



SUSTAINABLE
ENERGY FOR ALL

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An Introduction to the Industrial Energy Efficiency Accelerator

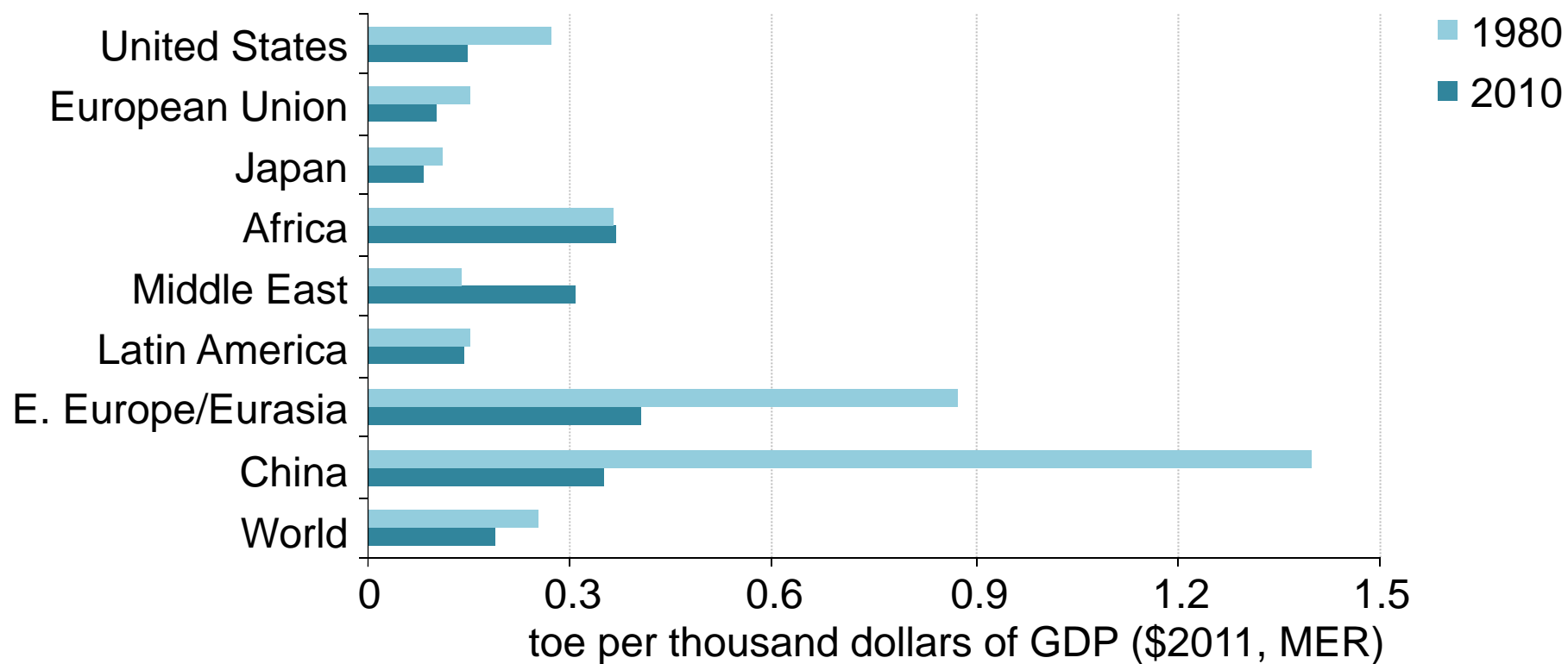
