

Guarantees of Origin: Current developments

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Guarantees of Origin





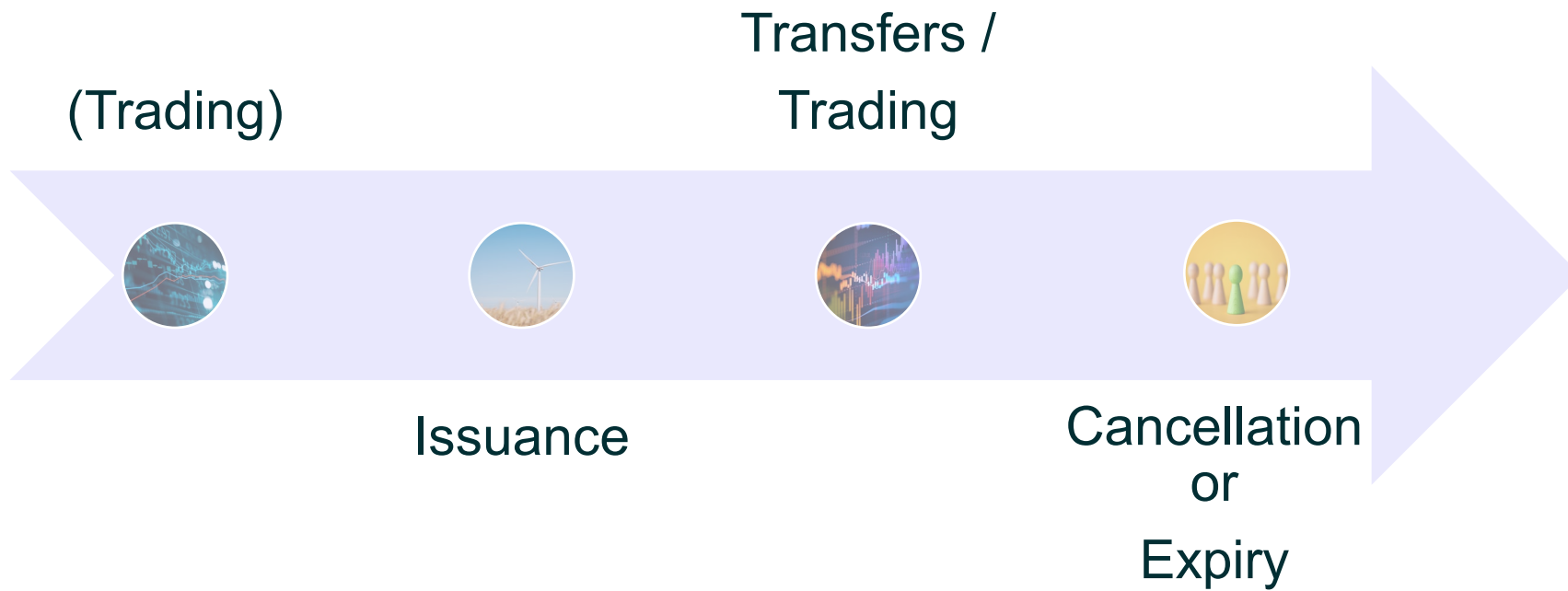
A market based instrument for green transition

- The only way to make renewable claims in the EEA
- Book and claim system
- Subject to European and national regulation
 - Standardization ongoing (CEN-EN 16325)
 - Several voluntary standards and sustainability initiatives
- AIB EECS and Gas Scheme
- Traded
 - Mostly Over The Counter
 - Also primary and secondary auctions





Lifecycle of a Guarantee of Origin





Changing regulatory landscape

- Renewable Energy Directive III
 - GO for power, biogas, hydrogen as well as heating and cooling
 - Possibility for hourly matching
 - More accessible PPAs
- Renewable Fuels of Non-Biological Origin (RFNBO)
 - Calls for hourly matching
- Increased pressure for use of GO for corporate actors
 - CSRD and ESRS
 - Green Claims Directive
 - Taxonomy



