

How to deliver on Norway's triple transition imperative

John-Arne Røttingen

22 March 2018





OECD 2017: Norway's triple transition imperative

1. A shift towards a more diversified and robust economy
2. Moving towards a more competitive, effective and efficient innovation system, with sufficient incentives and checks and balances for better performance in research and innovation.
3. Structural transformations must be achieved while supporting research and innovation that can address an array of societal challenges.



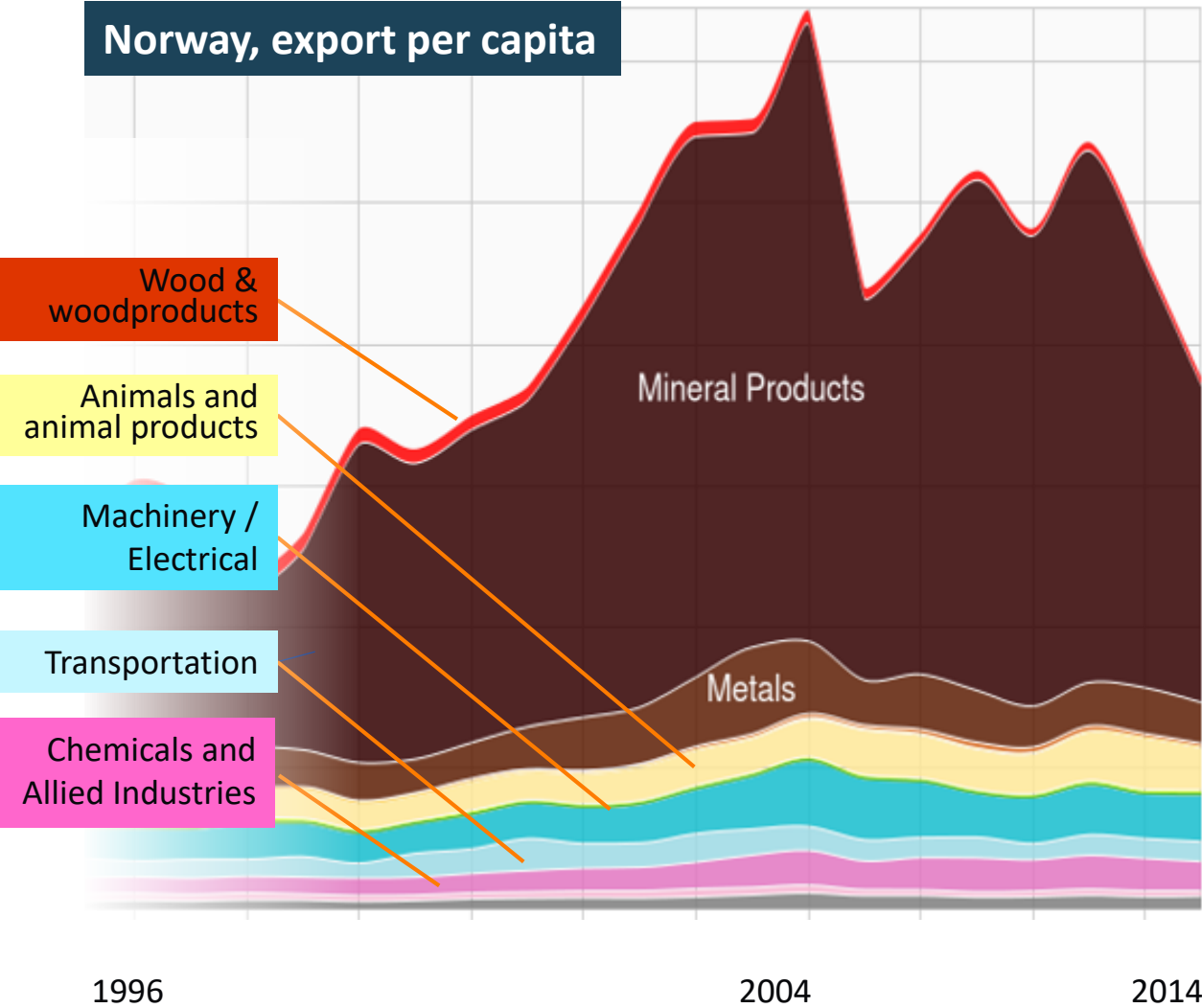
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A more diversified and robust
economy