1st October 2015, Yerevan

Thibaud Voïta



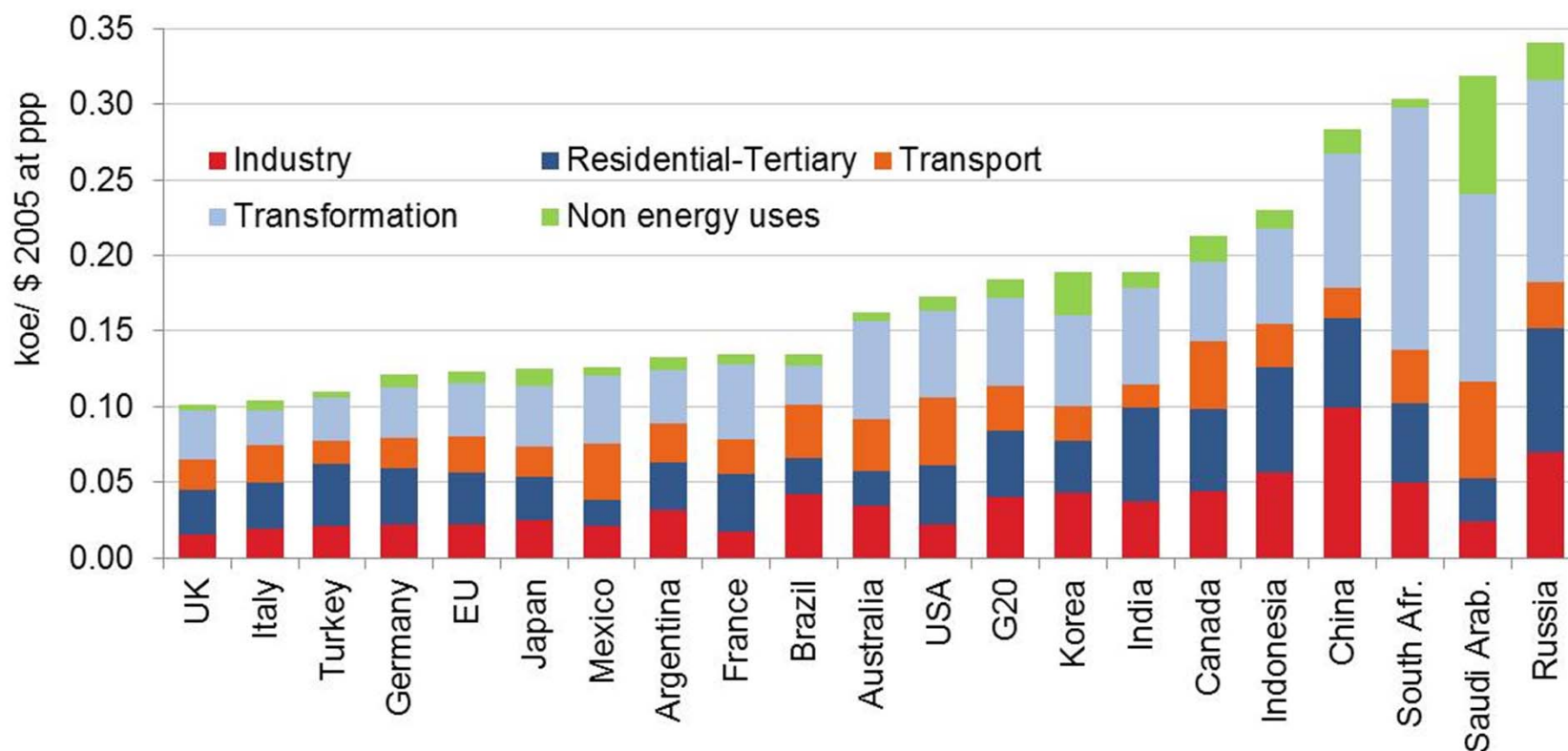
Why Industry Energy Efficiency?

Energy Intensities are converging...



