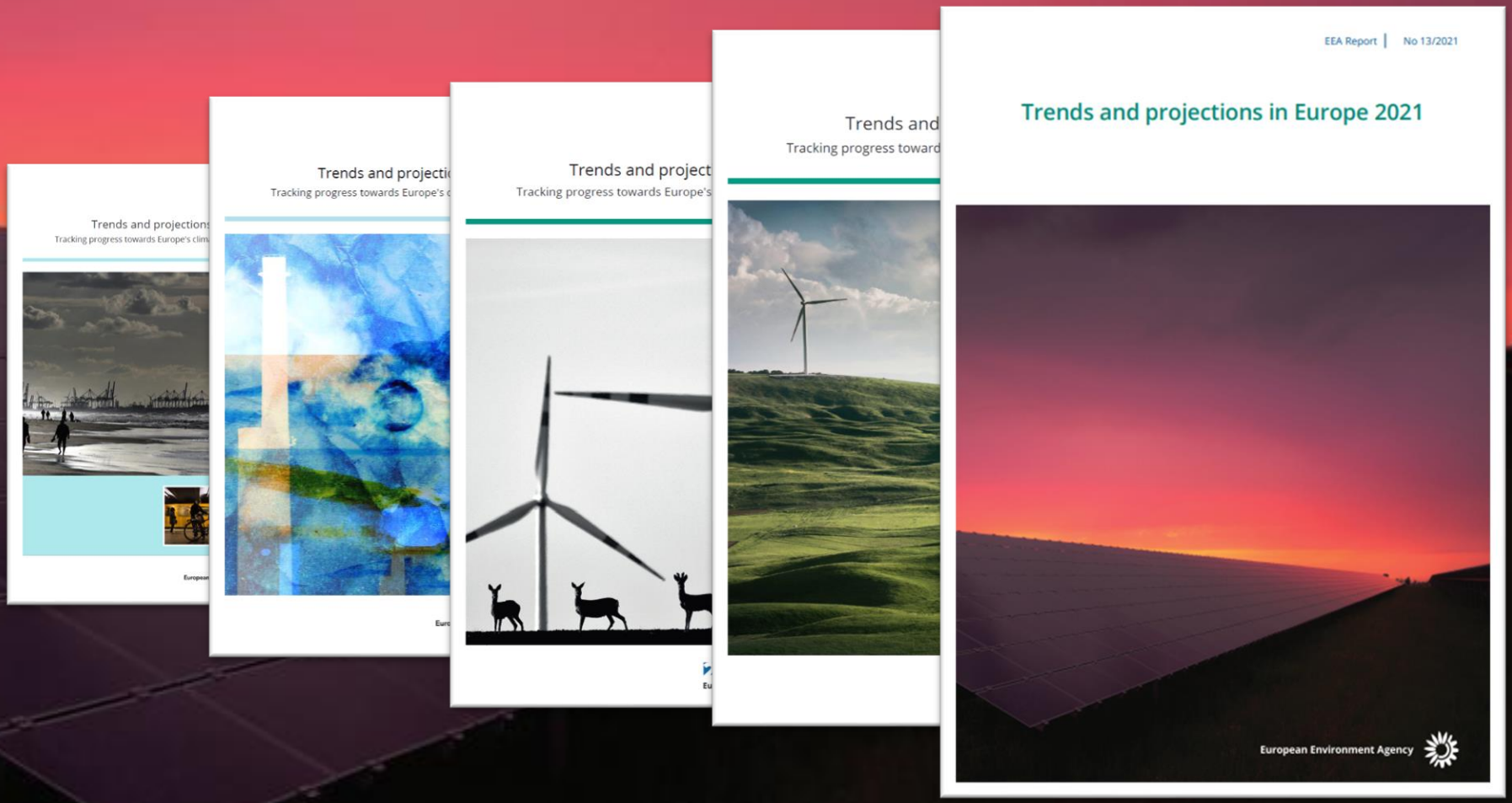
Trends and Projections in Europe 2021



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Melanie Sporer, EEA | EU4CLIMATE meeting | 30 November 2021

