



Workshop

Ausgewachsen – Wirtschaften als gäbe es ein Morgen

Alexandr Hobza

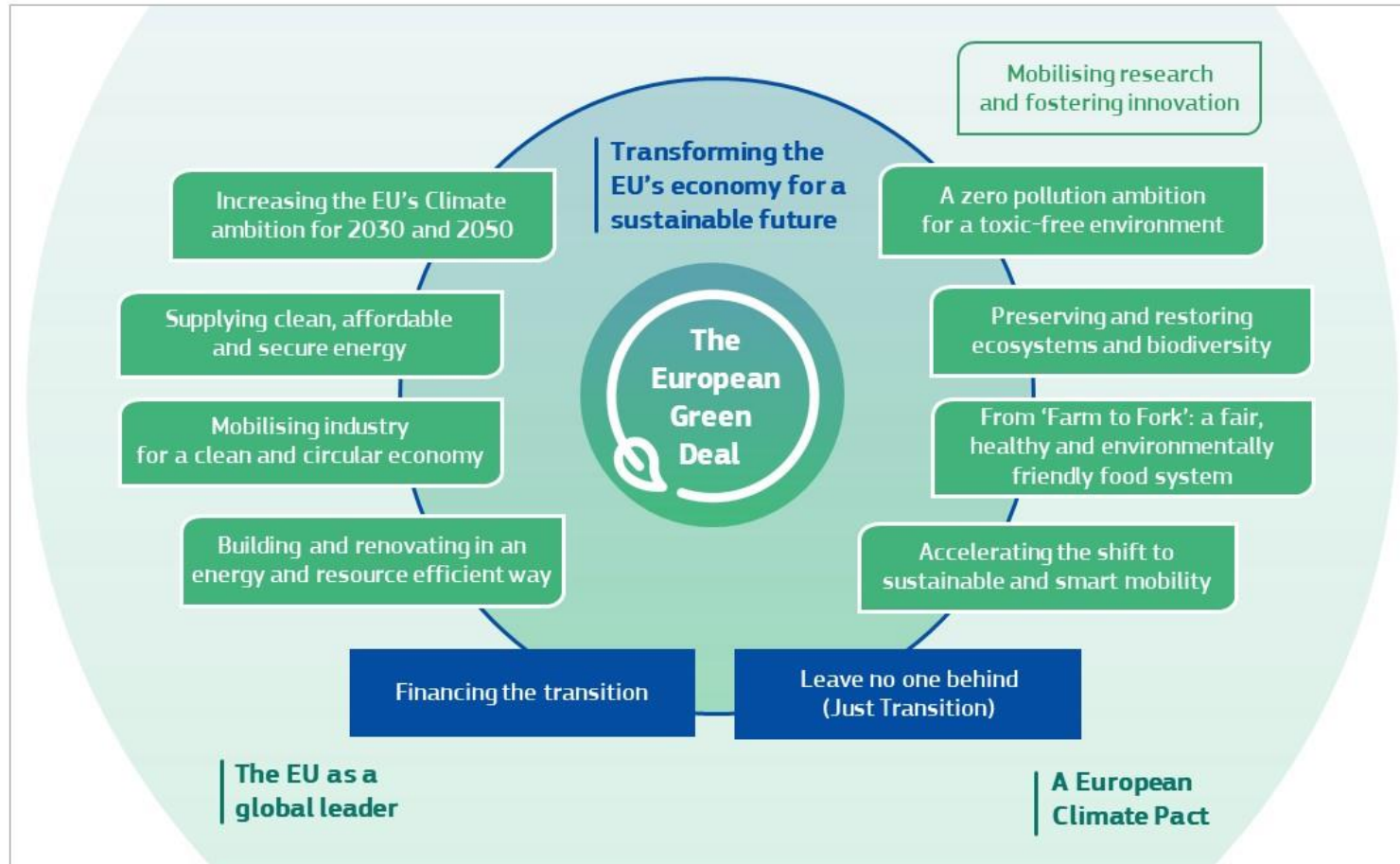
Chief Economist Unit – R&I strategy & foresight