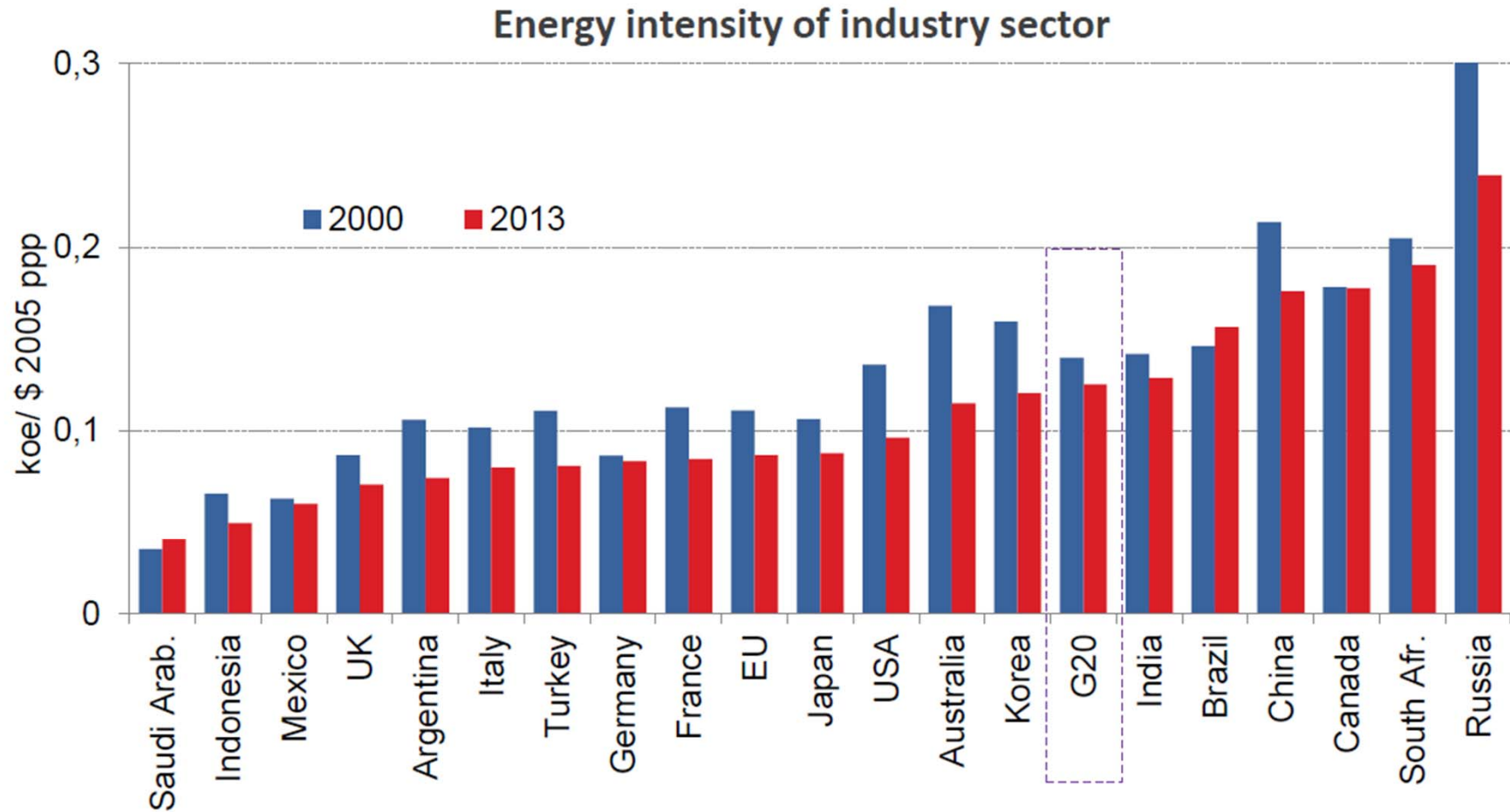
But Energy Performance Changes from one Sector to Another

Primary Intensity by Sector (2010)



Since 1990, final intensity is decreasing faster than primary intensity at G20 level (-1.6%/y against -1.3%/y) and in the majority of countries implying a growth in transformations losses.