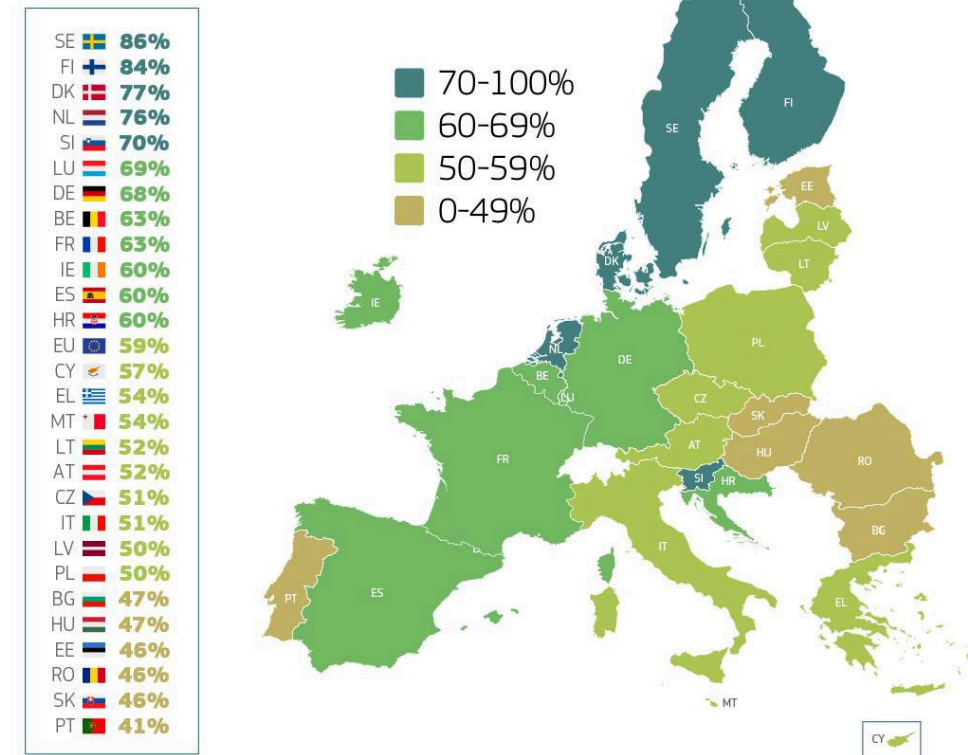
Demand



Consumer driven demand

- Regulation and demand driven market
- ESRS and EU taxonomy bring Guarantees of Origin to the core of decision making
 - European Investment Bank guidelines
- Demand drivers:
 - Willingness to make green claims
 - Demands from voluntary initiatives like RE100 or Science Based Targets Initiative
 - Sustainability reporting requirements and increased transparency