DG Research and Innovation

European Commission

23.11.2022

The European Green Deal

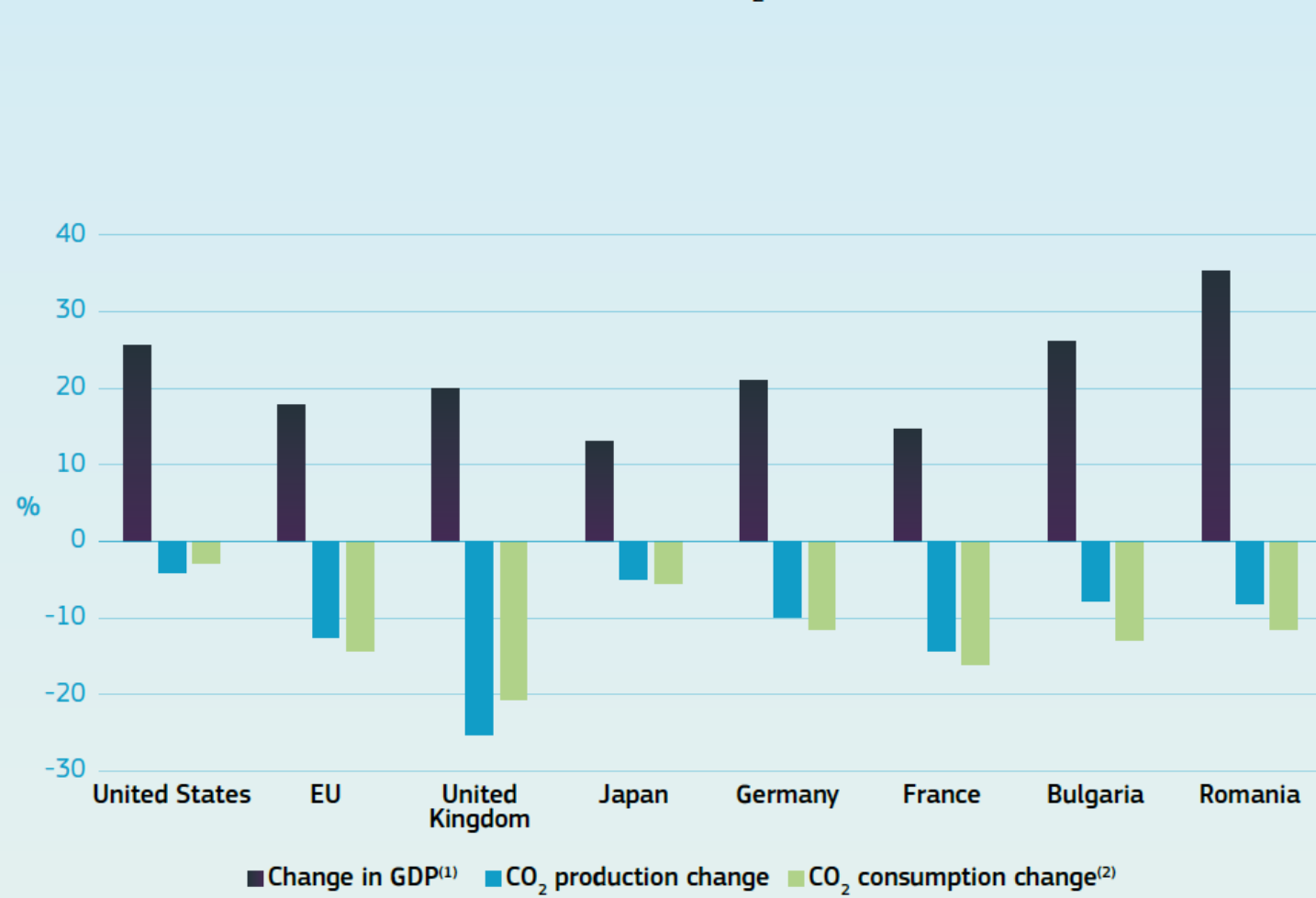


Plan to transform the EU into a modern, resource-efficient and competitive economy, ensuring:

- no net emissions of greenhouse gases by 2050
- **economic growth decoupled from resource use**
- no person and no place left behind

