

Decarbonising maritime transport

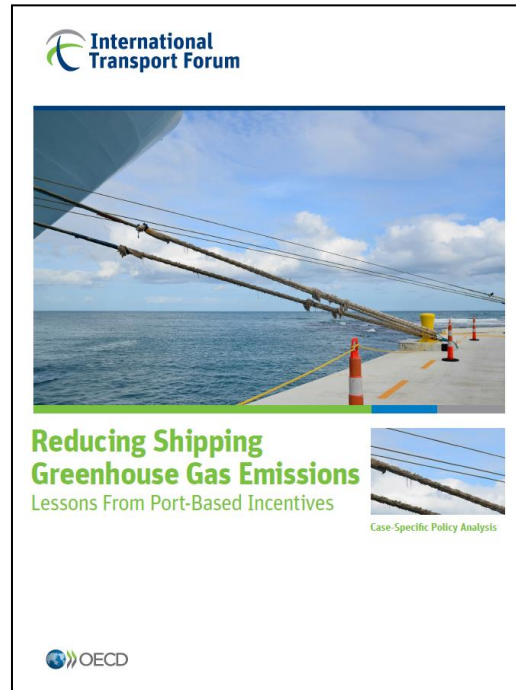
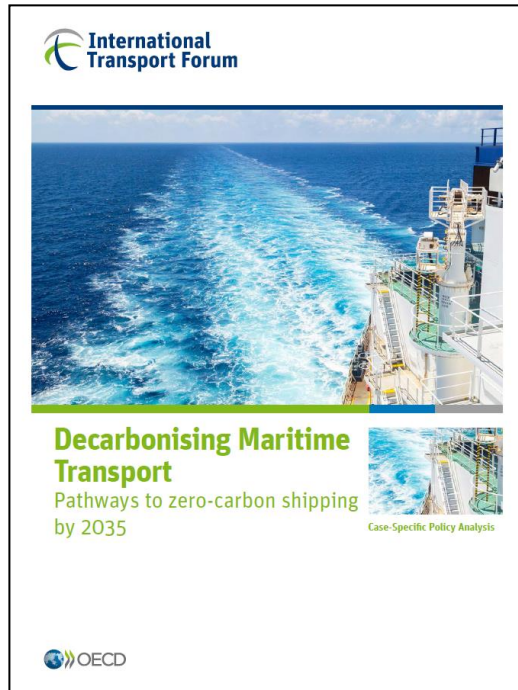
Olaf Merk

