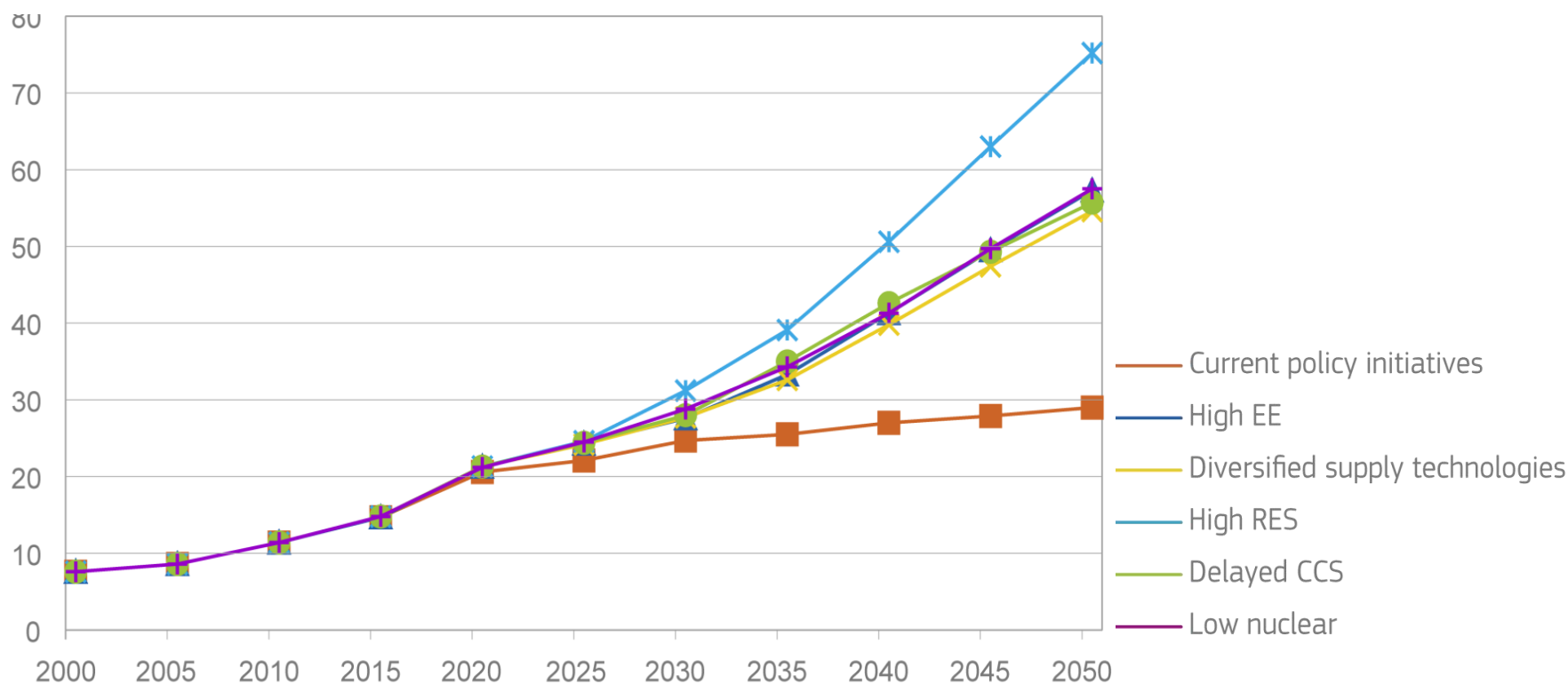


# Renewable energy beyond 2020



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## 2050 Energy Roadmap: Renewable Energy as "no regrets option"



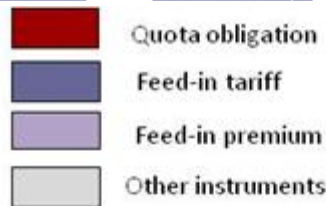
The share of RES achieves at least 55% in gross final energy consumption in 2050, up 45 percentage points from today's level at around 10%.

# The European energy strategy: what's already on the table?

- Renewables Directive: mandatory targets, national plans grid rules...
- ETS, reflecting a carbon price to achieve the cap.
- National (non ETS) emissions reductions strategies and measures
- 3<sup>rd</sup> package: unbundling, harmonised grid operation rules, network codes etc.
- TEN-E priorities and project support
- Infrastructure package: CEF proposal, planning reforms
- Smart grids
- Energy Efficiency Measures (including ESCOs)
- SET plan/R&D/CCS
- Institutionally: ENTSOs, ACER, CEER...
- Development of the longer term framework: 2050, 2030...

