



# European indicator frameworks dealing with climate change

European Commission - Eurostat

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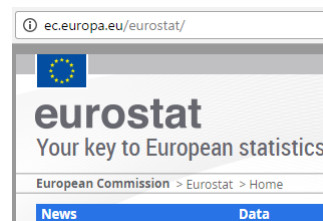
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## Introduction and overview

- Eurostat is the statistical office of the European Union
- European indicator sets maintained by Eurostat to monitor long-term policy frameworks:
  - Europe 2020 indicators
  - Sustainable development indicators
  - Resource efficiency scoreboard



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## Europe 2020 indicators

- To support EU's strategy for smart, sustainable and inclusive growth
- Headline targets
  - Linked to the key objectives
  - Based on availability of sufficiently reliable data for assessing progress
- Climate change and energy targets:
  - GHG emissions: 20%↓ compared to 1990
  - Share of renewables: ↑ to 20% of final energy consumption
  - Energy efficiency: 20%↑

## Europe 2020 indicators

- Four headline indicators related to climate change & energy:
  - Greenhouse gas emissions (index 1990 = 100)
  - Share of renewable energy in gross final energy consumption (%)
  - Primary energy consumption (Mtoe)
  - Final energy consumption (Mtoe)
- A monitoring report is published annually
  - With additional information, e.g.:
    - GHG emissions per capita, per sector
    - Renewable energy consumption by source
    - Imports of energy carriers
    - and much more





## Sustainable development indicators

- To monitor the EU Sustainable Development Strategy
- Nine headline indicators, over 130 indicators in total
- Climate change and energy theme:
  - Two headline indicators:
    - Greenhouse gas emissions
    - Primary energy consumption
- Eurostat plans to develop an EU SDG indicator set
  - About 100 indicators
  - Existing indicators, complemented by new indicators related to EU policies

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## Sustainable development indicators

Climate change and energy theme	
<i>Headline indicators</i>	
GHG emissions	Primary energy consumption
<i>Operational indicators</i>	
GHG emissions, by sector (including sinks)	Energy dependency
	Share of renewables in gross final energy consumption
<i>Explanatory indicators</i>	
GHG emissions intensity of energy consumption	Gross inland energy consumption, by fuel
Projections of GHG emissions	Electricity generated from renewable sources
Global and European surface temperature deviation	Share of renewable energy in fuel consumption of transport
	Combined heat and power generation

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## Resource efficiency scoreboard

- Roadmap to a resource efficient Europe (Flagship initiative)
- Indicators for monitoring, benchmarking and comparison
- Scoreboard split into:
  - Lead indicators (1): resource productivity
  - Dashboard indicators (4): materials, land, water, carbon
  - Thematic indicators related to challenges in energy and climate change (3): food, improving buildings and ensuring efficient mobility
- Dashboard indicator 'Carbon'
  - Greenhouse gas emissions per capita
  - Energy productivity
  - Energy dependency
  - Share of renewable energy in gross energy consumption

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## Thank you!

More information:

Europe 2020 indicators

<http://ec.europa.eu/eurostat/web/europe-2020-indicators/europe-2020-strategy>

Sustainable development indicators

<http://ec.europa.eu/eurostat/web/sdi/indicators>

Resource efficiency scoreboard

<http://ec.europa.eu/eurostat/web/environmental-data-centre-on-natural-resources/resource-efficiency-indicators>

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