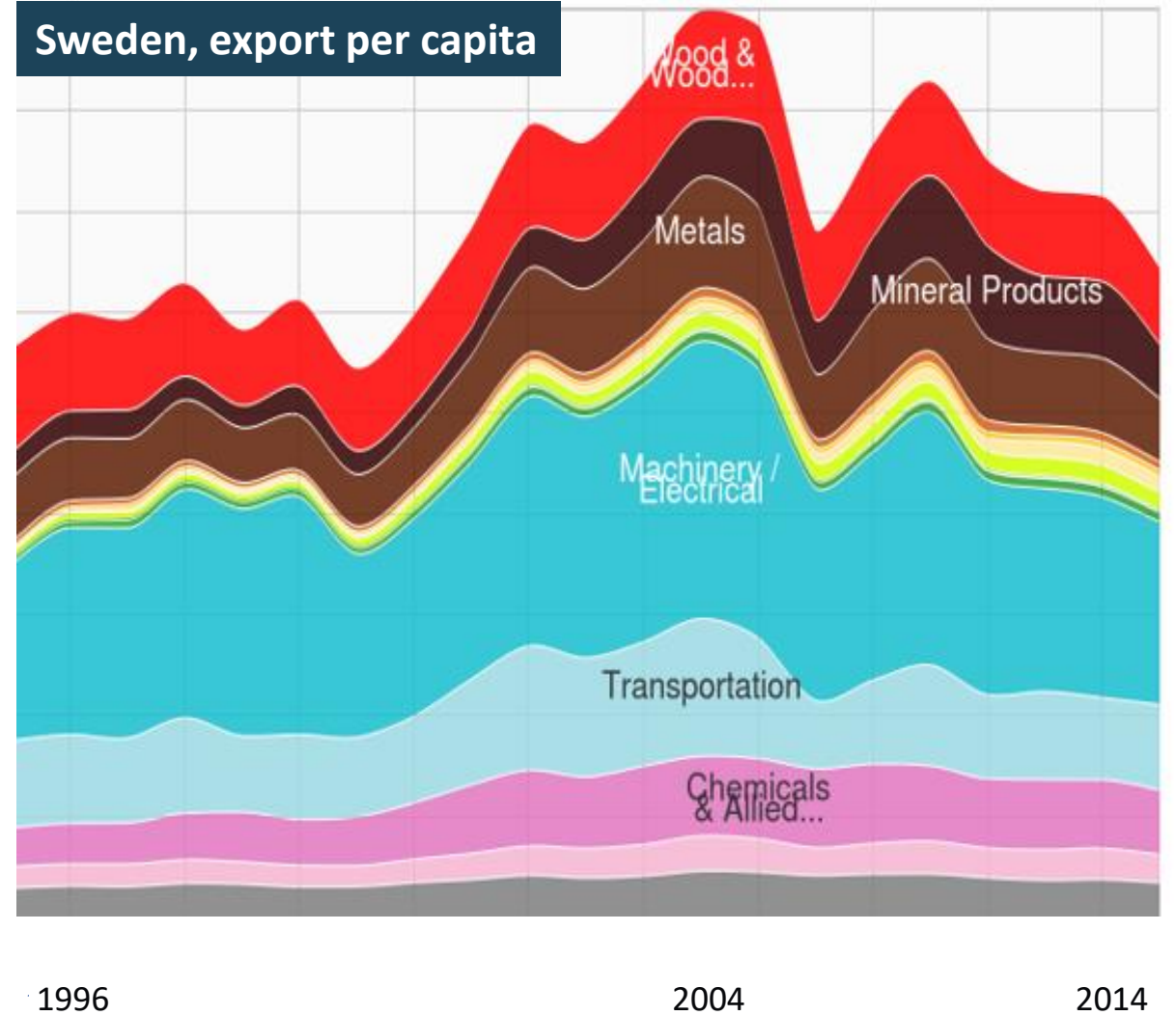




Norway, export per capita

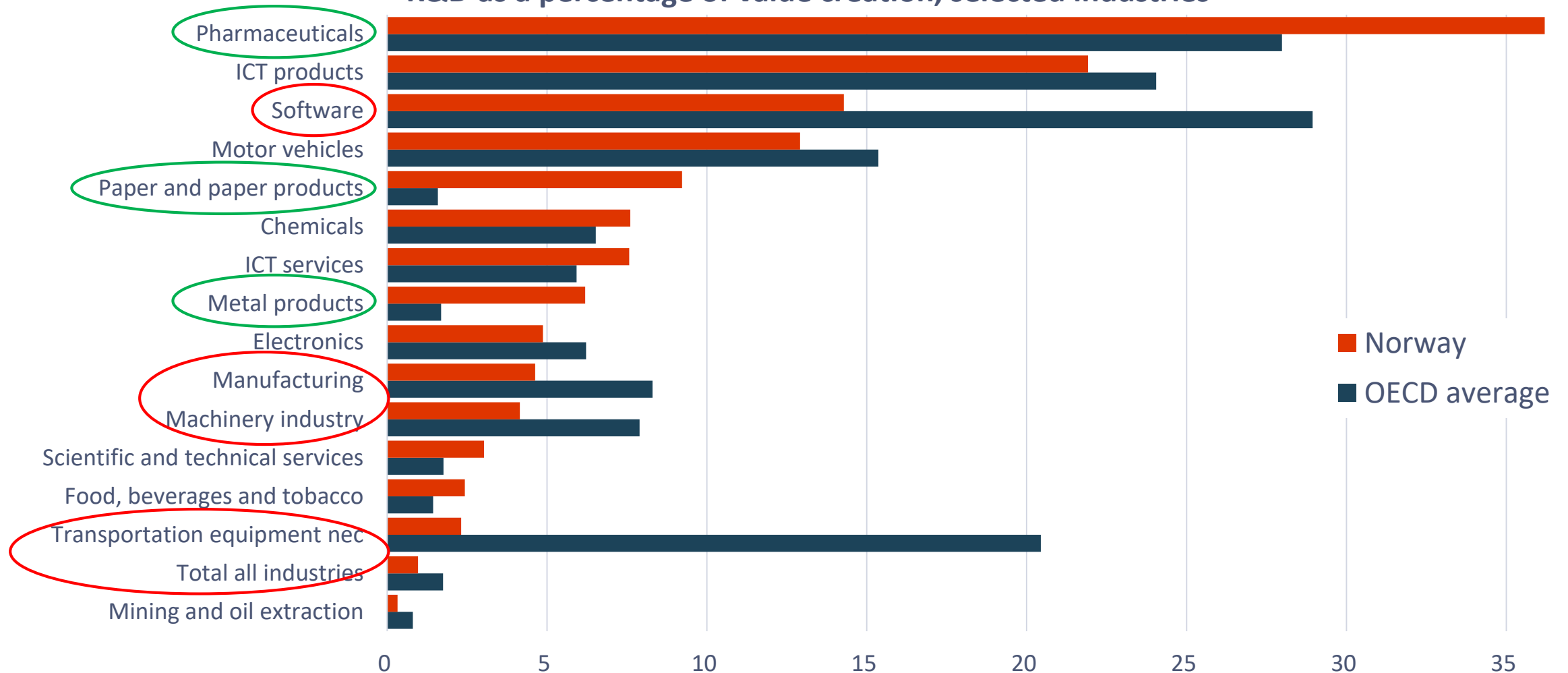


Sweden, export per capita





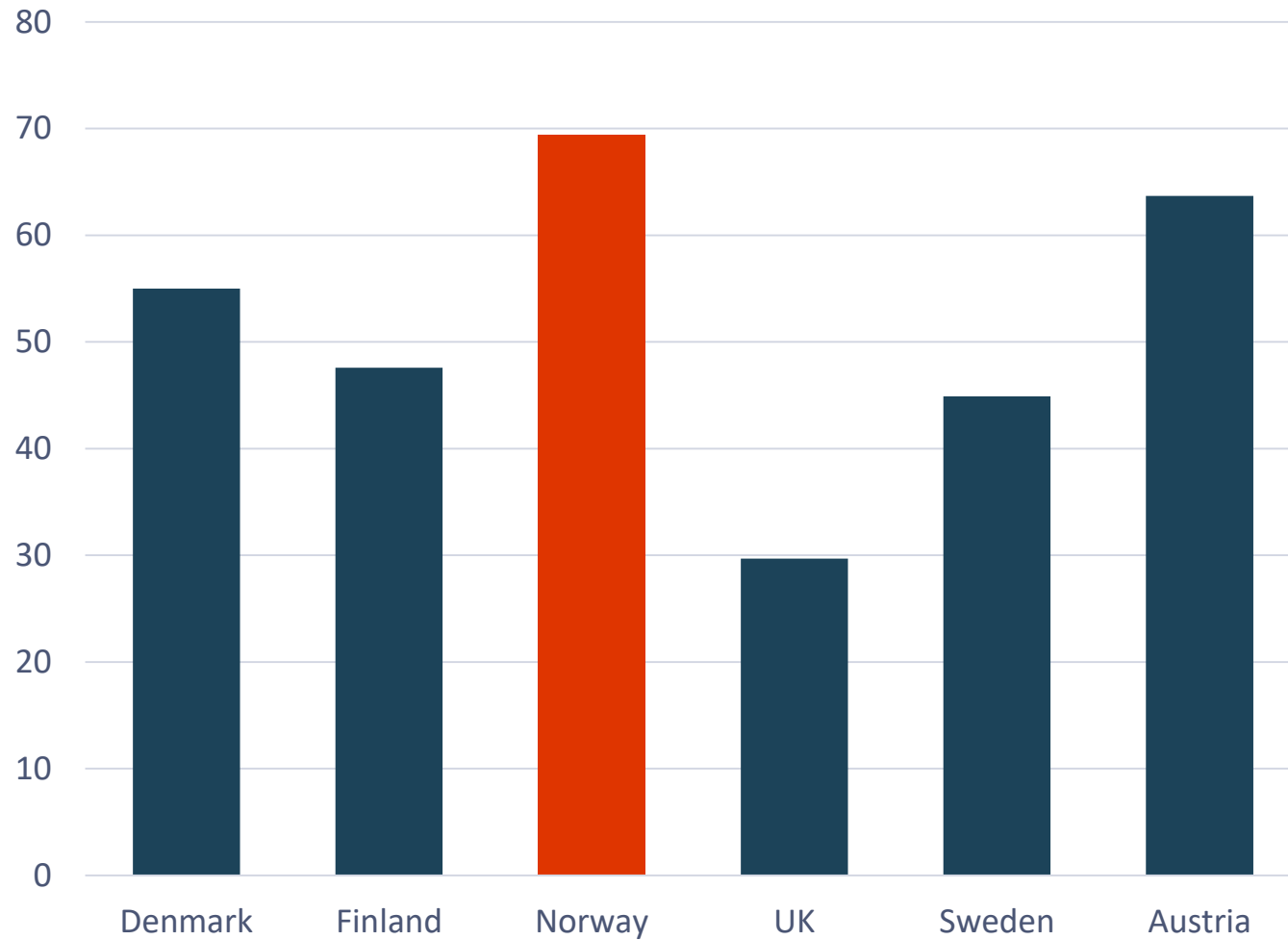
R&D as a percentage of value creation, selected industries





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A competitive, effective and
efficient innovation system