European Climate Law

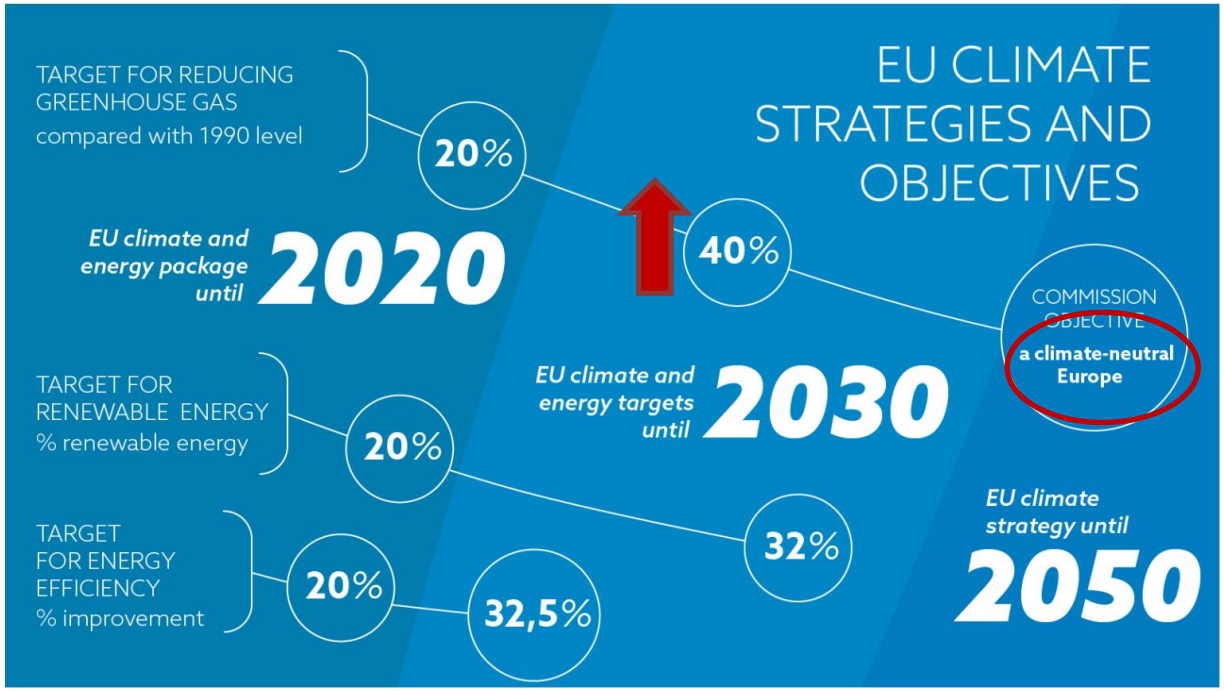


Image © EU2019.FI

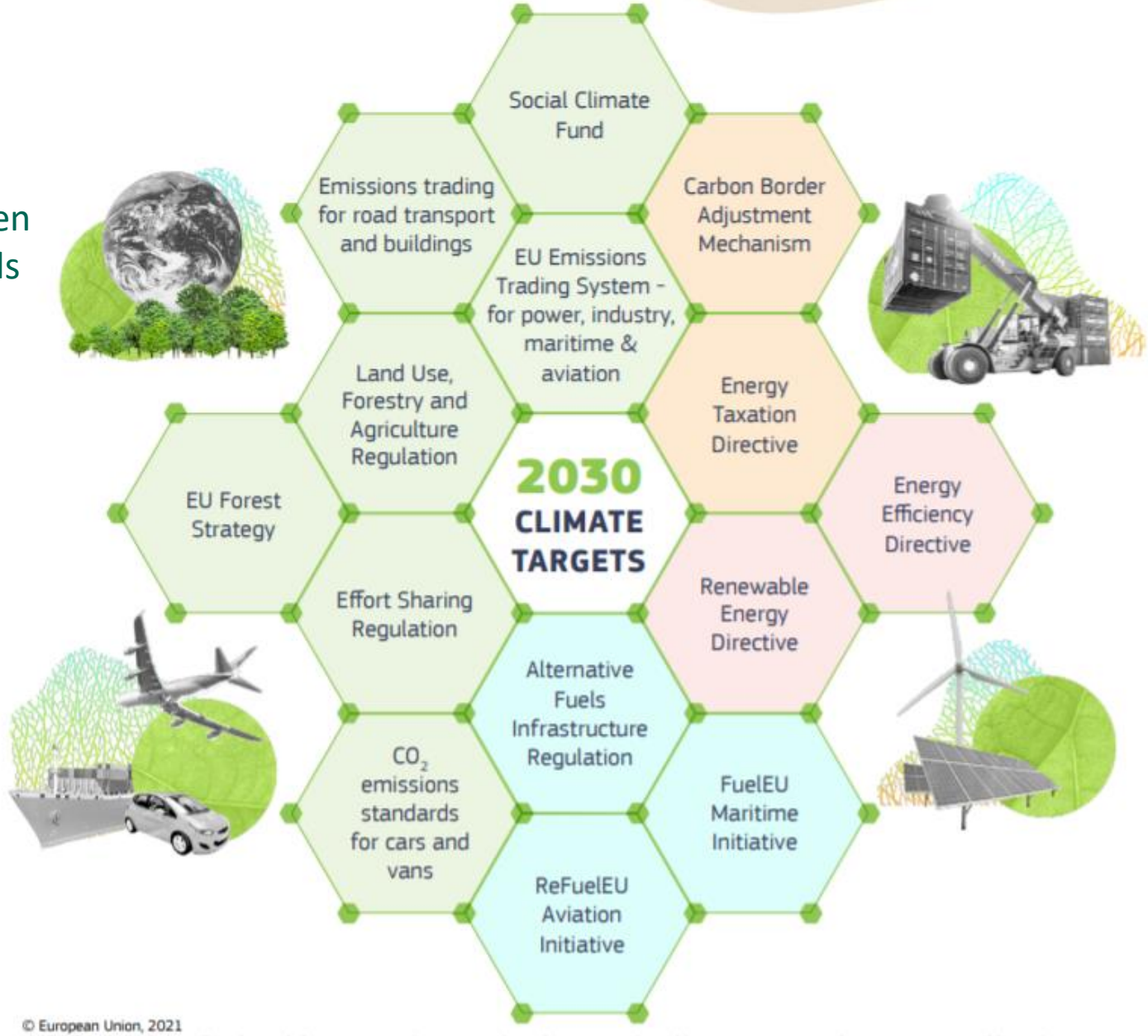
- **Binding EU climate target** for reducing net GHG emissions by at least **55% by 2030 compared to 1990**
- **Climate-neutral EU by 2050**