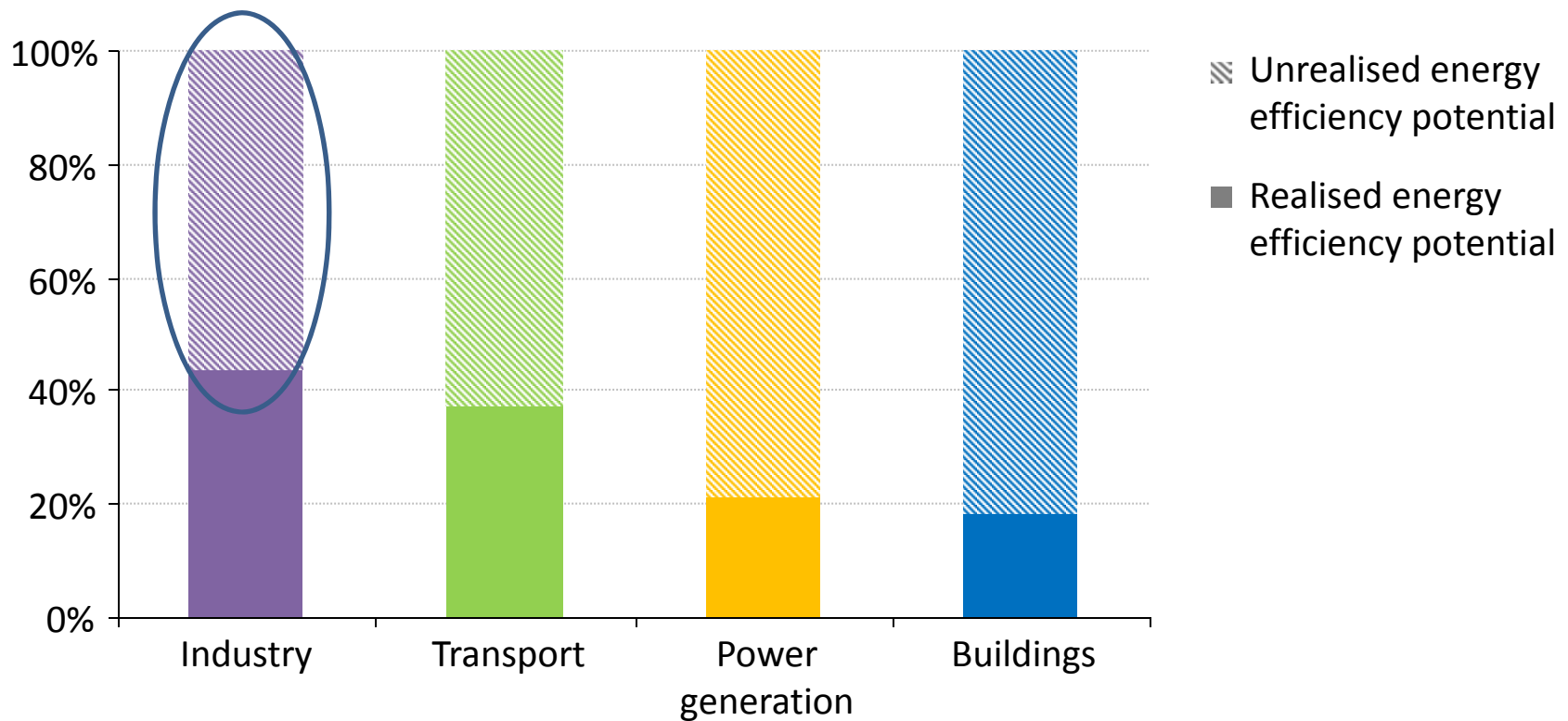
Energy Intensity is improving in the industry