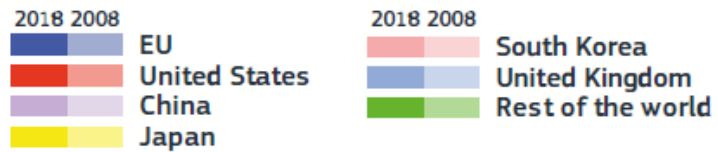
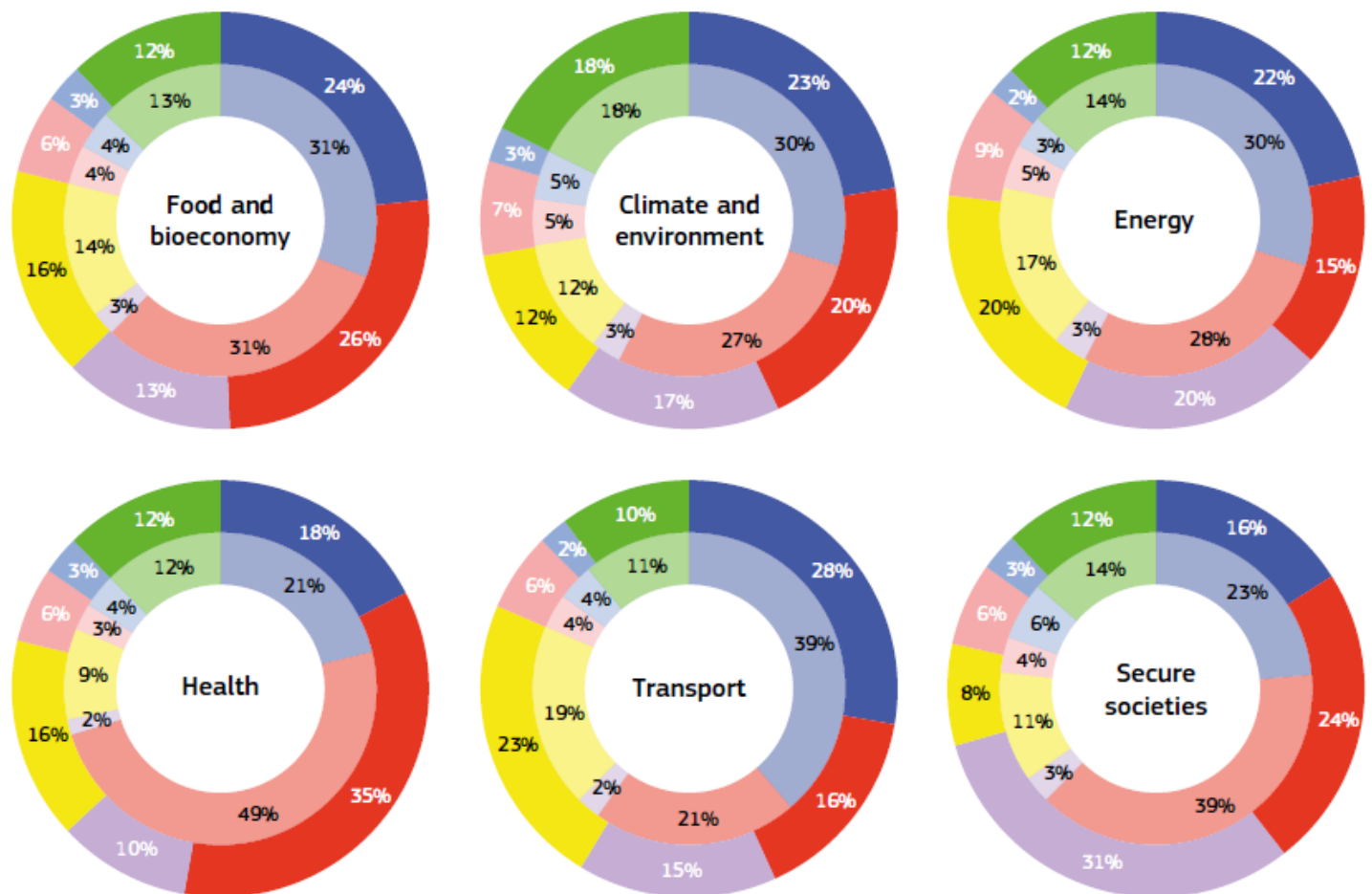
Productivity, innovation and green transition