- **Limit of 225 Mt CO2 eq to contribution of removals** to target, aiming to achieve higher volume of carbon net sink by 2030
- **European Scientific Advisory Board on Climate Change, hosted by EEA**; provide independent scientific advice; produce reports on EU measures, climate targets and indicative greenhouse gas budgets

Fit for 55 policy package

Delivering the European Green Deal with legislative proposals for

- **climate,**
- **energy,**
- **land-use,**
- **transport and**
- **taxation**



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EEA Climate and Energy Indicators

- Total greenhouse gas emission trends and projections in Europe
- Share of energy consumption from renewable sources in Europe
- Use of renewable energy for transport in Europe
- Primary and final energy consumption in Europe
- Progress to national greenhouse gas emission targets in Europe
- Greenhouse gas emissions from transport in Europe
- CO2 performance of new passenger cars in Europe
- CO2 performance of new vans in Europe
- New registrations of electric vehicles in Europe
- Emissions of air pollutants from transport
- Emissions and energy use in large combustion plants in Europe
- Heating and cooling degree days
- Greenhouse gas emissions from energy use in buildings in Europe
- Greenhouse gas emission intensity of fuels and biofuels for road transport
- Greenhouse gas emissions from agriculture in Europe
- Greenhouse gas emissions from LULUCF in Europe

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Dimensions of the Trends and Projections report