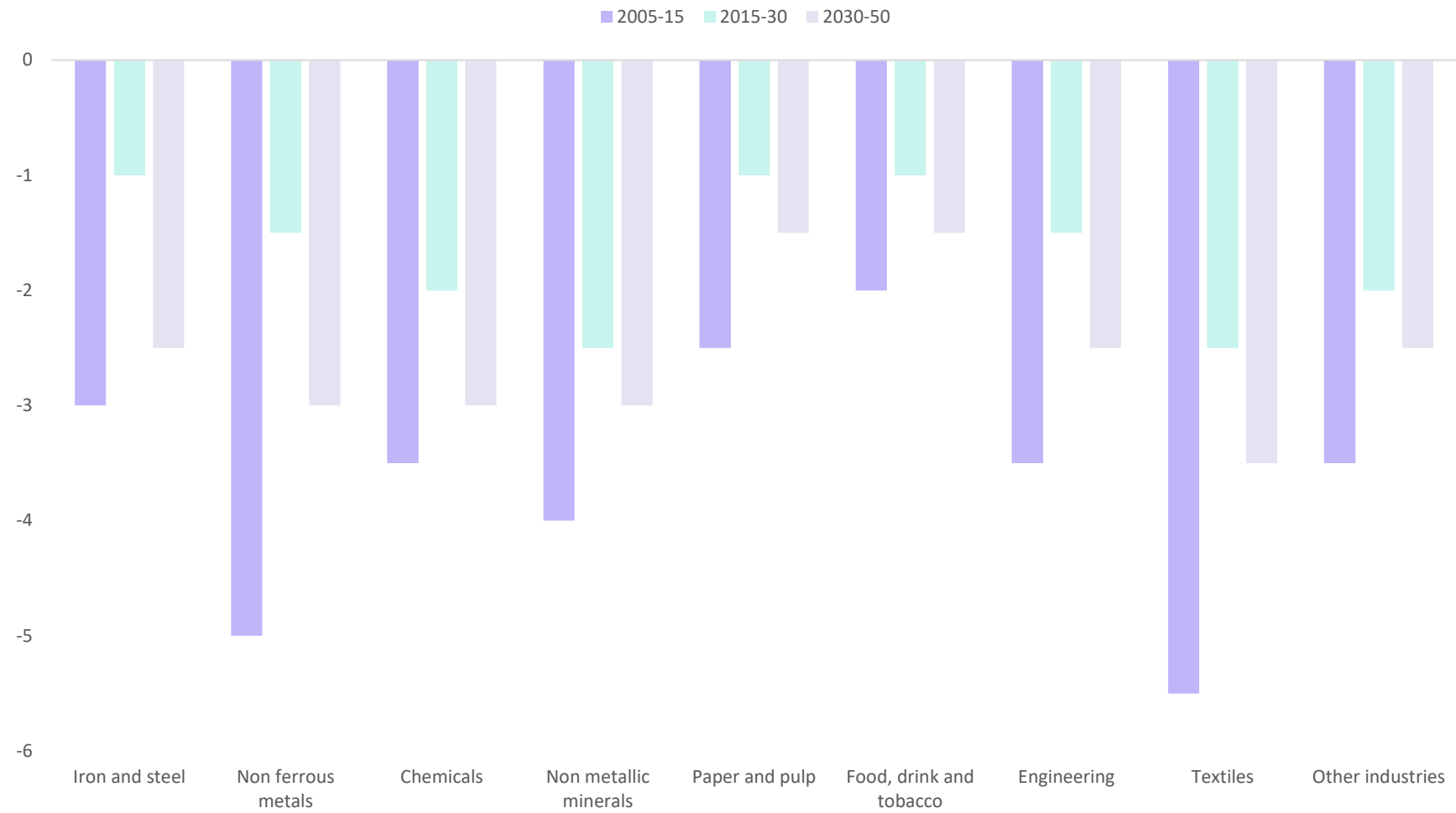
% that would pay a higher price for products that are easier to repair, recyclable and/or produced in an environmentally sustainable way