Figure 4.1-2: Percentage change in GDP and CO₂ emissions between 2009 and 2019



Increasing economic prosperity while reducing CO₂ emissions is possible

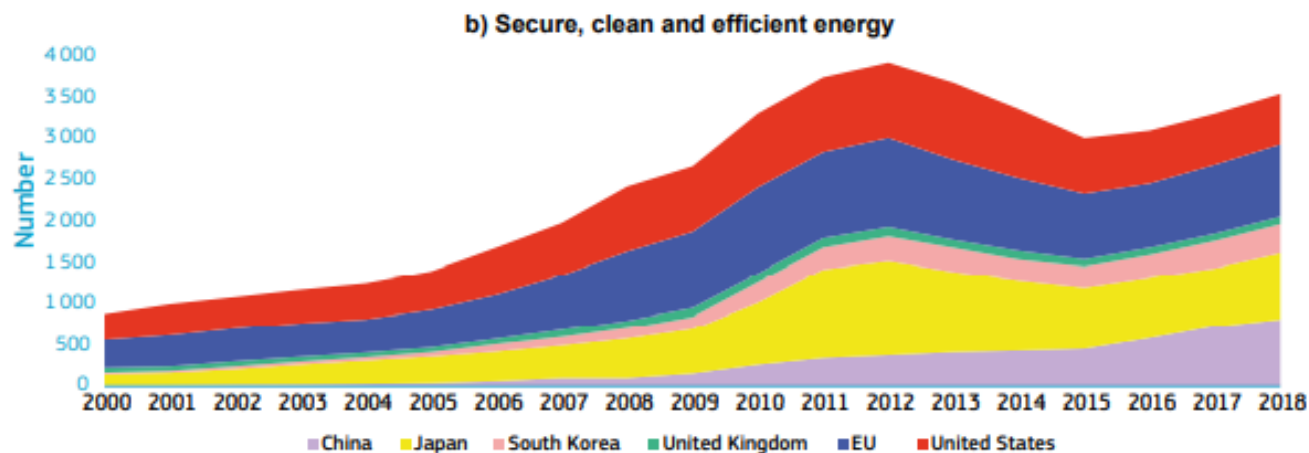
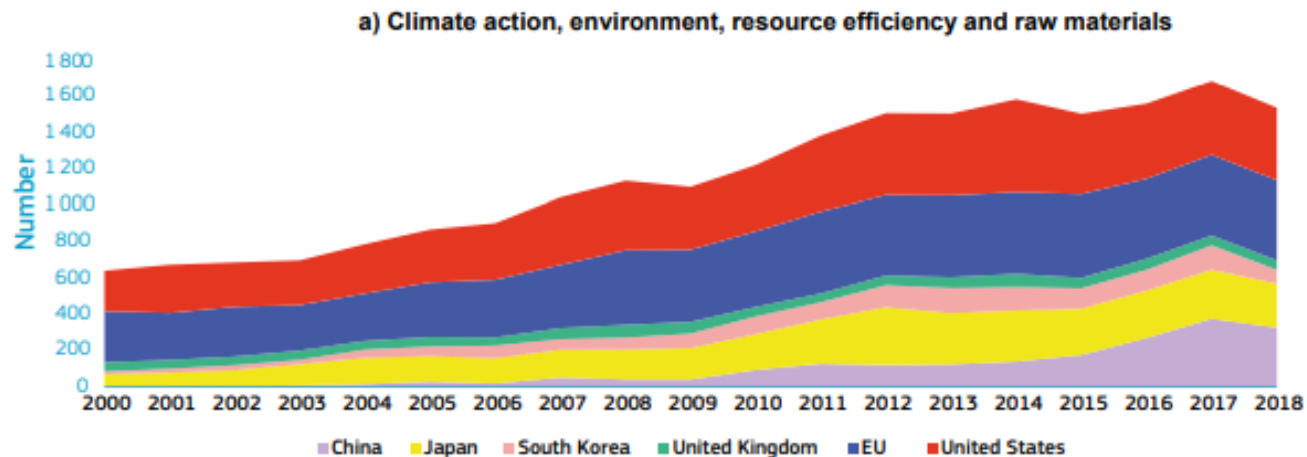
Figure 6.3-15: Share in the world (%) of patent applications filed under the PCT⁽¹⁾ by country/region and Horizon 2020 Societal Grand Challenge, 2018 (exterior) and 2008 (interior)



R&I and societal challenges

The EU remained the top worldwide patent applicant in the fields of climate & environment, energy and transport.