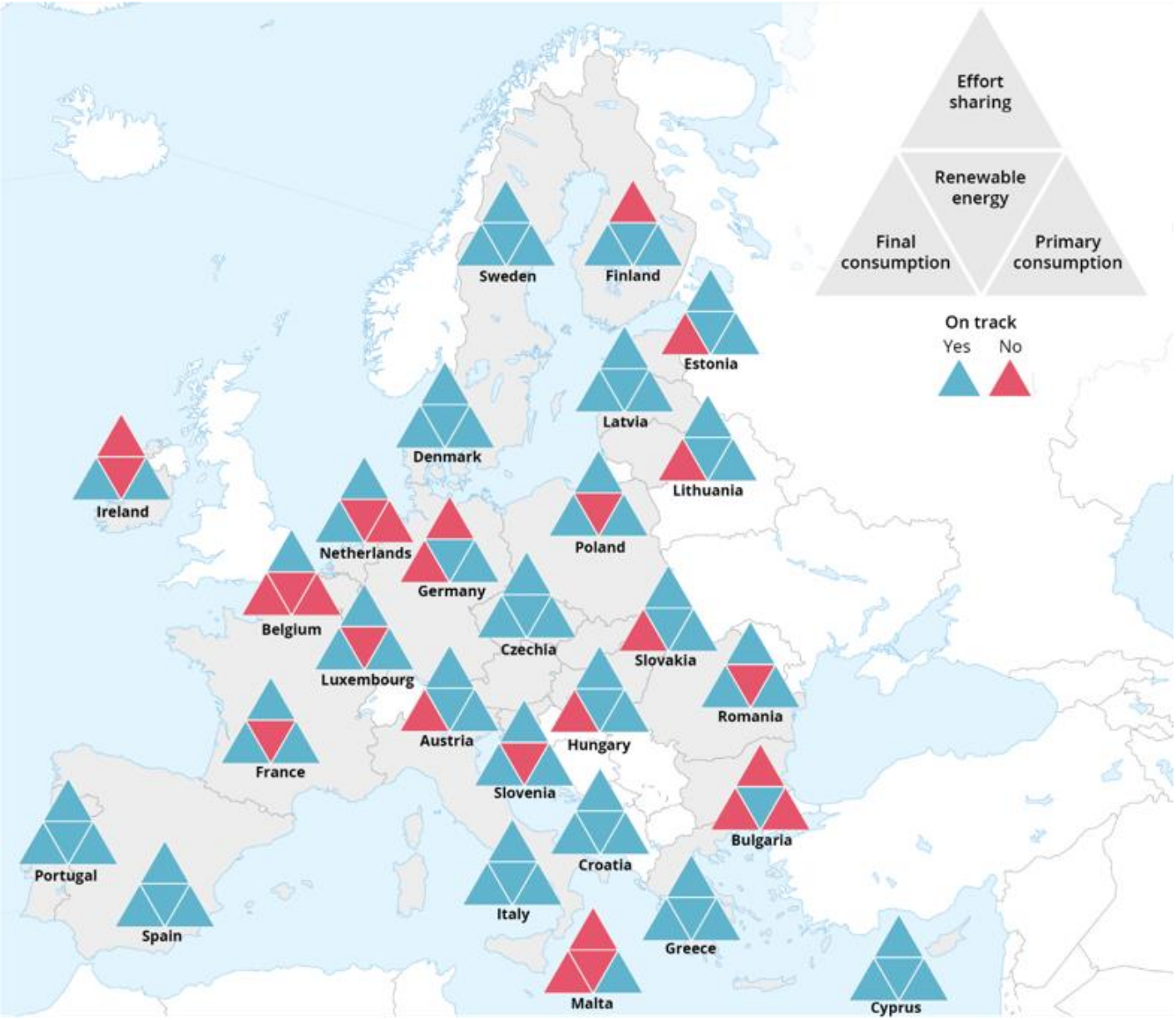
Topics
- Climate change mitigation
- Renewable energy deployment
- Energy efficiency improvements

Perspective
- Historic developments
- Future projections and prognoses

Timeline
- Short term – 2020 targets
- Medium term – 2030 targets
- Long term – 2050 goals and scenarios

Geographic scope
- EU-27 (and EU-28) progress
- Member State progress
- Progress in EEA member countries

