Energy efficiency benchmarking in industry

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Outline

1. What data on industrial energy efficiency do we have available today?

2. What data would we ideally like?

3. Why would these data be useful?

4. How could we get better data in the future?
The IEA energy balance provides sectoral energy data...

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External data sources can provide additional details…

Thermal energy per tonne of clinker in 2016

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...but this data also has limitations.

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Better data could provide multiple benefits

- Improved energy efficiency benchmarking, which enables:
  - Identifying best performers and sharing best practices
  - Setting regulatory targets
  - Identifying opportunities for improvement and pushing for better performance
- Tracking progress
- Energy modelling and analysis, for understanding future CO2 trajectories
There are several possible paths to better data

- Collection directly from countries (for example, hosted by the IEA):
  - Could be incorporated into existing or new IEA data collection
- Better support from countries for reporting to industry associations:
  - Could improve coverage of existing data sets
  - Could help resolve confidentiality concerns and enable more data to be made publicly available