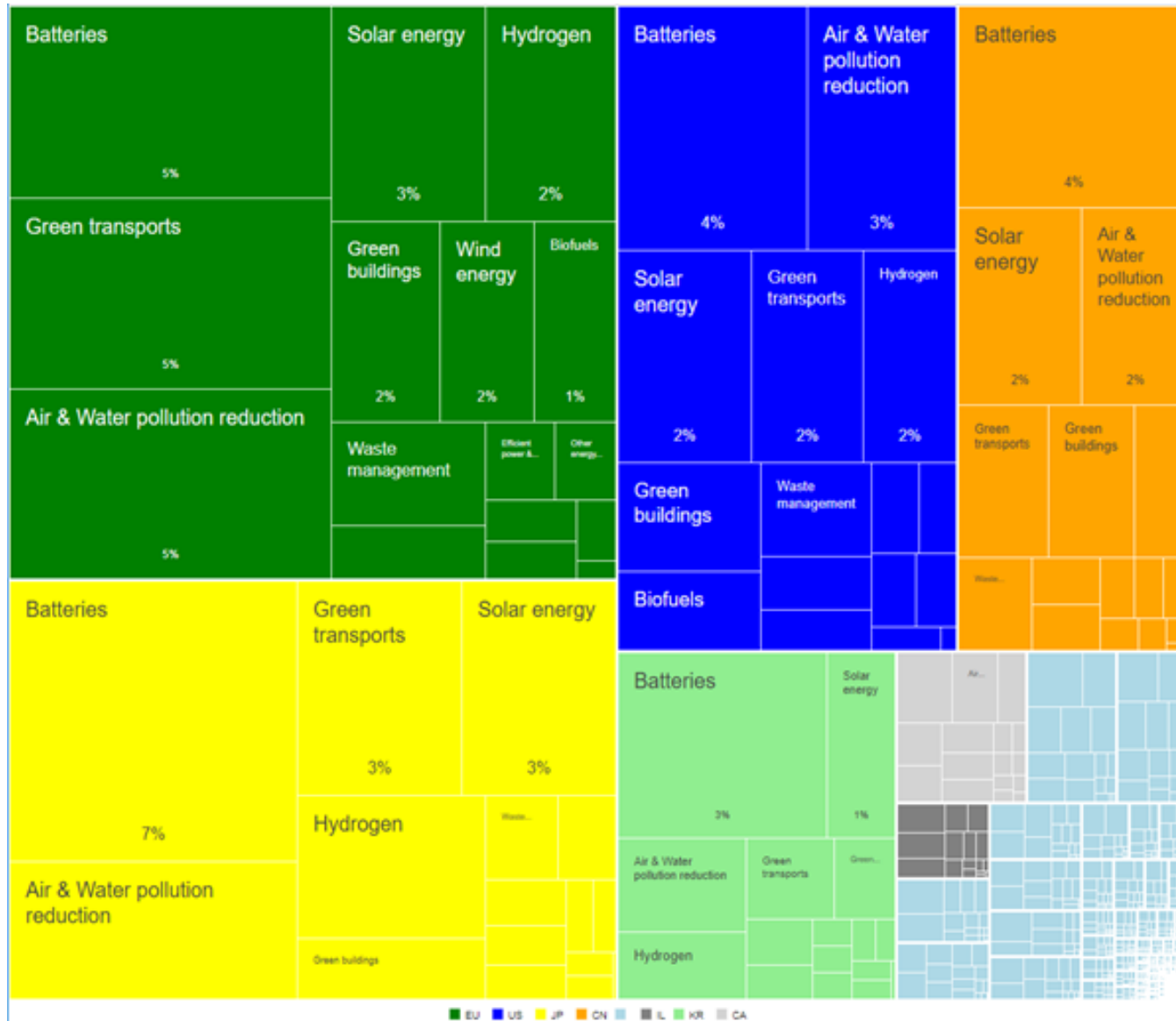
Figure 3-9: Evolution of number of patent applications⁽¹⁾ filed under PCT in climate action, environment, resource efficiency, raw materials and clean energy, 2000-2018



R&I and societal challenges (3)

There has been a global decline in clean and efficient energy patenting since the early 2010s, though more recently this trend has reversed