Tracking progress to climate and energy targets



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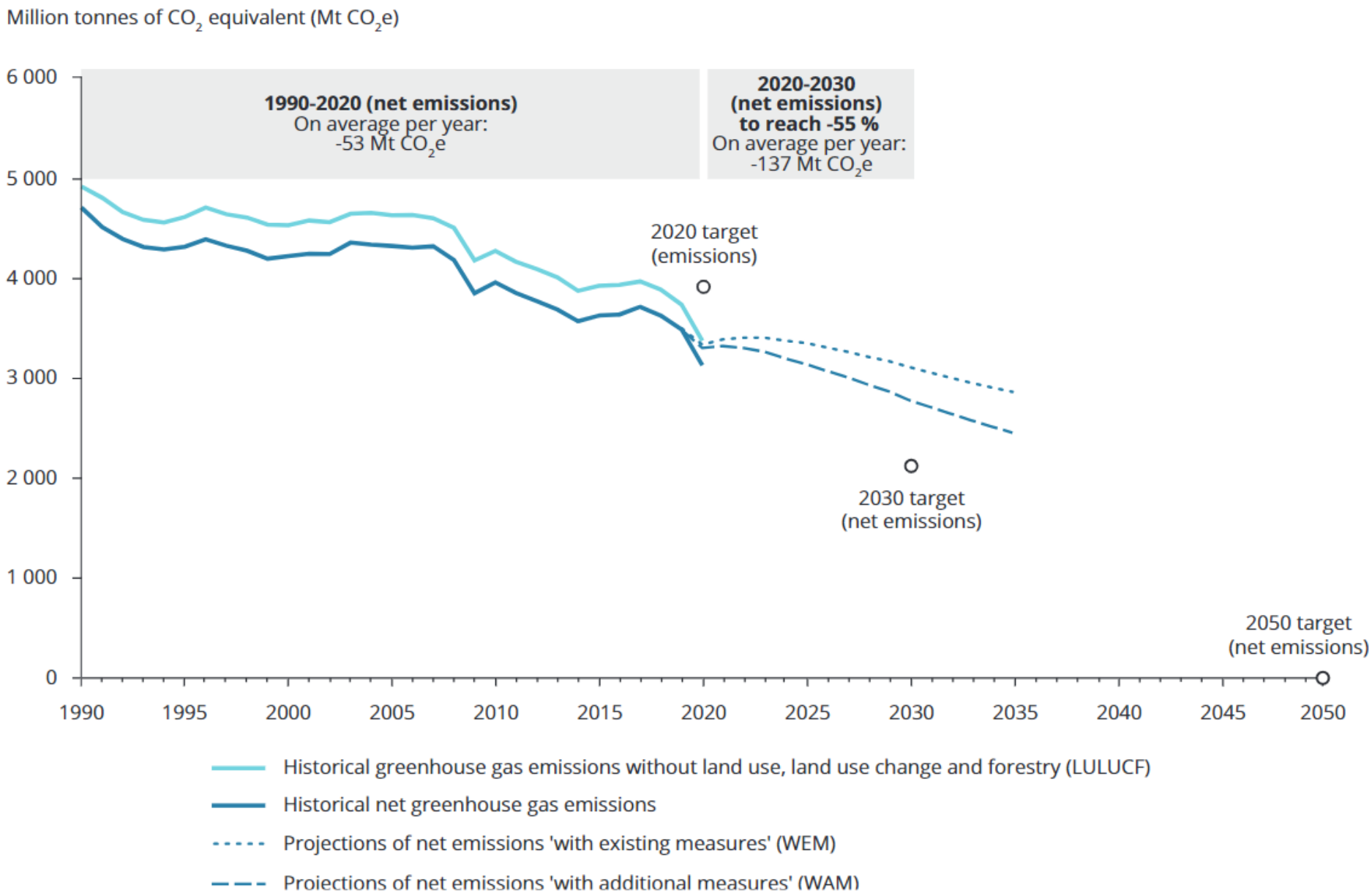
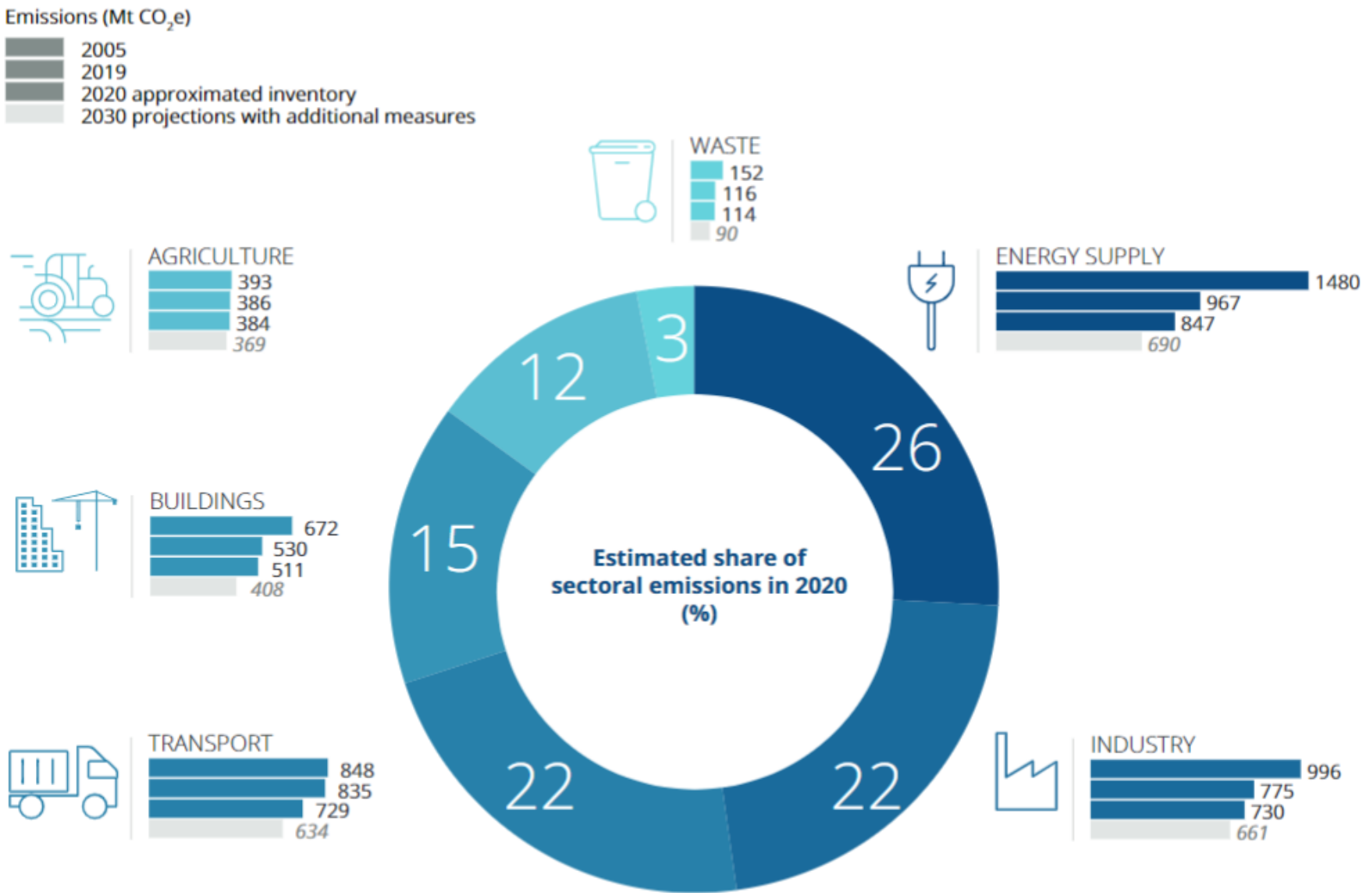
Policy area: Climate change mitigation