Source: Eurobarometer 2024: Attitudes of Europeans towards the environment



Annual % change in energy consumption by sector

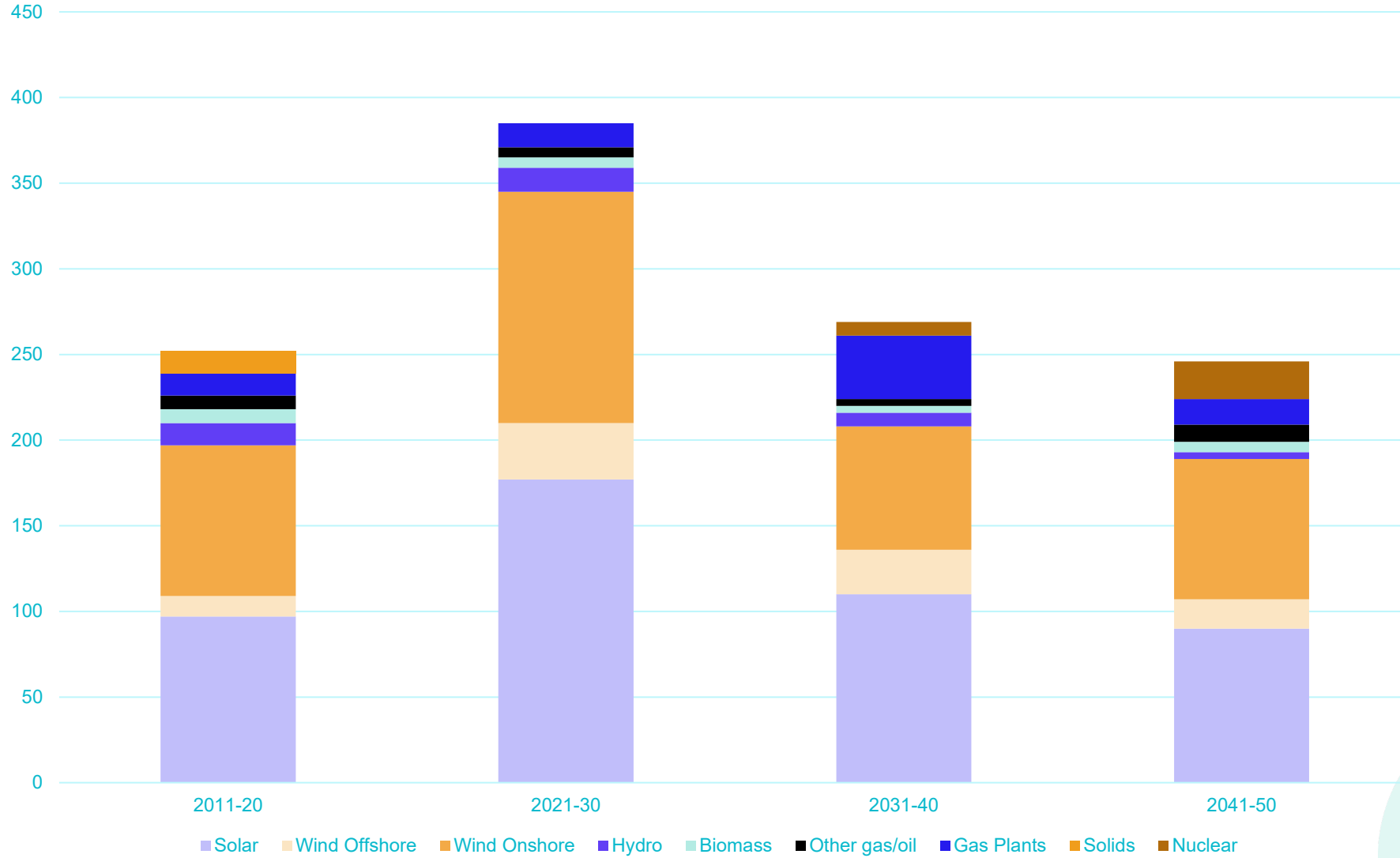


Supply