26-27 November 2018

ITF workshop Decarbonising Maritime Transport

Paris, France

Decarbonising maritime transport; recent ITF work



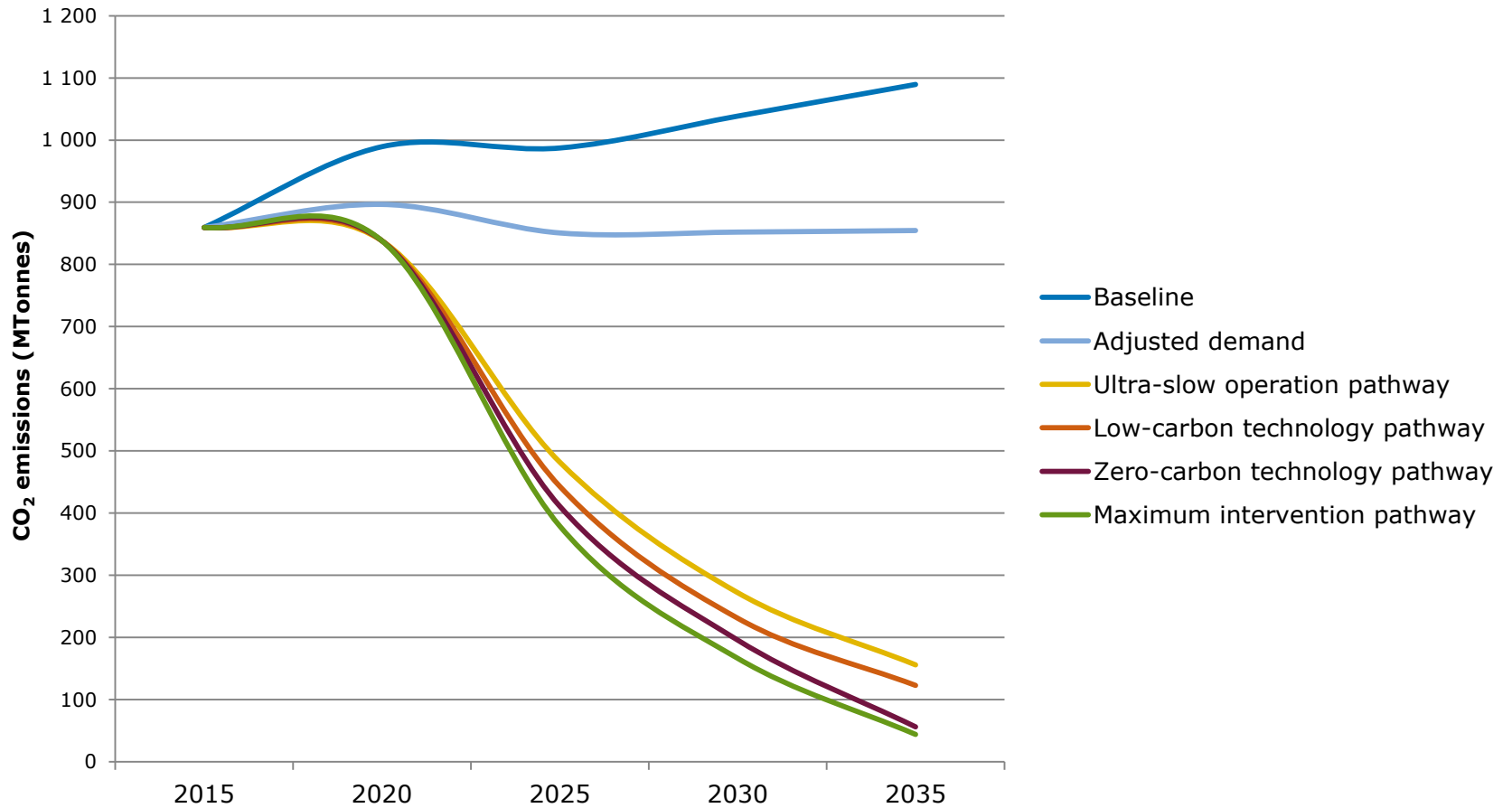
<https://www.itf-oecd.org/sites/default/files/docs/decarbonising-maritime-transport.pdf>

<https://www.itf-oecd.org/sites/default/files/docs/reducing-shipping-greenhouse-gas-emissions.pdf>

<https://www.itf-oecd.org/sites/default/files/docs/decarbonising-maritime-transport-sweden.pdf>