Image © C. Dustin on Unsplash

Tracking progress to the EU's climate targets



Sectoral greenhouse gas emission trends



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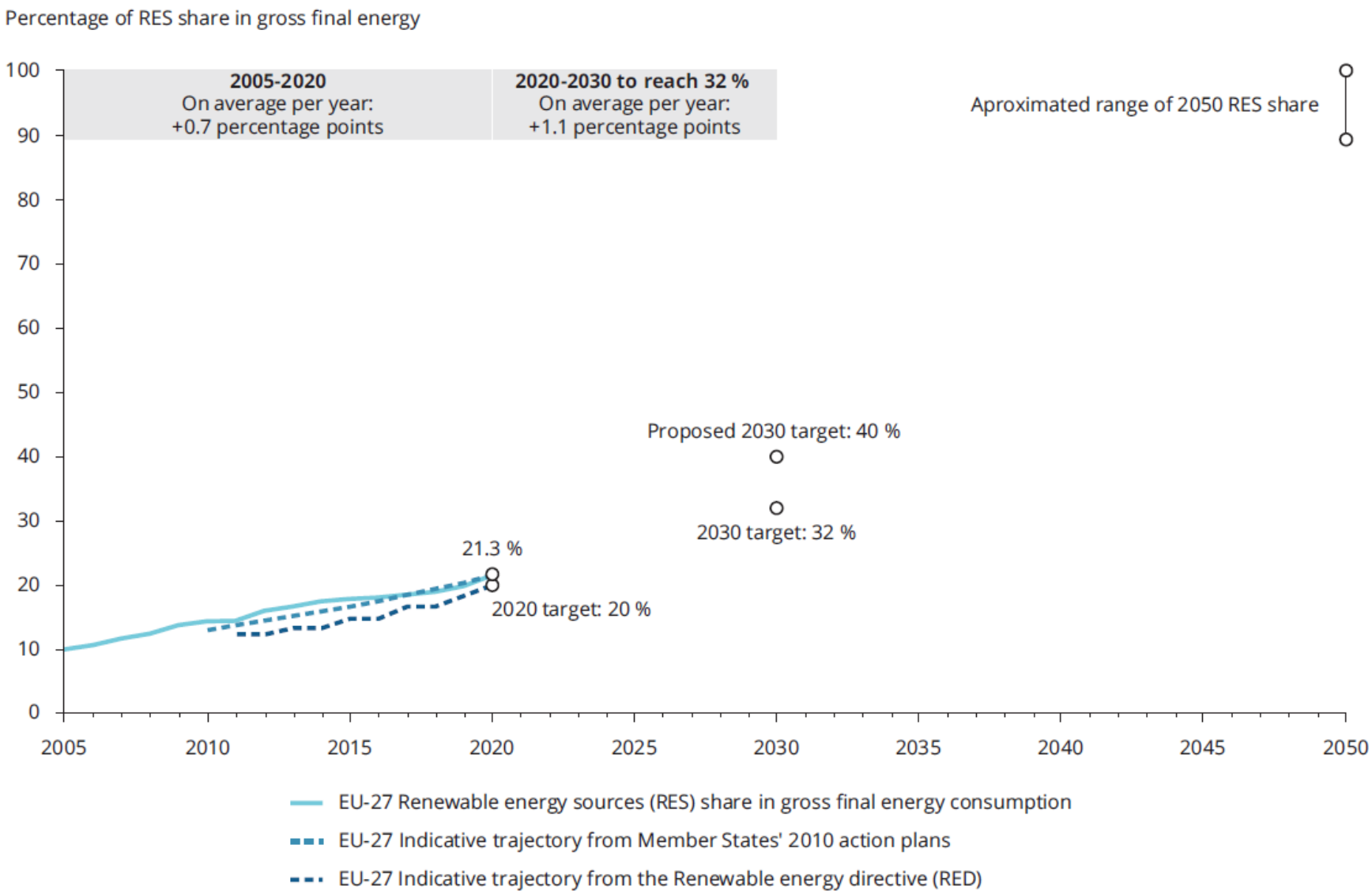
Policy area: Renewable energy