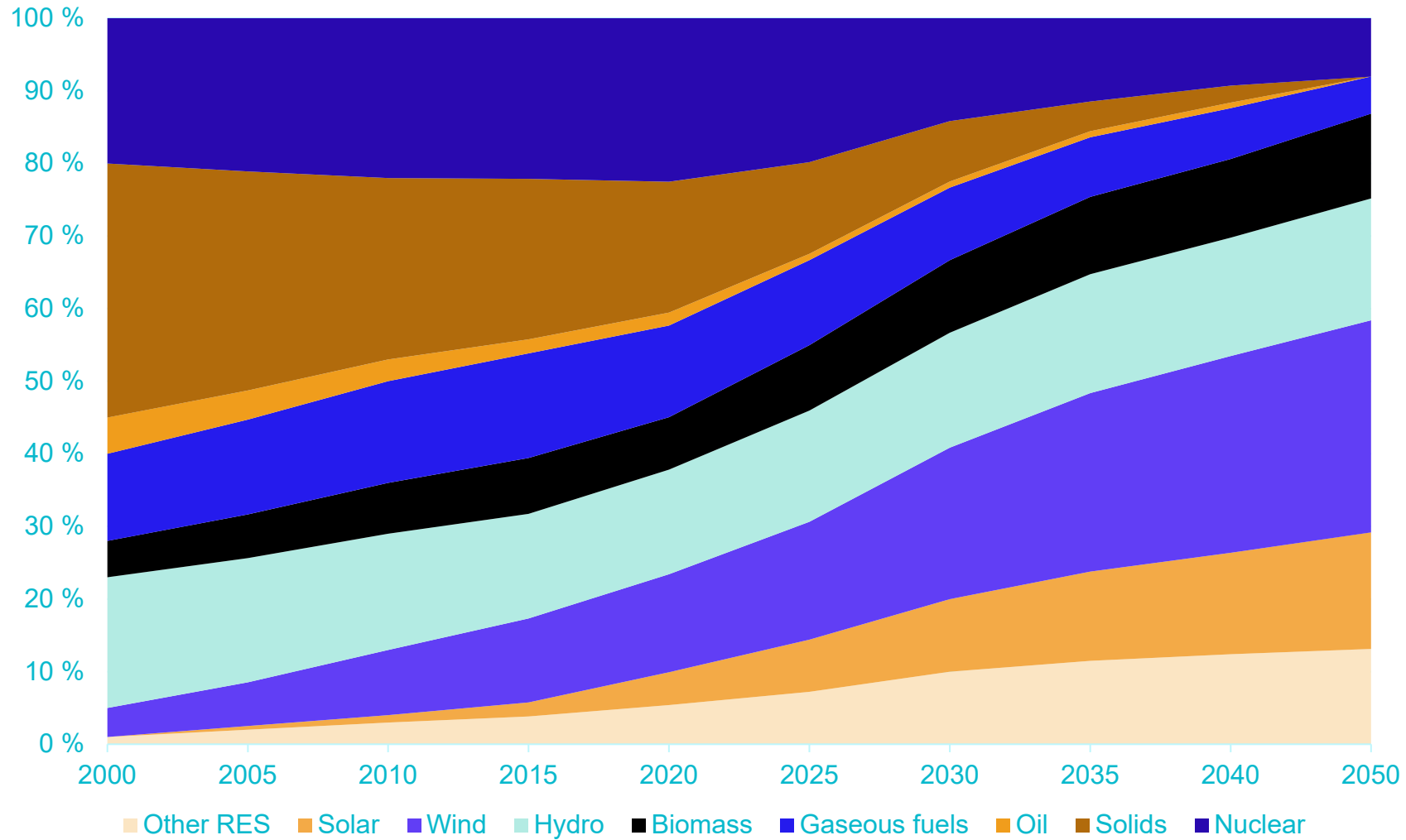


Investments (Capacity) by source



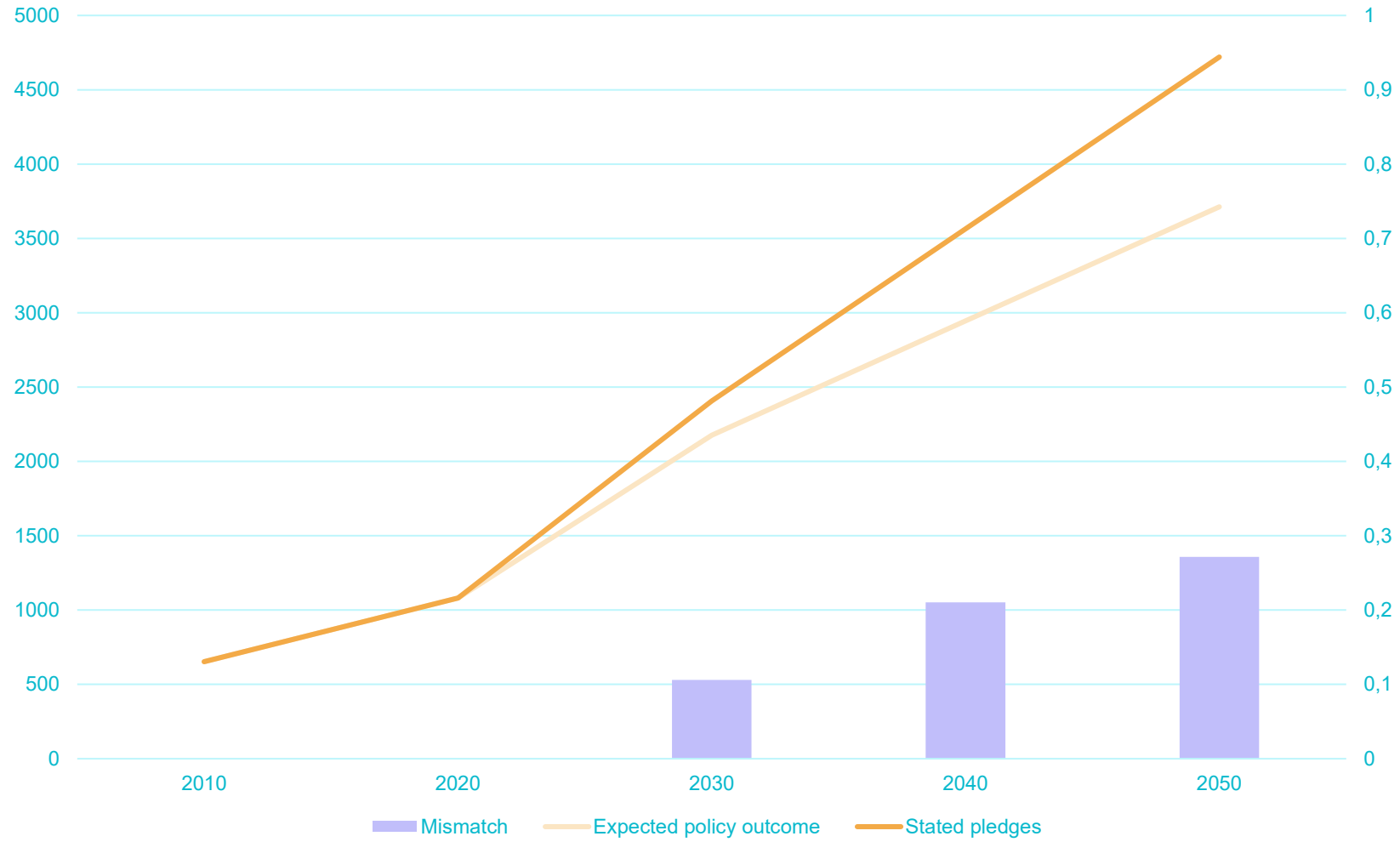


Electricity generation in Europe by type