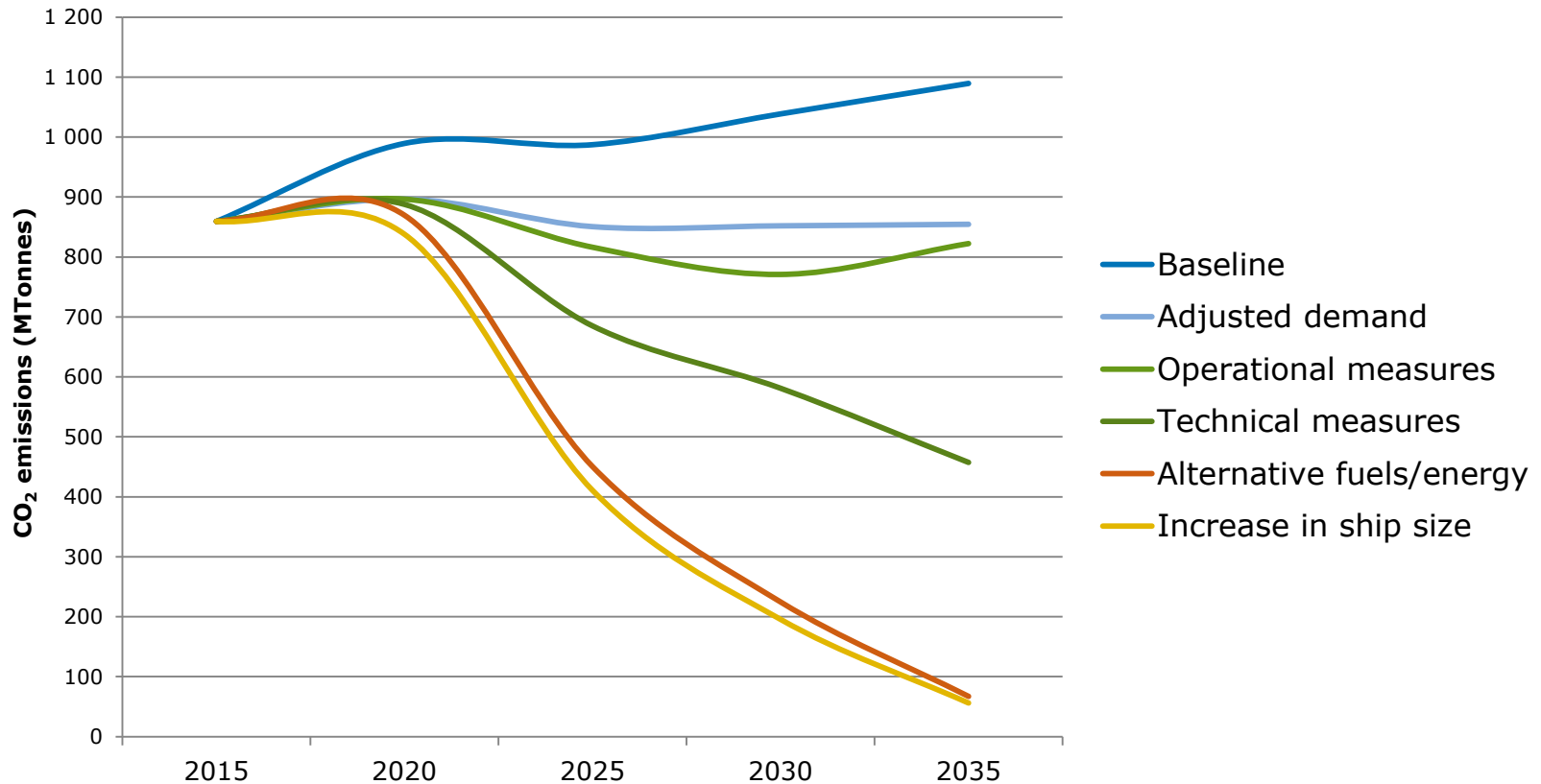


Four possible pathways



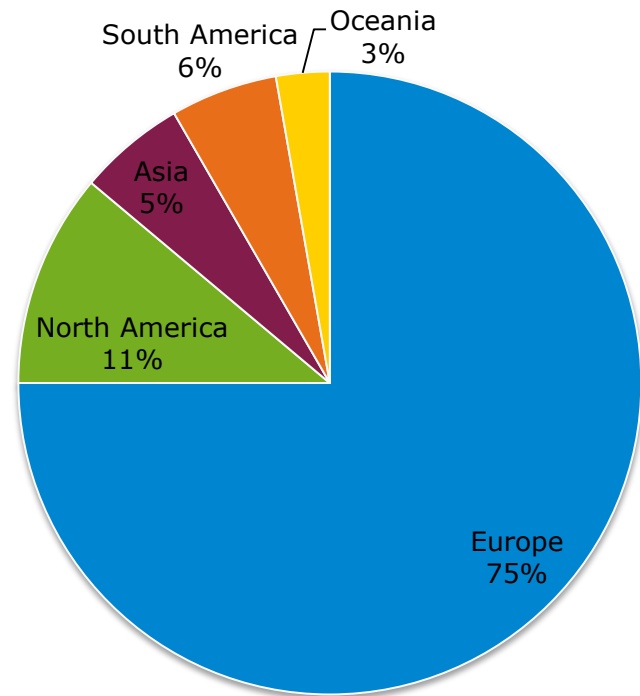