Image © Sander Weeterling on Unsplash

Tracking progress to the EU's renewable energy targets



Policy area: Energy efficiency

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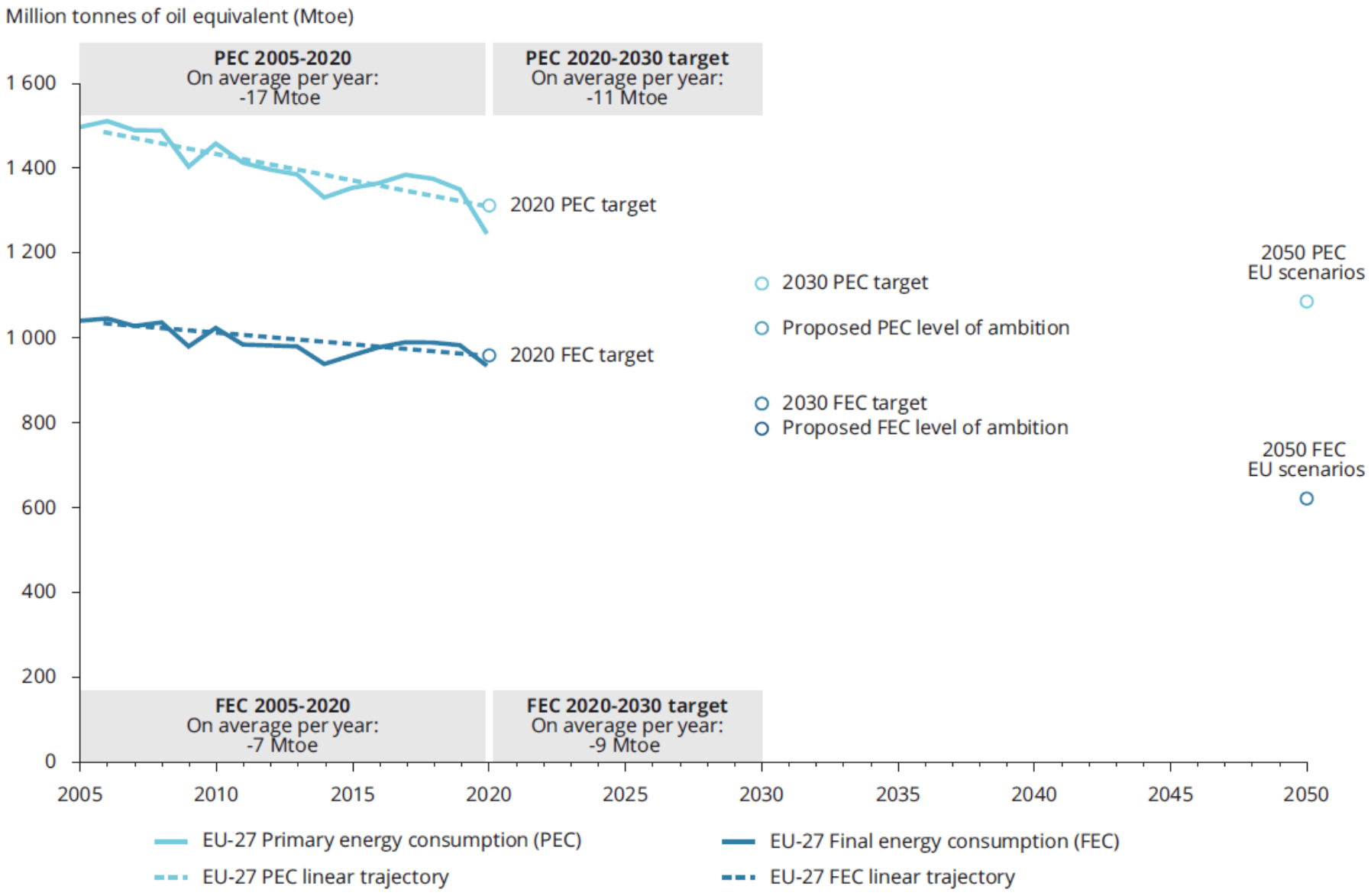
Tracking progress to the EU's energy efficiency targets



