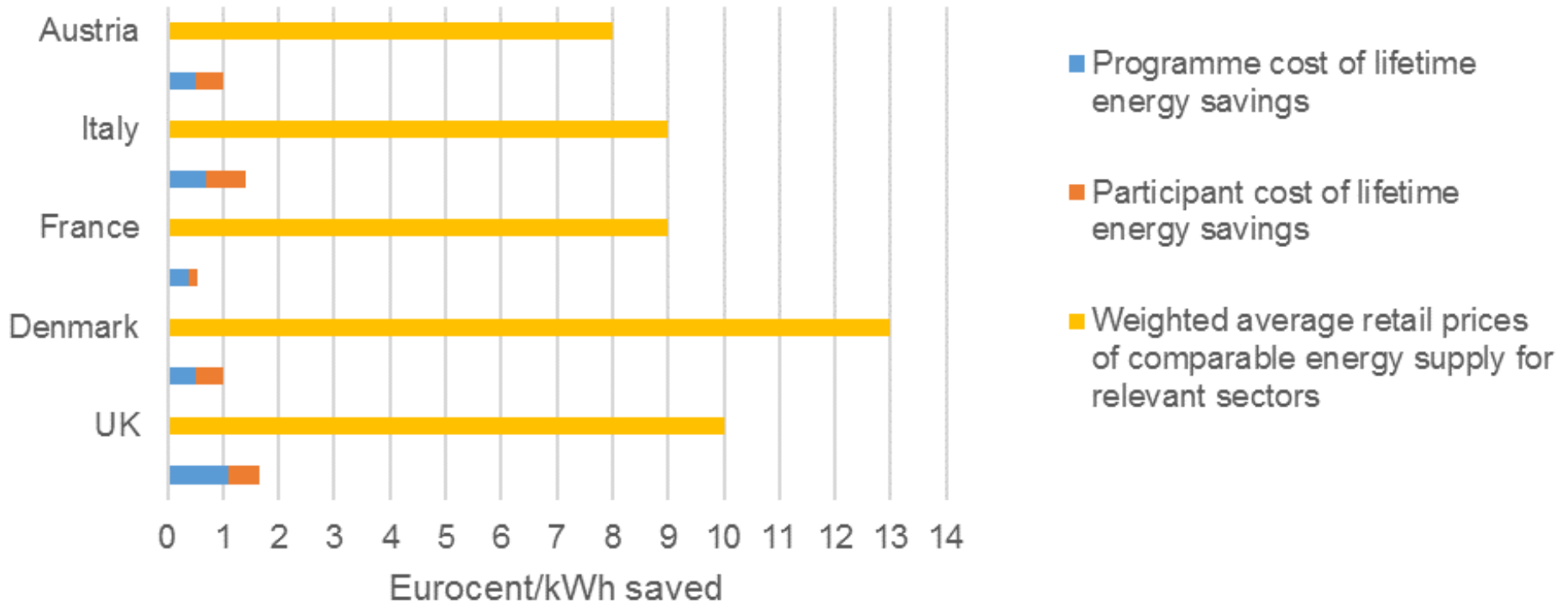
Source: Broc (2017)

EU not alone in implementing Energy Efficiency Obligations: 54 across the globe



Source: based on Rosenow et al. (2017)

Negawatts of Energy Efficiency Obligations 4-5 times cheaper than Megawatts



Source: based on Rosenow and Bayer (2016)

Thank you for your attention!

Resources

- [Rosenow, J., Bayer, E. \(2016\): Costs and benefits of Energy Efficiency Obligations - a review of European programmes. Report for the European Commission](#)
- [Fawcett, T., Rosenow, J. \(2016\): The Member States' plans and achievements towards the implementation of Article 7 of the Energy Efficiency Directive. Report for the European Parliament](#)
- [Lees, E., Bayer, E. \(2016\): Toolkit for Energy Efficiency Obligations. Regulatory Assistance Project](#)

About RAP

The Regulatory Assistance Project (RAP)® is an independent, non-partisan, non-governmental organization dedicated to accelerating the transition to a clean, reliable, and efficient energy future.

Learn more about our work at raponline.org



Dr. Jan Rosenow
Senior Associate
The Regulatory Assistance Project (RAP)®

Rue de la Science 23
B-1040 Brussels
Belgium

+44 7722 343137
jrosenow@raponline.org
raponline.org