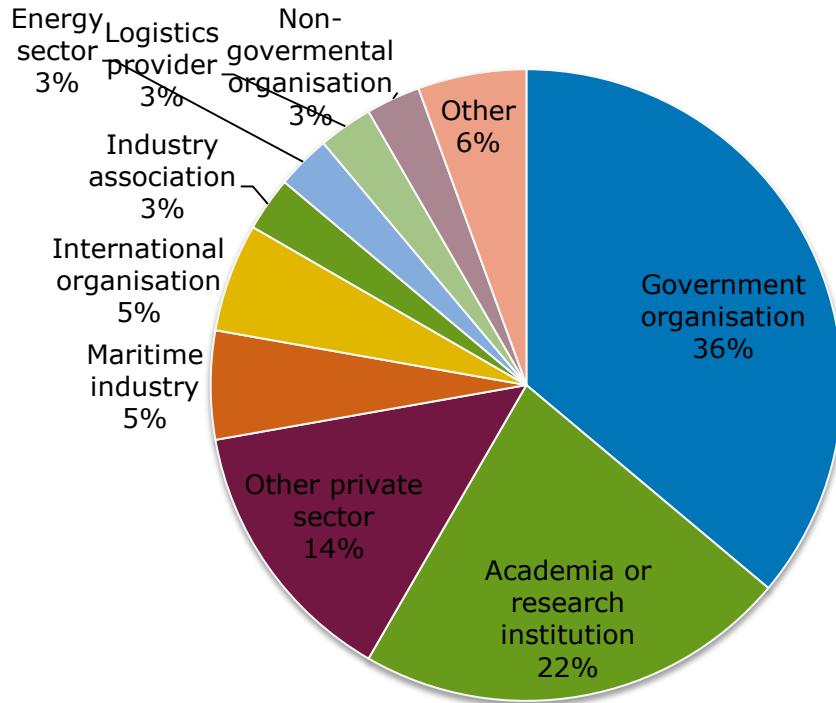
Zero-carbon technology pathway