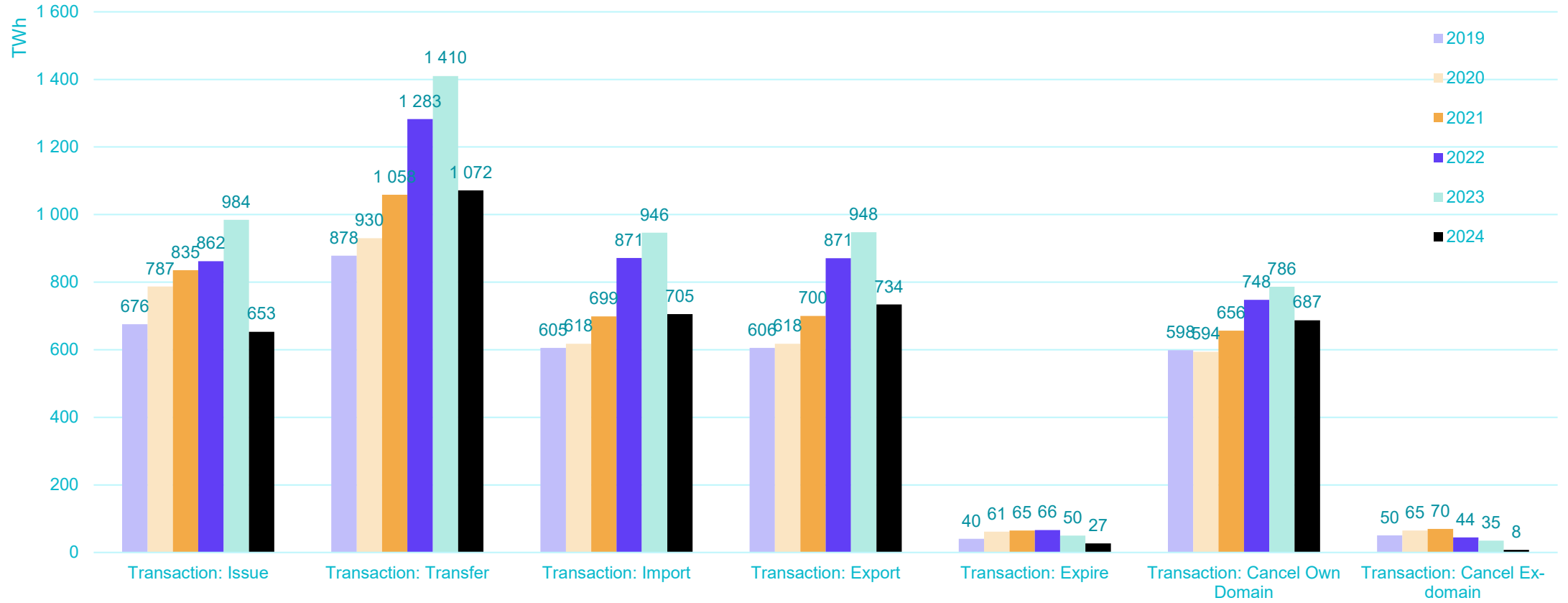




RENEWABLE GENERATION IN THE EU

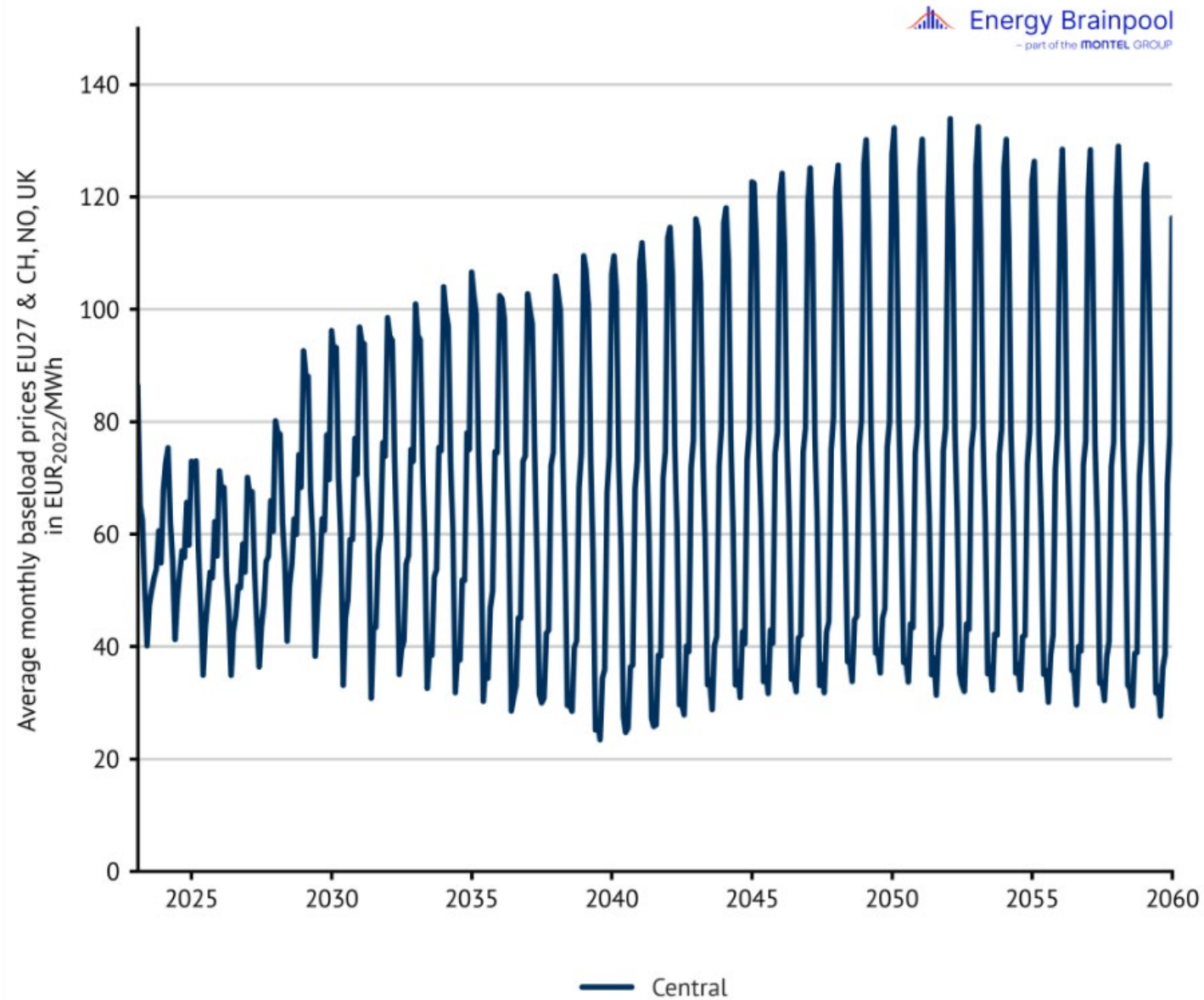


ANNUAL EECS TRANSACTIONS IN TWH (BASED ON TRANSACTION DATE)





MONTHLY PRICE DEVELOPMENTS FORECAST



The market impact





Market development



Thank you!

Questions?

Comments?

Don't be a stranger!

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