EEA's October 2021 climate and energy package

Reports

- Trends and Projections in Europe 2021
- Technical background report

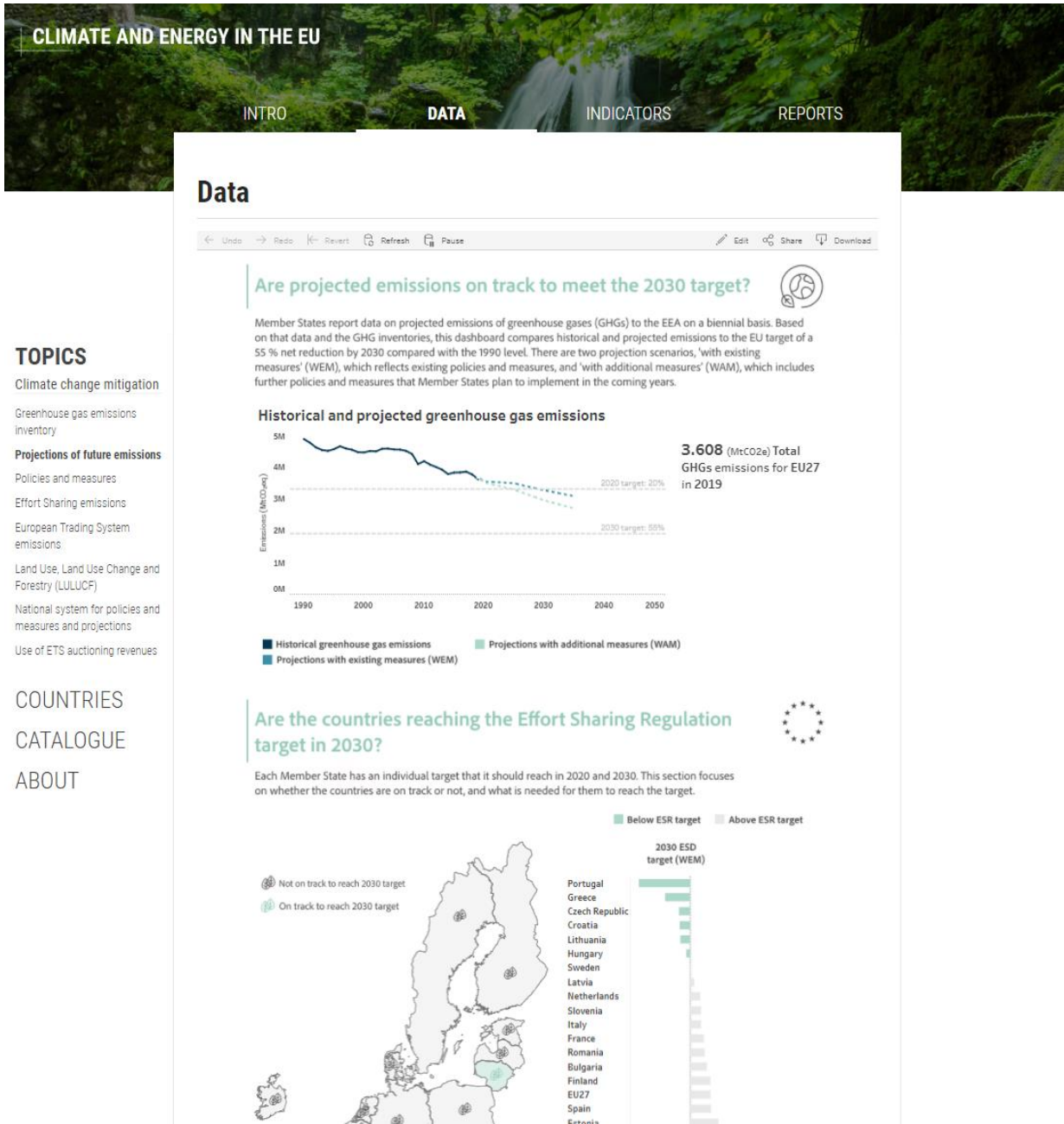
Indicators

Data

- Preliminary data on EU greenhouse gas emissions in 2020
- Preliminary data on EU renewable energy shares in 2020
- Preliminary data on EU energy efficiency in 2020
- Data on national greenhouse gas emissions projections

New website

- Climate-energy.eea.europa.eu



Thank you!
European Environment Agency