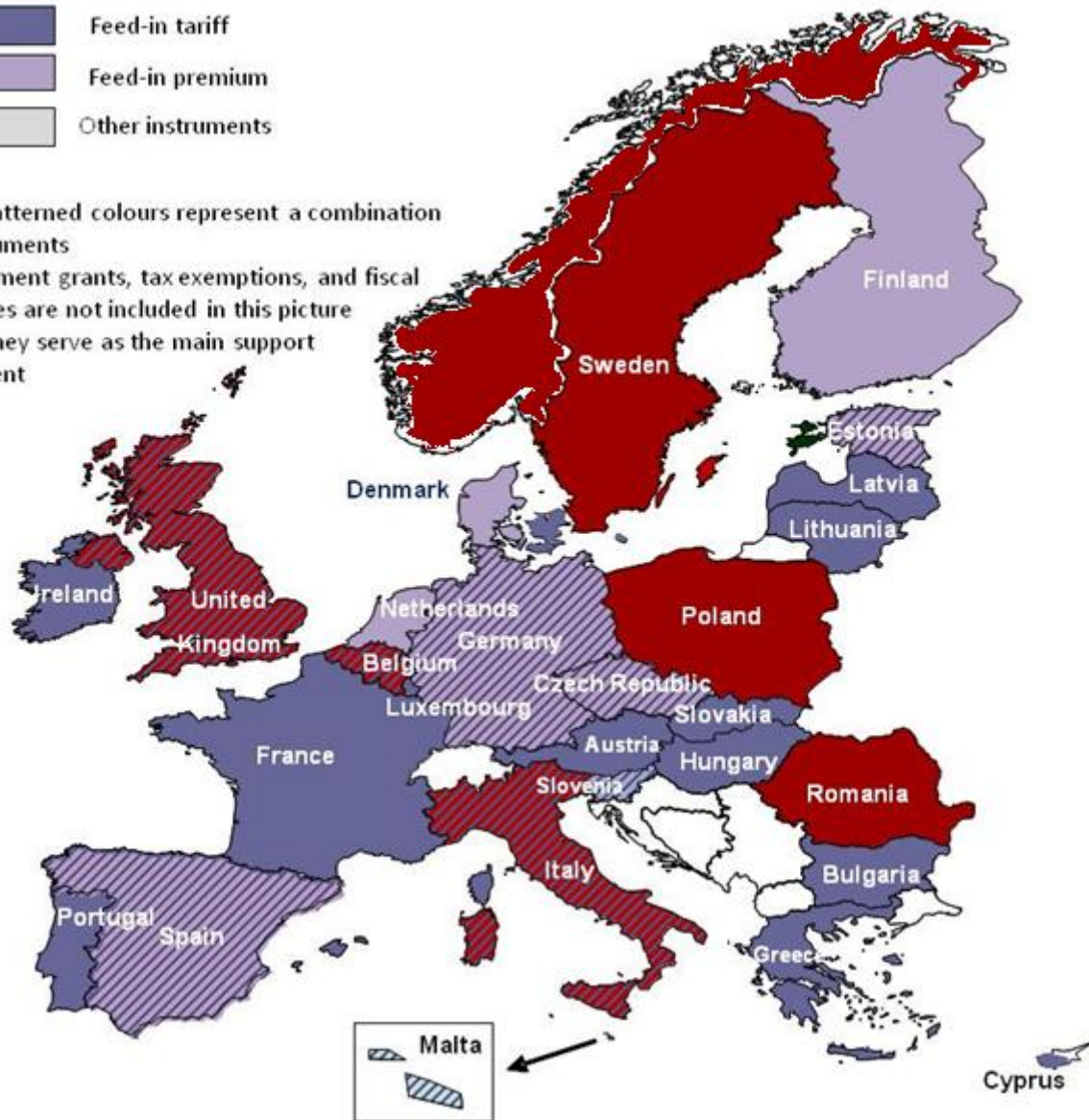


With a fully functioning single market, we can better integrate renewables – reducing the patchwork, reducing/phasing out support, ensuring fair equal treatment.