Source: NIFU

R&D in higher education sector

- General university funds as share of total funding

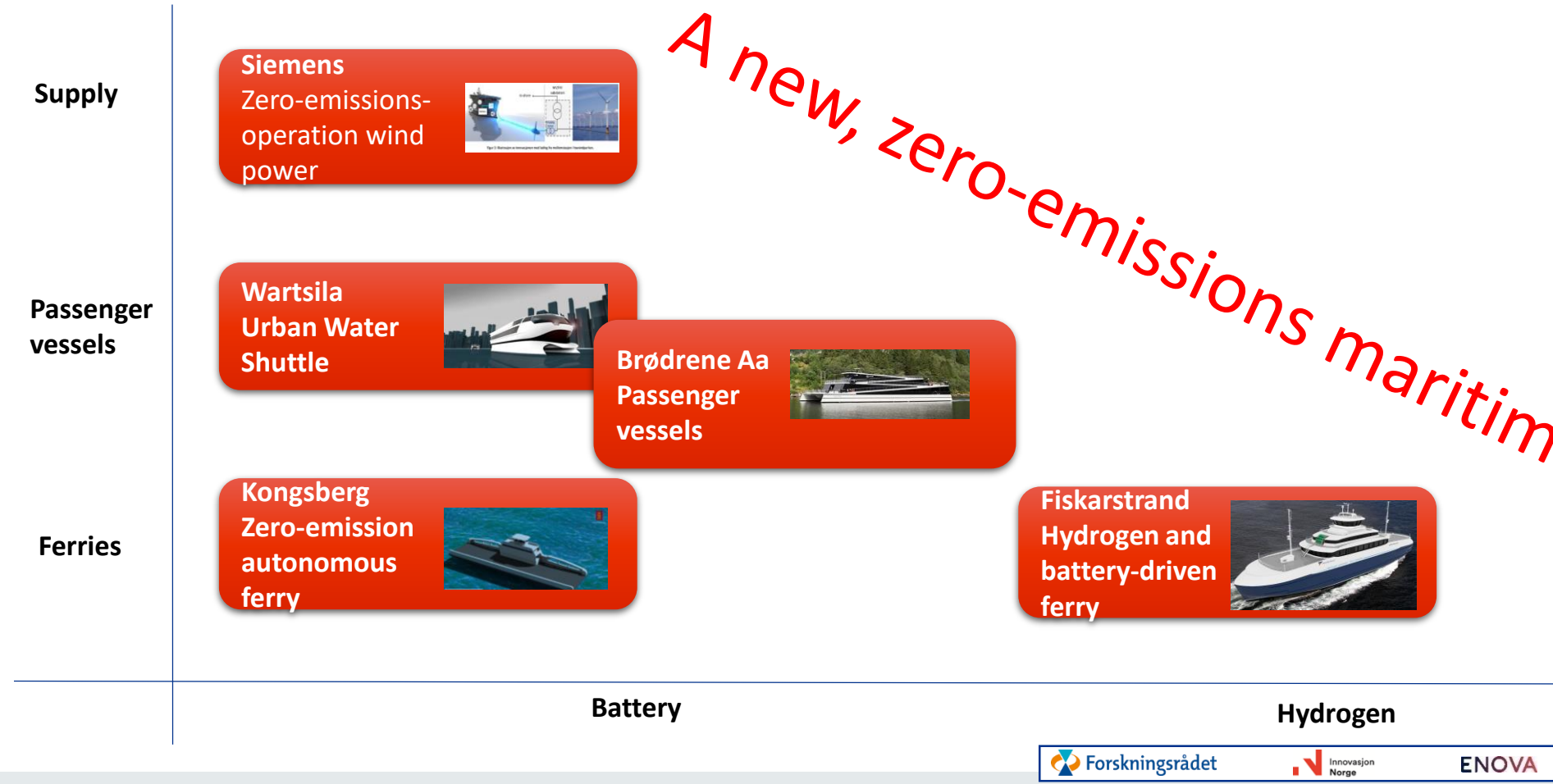
The Norwegian innovation system is also characterised by a strong research institute sector [...]. These institutions are key R&D performers in the Norwegian system in cooperation with industry and play a key role in the internationalisation of research and innovation in Norway

The Research Council is a focal point in the research and innovation landscape