Focus on alternative fuels, moderate speed reduction, maximum technical

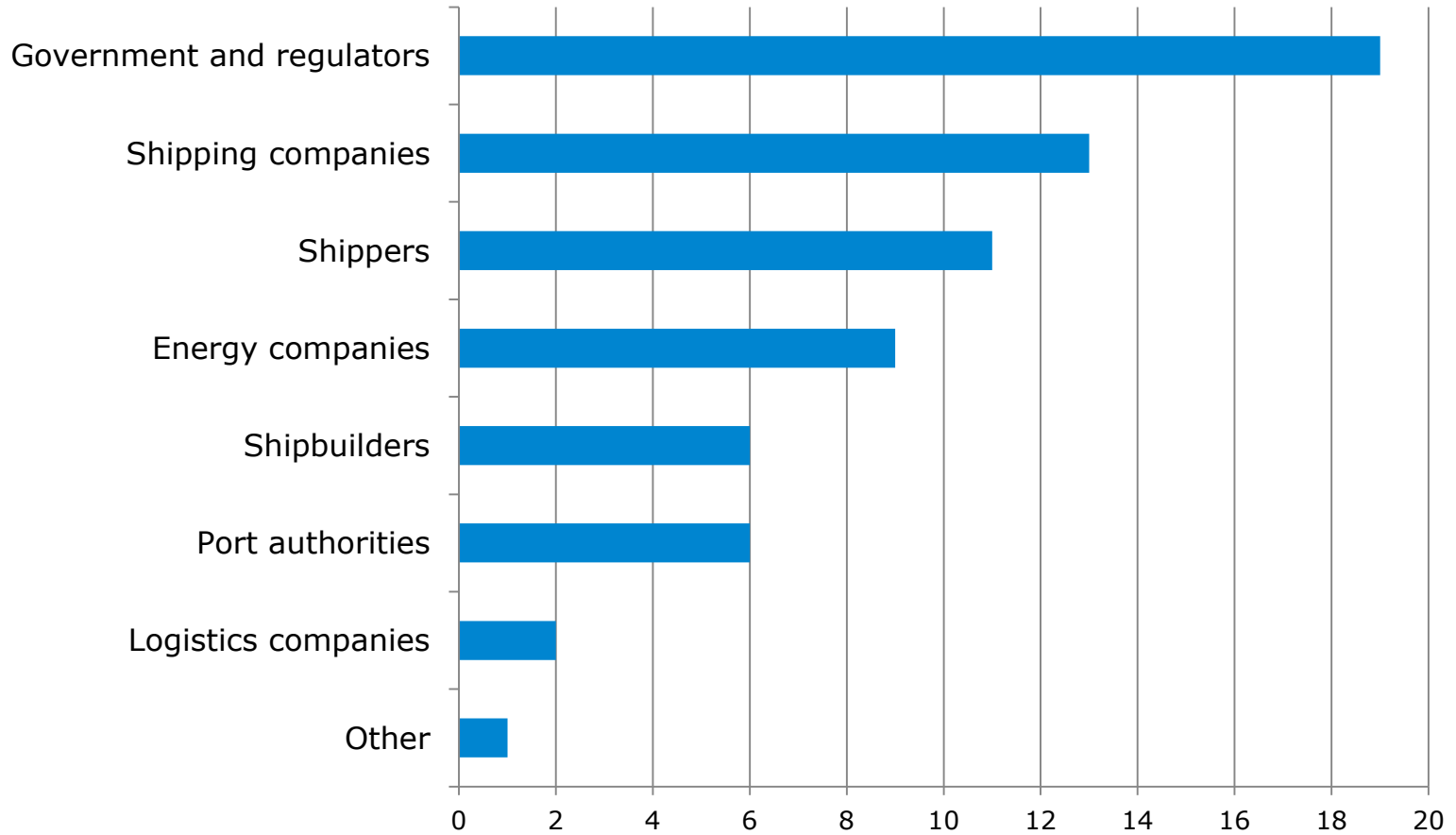


Survey on decarbonising maritime transport