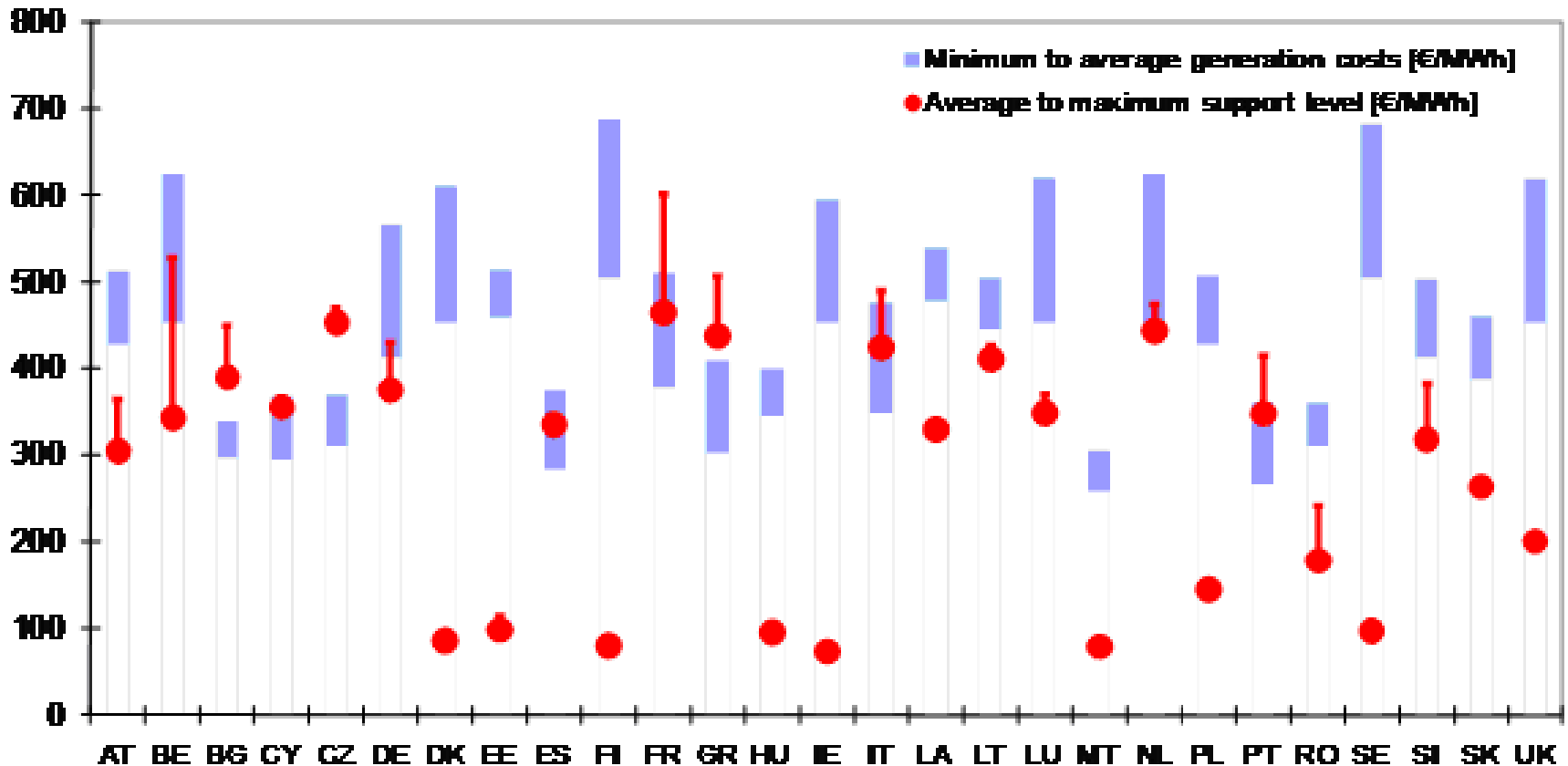


Notes:

- 1) The patterned colours represent a combination of instruments
- 2) Investment grants, tax exemptions, and fiscal incentives are not included in this picture unless they serve as the main support instrument



## Sometimes costs differ:



● and support levels also diverge from costs... (PV)

# The financing framework

- National support:

- » Instruments are modified, reformed, reviewed every year, sometimes smoothly, sometimes less smoothly...

- changes

- » Tariffs
- » Duration
- » Eligible technologies
- » Volume quotas
- » Budgets
- » Premium structure
- » ....

- ❖ Common treatment of technologies?

- ❖ Common assessment of costs?

- It's a lot for investors to manage



[http://ec.europa.eu/energy/renewables/index\\_en.htm](http://ec.europa.eu/energy/renewables/index_en.htm)

Thank you for your attention

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