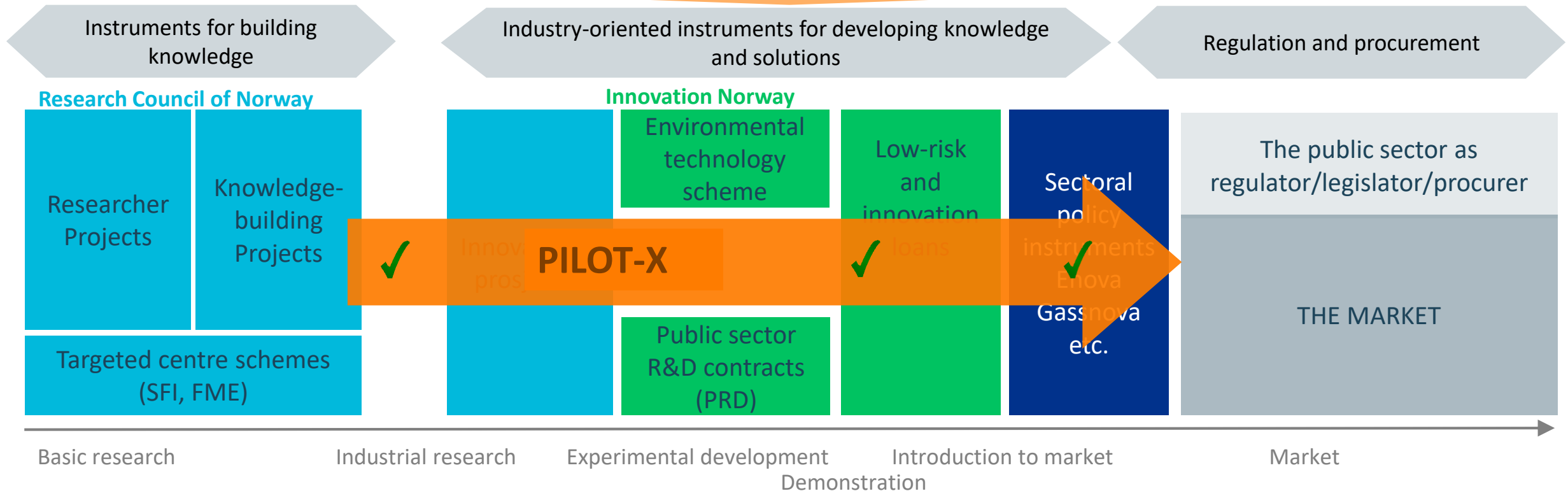
PILOT-E scheme: Projects allocated funding in the first round





Pilot-X – Can be used in other areas to fast-track to market

A faster industry-oriented PILOT-X track is only possible if there is sufficient expertise available





The public sector's active role in shaping and creating markets is even more relevant in today's 'knowledge economy'. Traditional economic theory, which guides policymaking worldwide, justifies state intervention only to solve market failures.