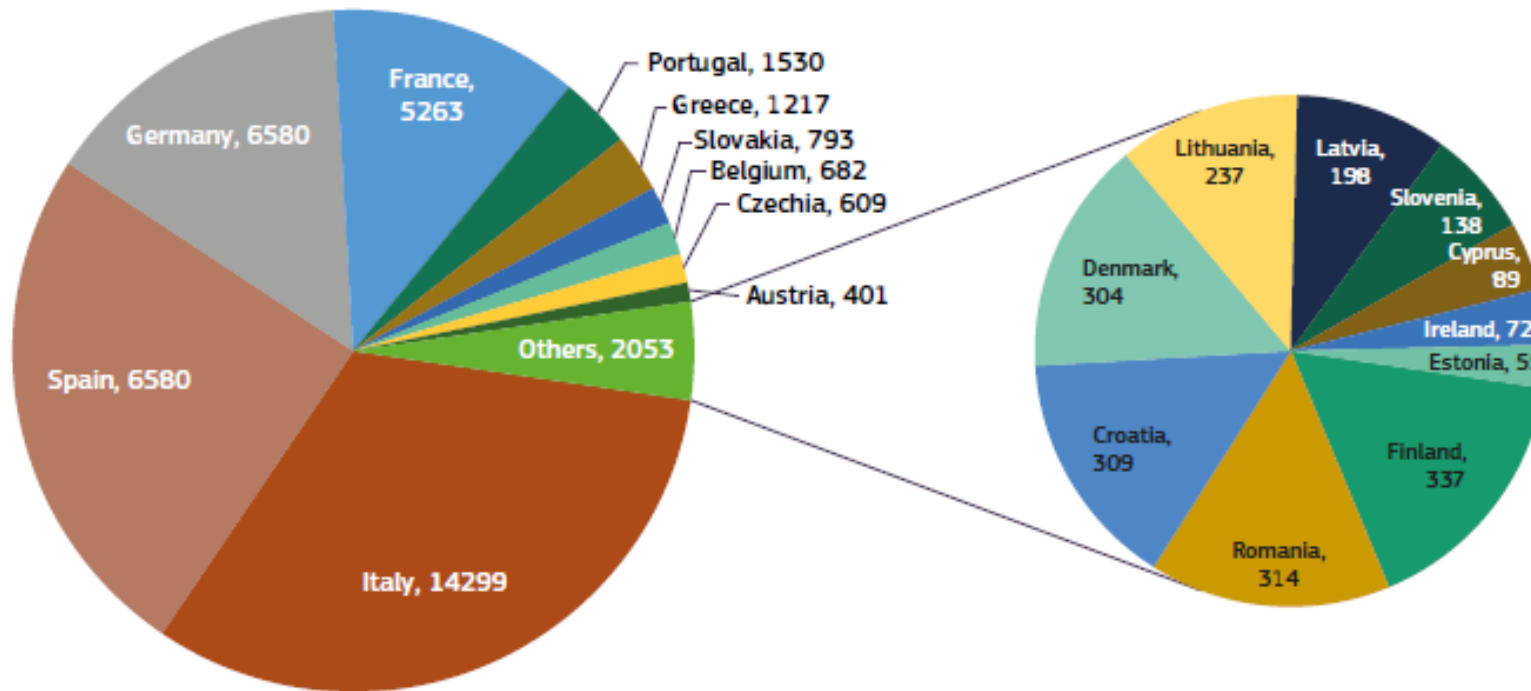
EU and the green transition



Source: European Commission, Industry 5.0 and the future of work: making Europe the centre of gravity for future good-quality jobs. ESIR policy brief 2022, forthcoming

R&I in the Recovery and Resilience Facility

Figure 1-15: Absolute expenditure allocation to R&I projects in Recovery and Resilience Plans per Member State (EUR million)



R&I is an indispensable component of the RRF, both to deliver on Europe's recovery and to make Europe's green and digital transformation a reality

Keep in touch



ec.europa.eu/



europa.eu/



[@EU_Commission](https://twitter.com/EU_Commission)



[@EuropeanCommission](https://www.facebook.com/EuropeanCommission)



[European Commission](https://www.linkedin.com/company/european-commission)



[europeancommission](https://www.instagram.com/europeancommission)



[@EuropeanCommission](https://www.medium.com/@EuropeanCommission)



[EUTube](https://www.youtube.com/EUTube)



[EU Spotify](https://www.spotify.com/eu)

Thank you



© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

Slide xx: **element concerned**, source: e.g. [Fotolia.com](https://www.fotolia.com/); Slide xx: **element concerned**, source: e.g. [iStock.com](https://www.istock.com/)