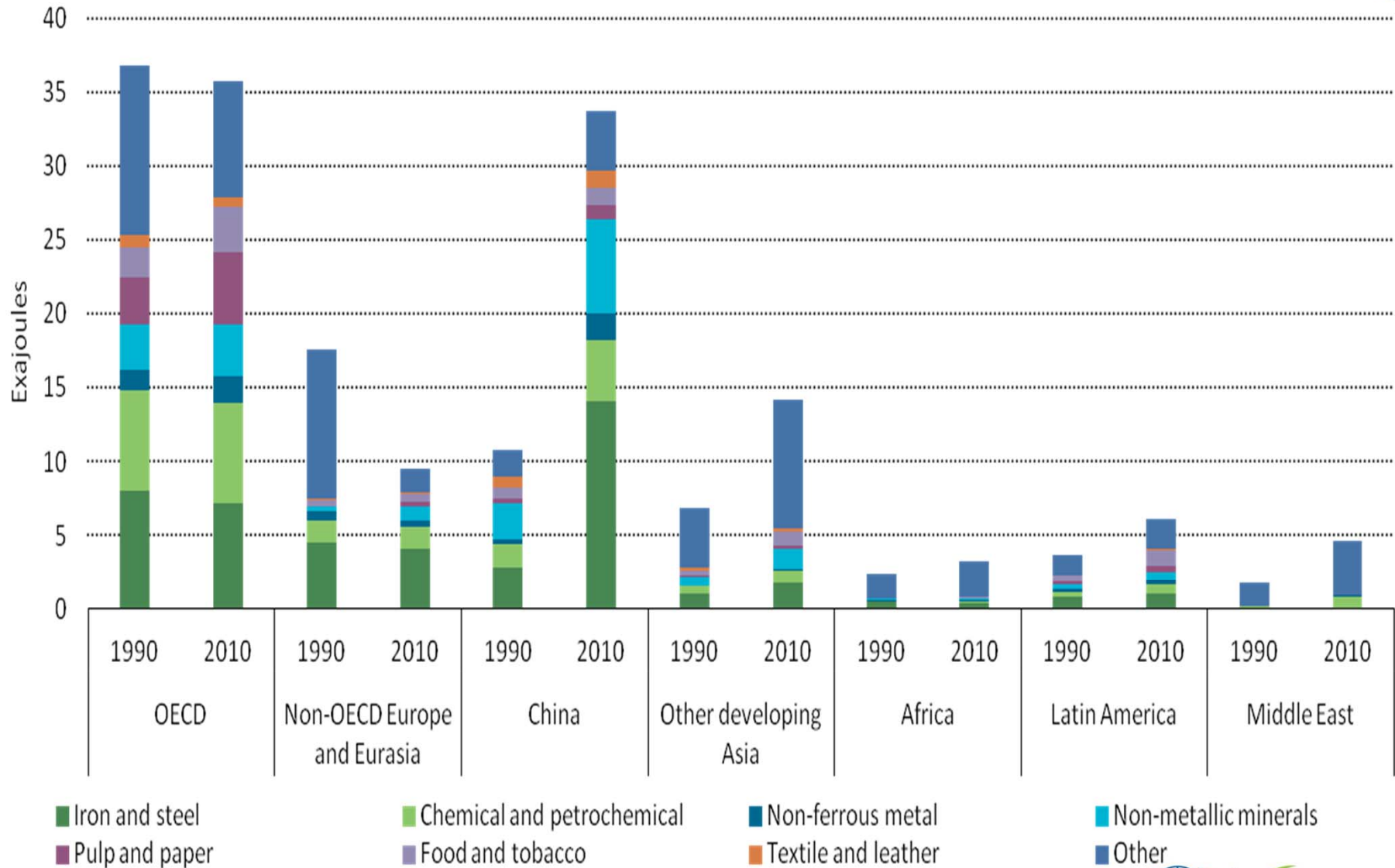
Source: ADEME, Enerdata 2015



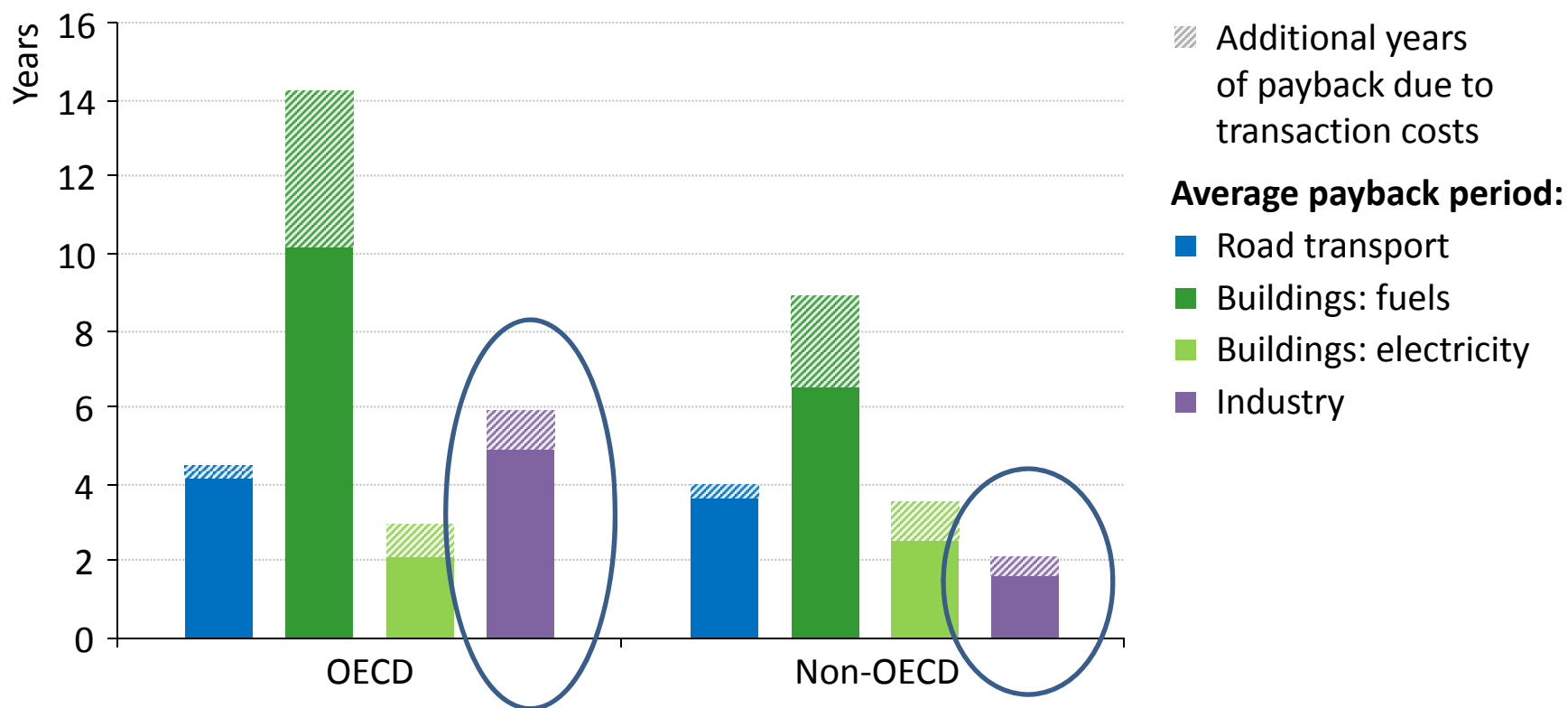
Up to 2/3 of EE Potential Remains Untap



Energy Consumption by Industry Sector



Average Payback Periods for EE Measures by Sector

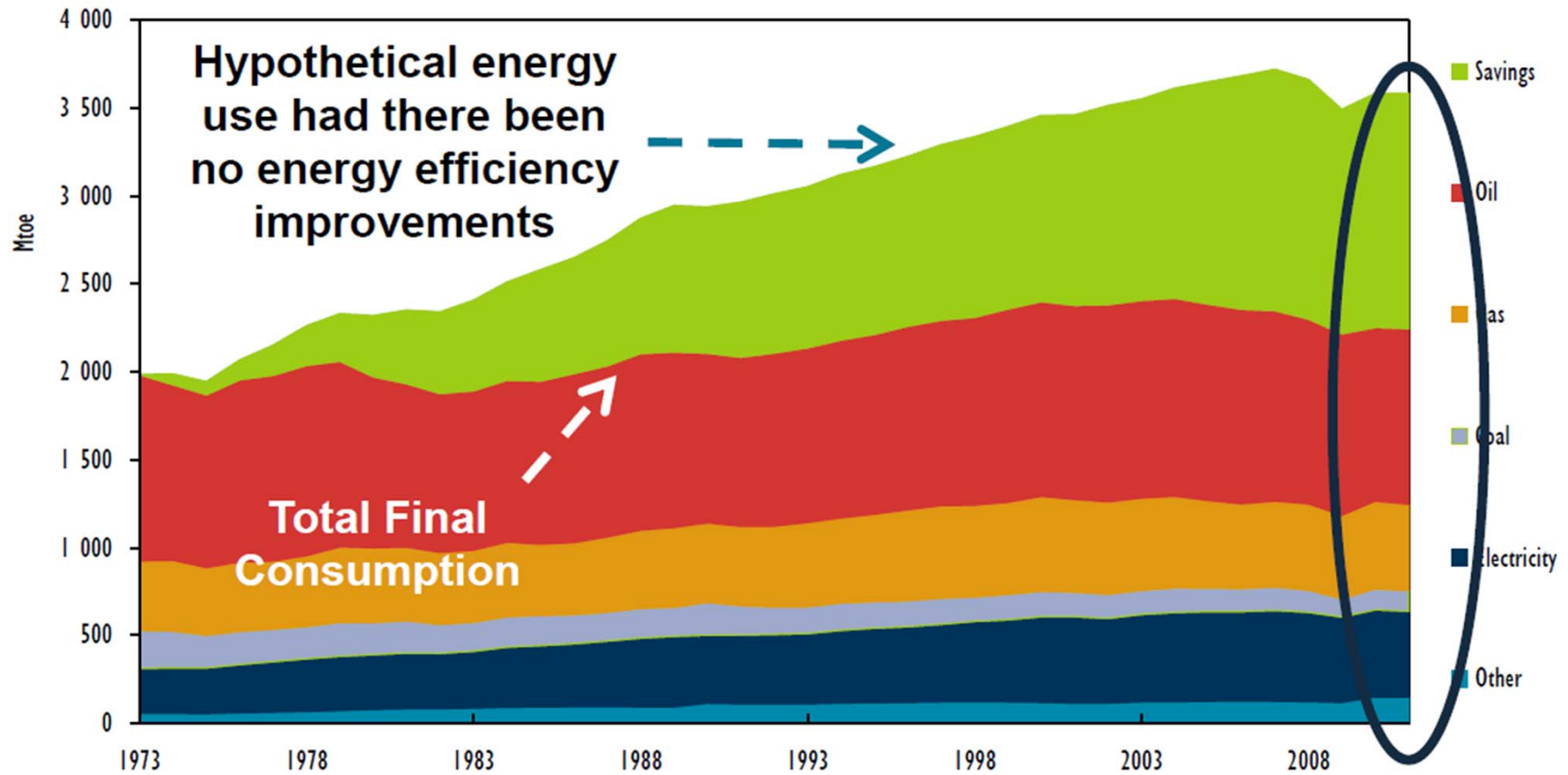


The potential is huge...

- The manufacturing industry spends some USD 1 trillion a year on energy – 55% of it in developing countries.
- Universal adoption of best practice technologies could yield annual savings in energy costs of USD65 billion in developing economies (23% of total energy costs) and 2% of manufacturing value added,
- Universal adoption of best available technologies can save additional 5 – 15% on costs. The potential totals 32.7 exajoules per year, approx. 30% of the global energy consumption & 6% of total energy use worldwide.



How much would IEA countries consume without EE?



IEA-11: Australia, Denmark, Finland, France, Germany, Italy, Japan, Netherlands, Sweden, United Kingdom, United States



Industry in the Global Energy Efficiency Accelerator Platform

SE4ALL: 1 Goal, 3 Targets



ENSURING
universal access
TO MODERN ENERGY
SERVICES.



DOUBLING THE GLOBAL
RATE OF IMPROVEMENT IN
*energy
efficiency.*



DOUBLING THE SHARE OF
renewable energy
IN THE GLOBAL
ENERGY MIX.