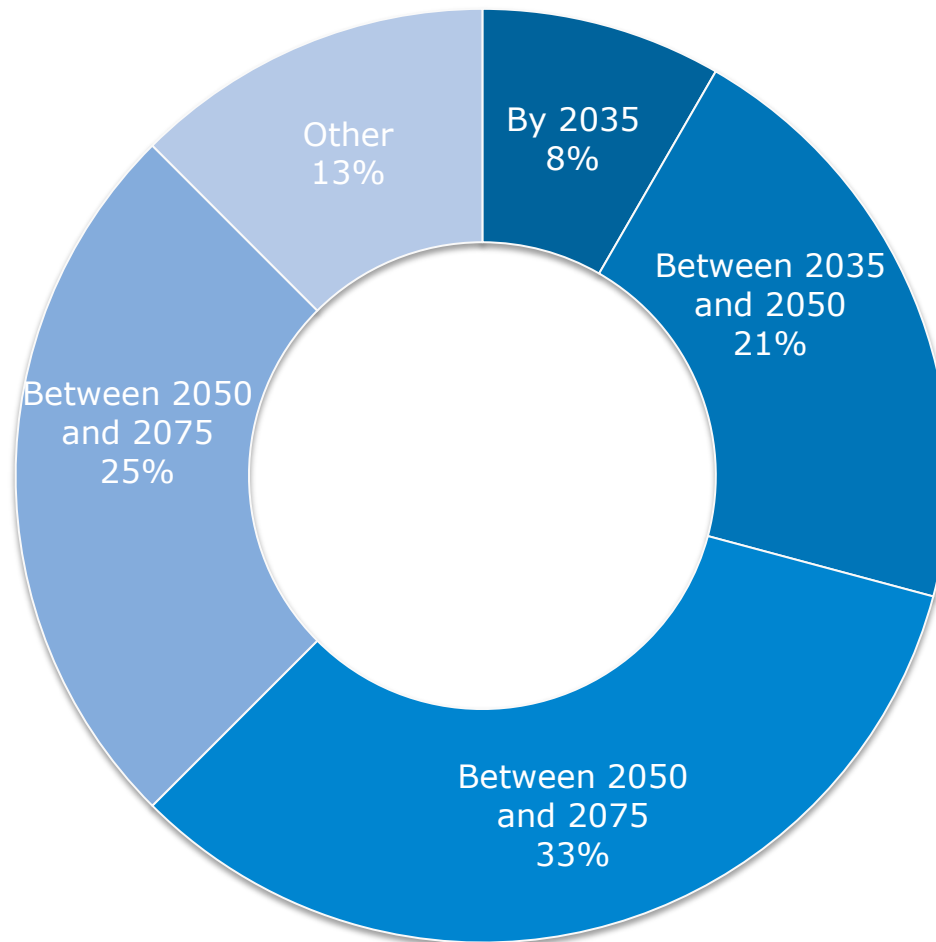
The respondents



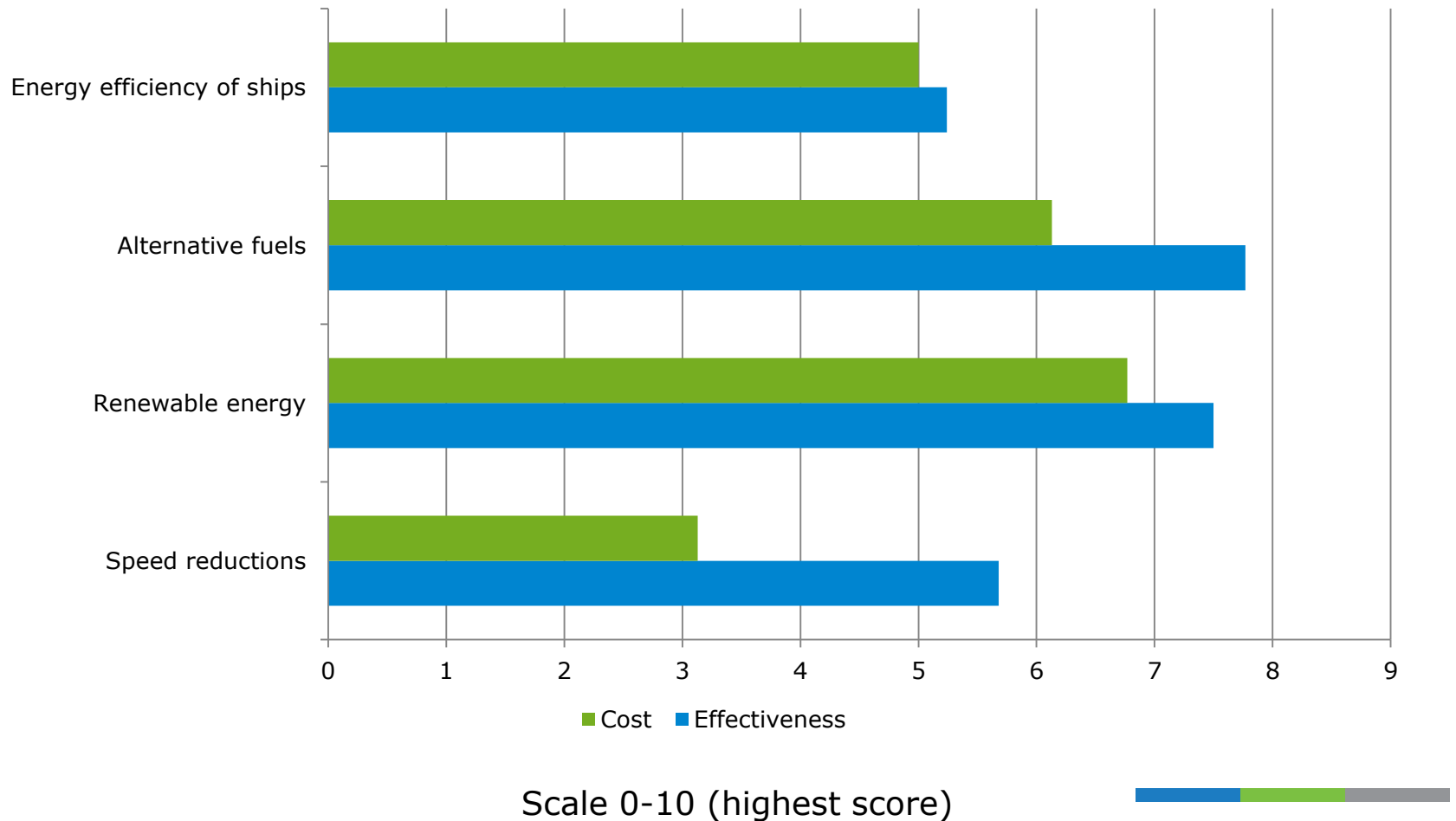
Who is the main agent of transformation?