But what the state has done in the few countries that have succeeded in producing innovation-led growth has been to create new markets. Sectors such as the internet, biotechnology, nanotechnology and the emerging green economy have depended on direct, 'mission-oriented' public investments, creating a new technological landscape – not only facilitating existing ones...

The Entrepreneurial State, Mariana Mazzucato



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Supporting research and
innovation that can address
an array of societal challenges



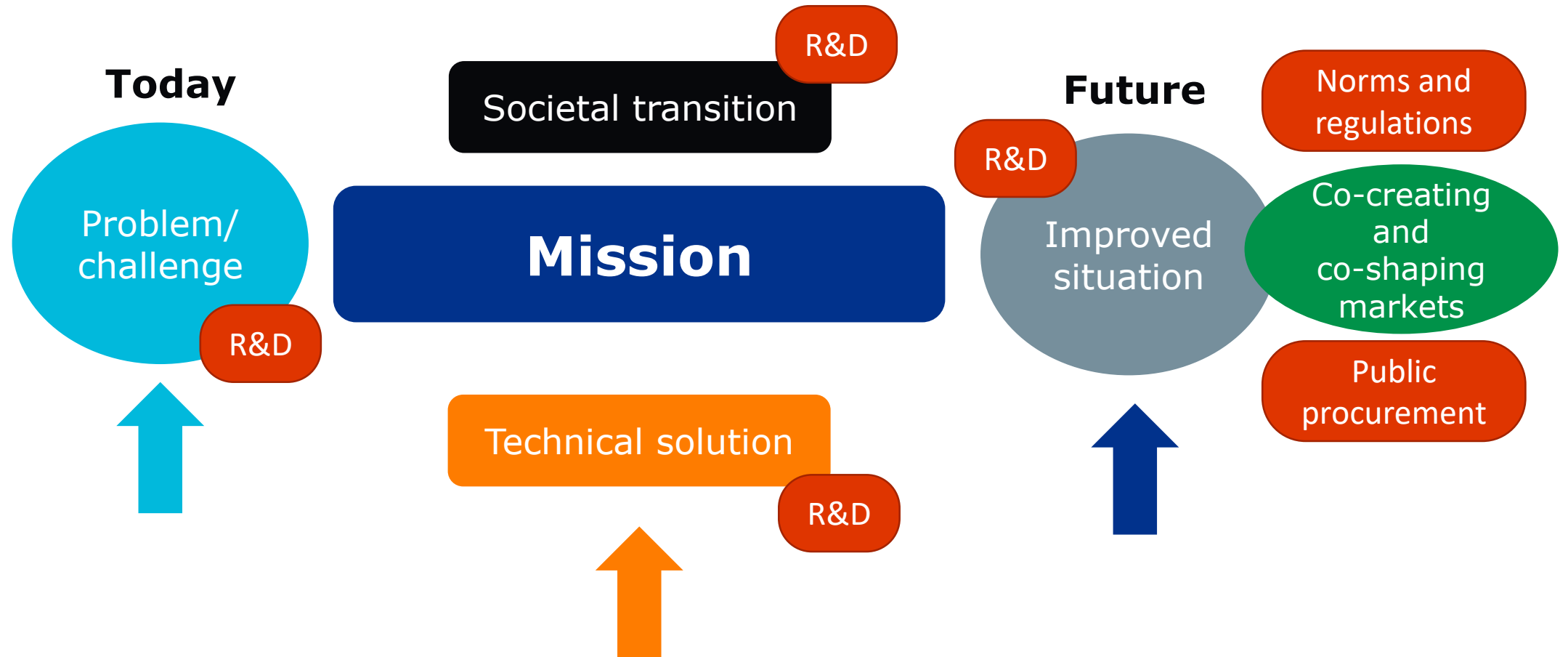


The big picture





What is a «mission approach»?





The movement from broad challenges to specific missions