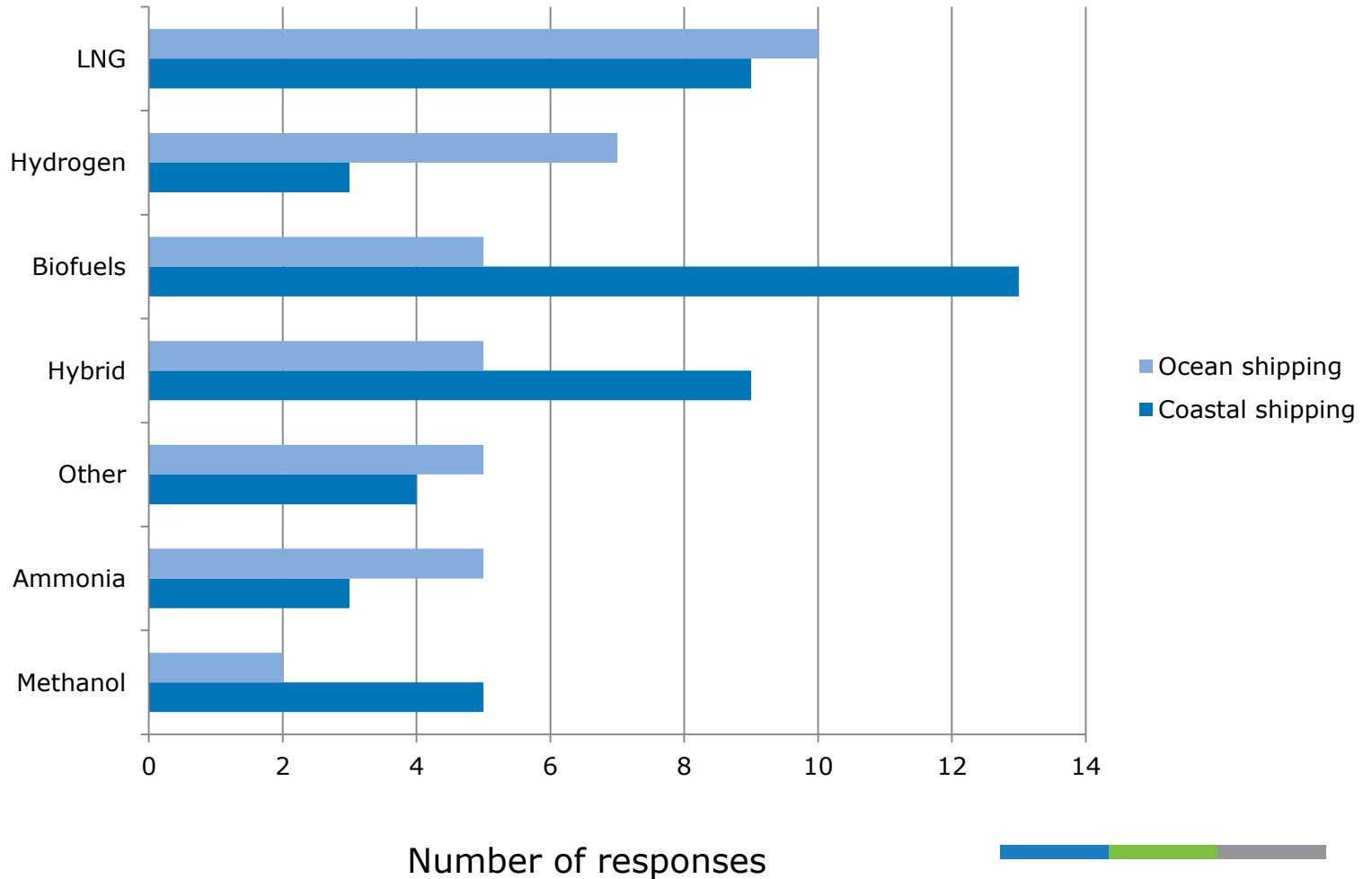
When will shipping reach full decarbonisation?



What are the most cost effective instruments?



Most cost effective alternative fuels for decarbonisation?

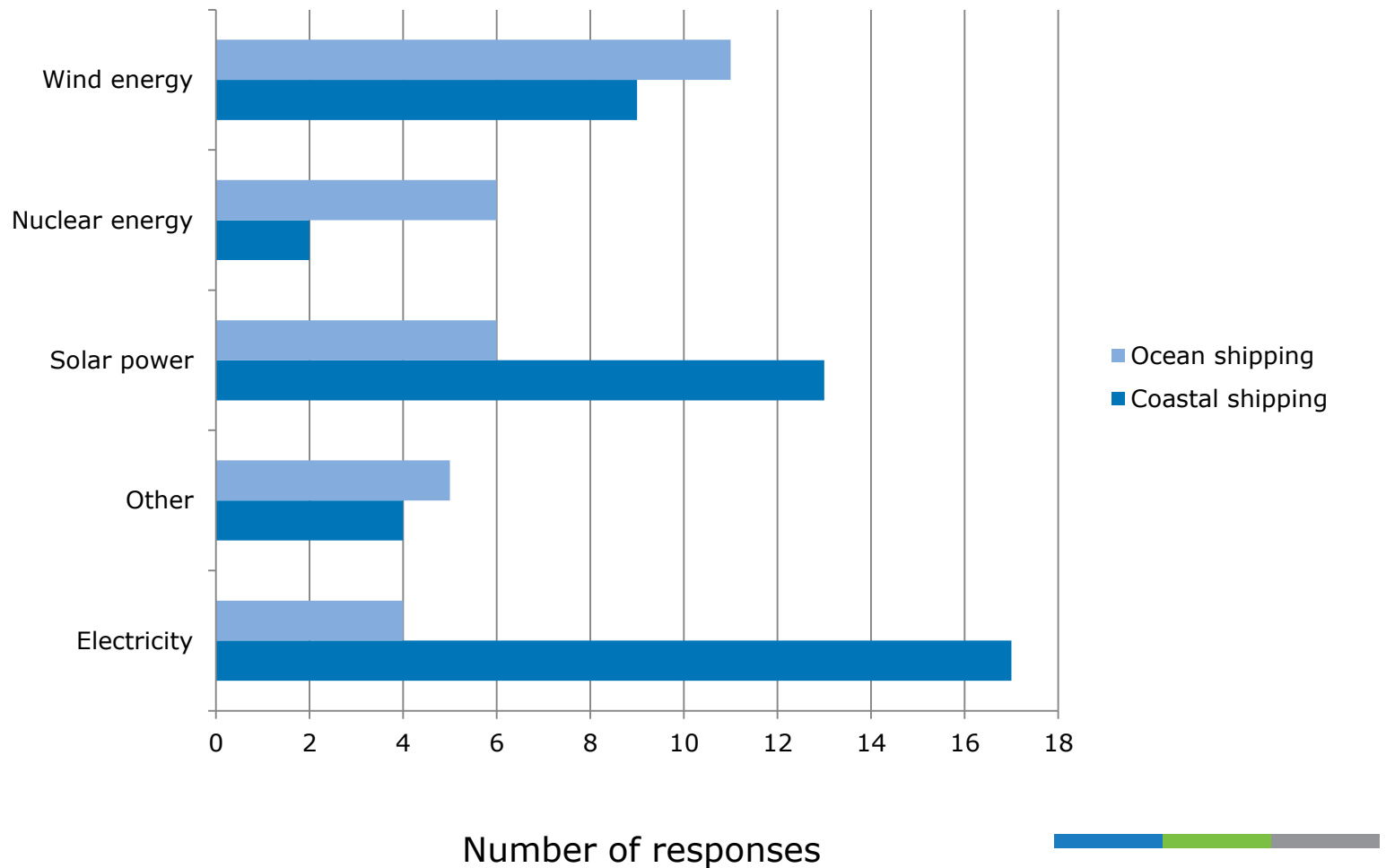


Main barriers to adoption of alternative fuels

- Price
- Lack of regulatory driver or carbon pricing
- Availability alternative fuels
- Uncertain demand
- Supply infrastructure in ports
- Space on board
- Safety regulation



Most cost effective renewable energy for decarbonisation?

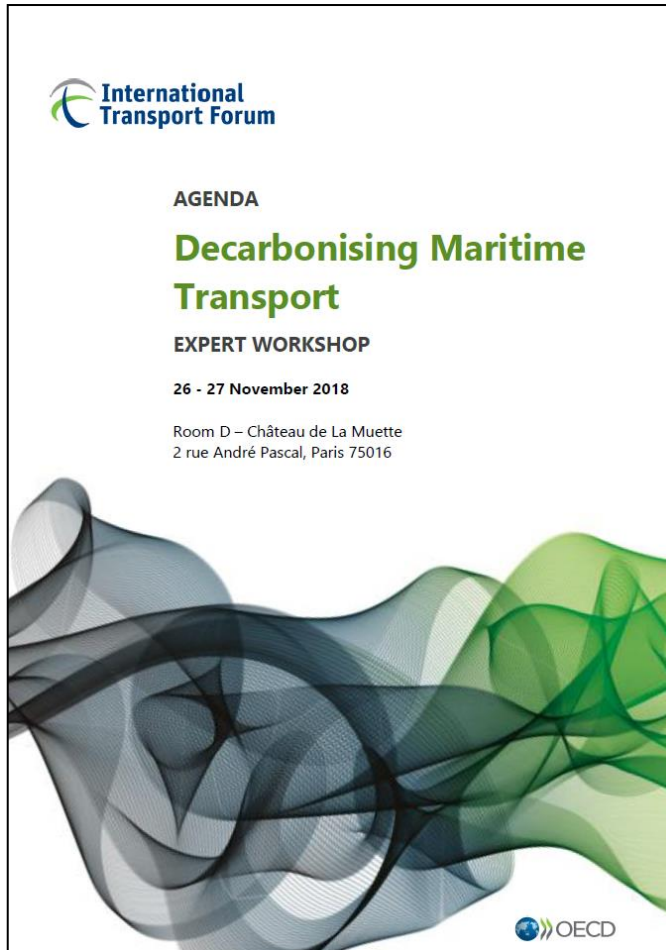


Main barriers to adoption of renewable energy

- Price, costs of shipbuilding
- Lack of incentive/regulation
- Availability alternative fuels
- Uncertain demand
- Maturity of technology and experience
- Safety and aversion to nuclear



The aim of the workshop



- Focus on area with high potential (alternative fuels) and instrument that has not been highlighted much
- Explore possibilities and challenges
- Input for possible paper

Thank you

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