

Findings on regulation of Hydrogen-fuel propulsion in maritime vessels

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Overview of the Regulatory Horizons Council

- Council is an **independent expert committee**, supported by a team of civil servants
- Objective: **identify the implications of technological innovation and advise government on regulatory reform needed to support its rapid and safe introduction**
- Council will **scan the horizon for technological innovations**, building on existing work across government
- Recommendations may include introduction, adaptation or repeal of regulation, or the adoption of alternatives to regulation
- We aim to **work in an agile and disruptive way**, advocating cases for change and turning engagement into iterative products
- We will engage using roundtables, workshops, interviews and events with innovators, venture capitalists, industry, academia, civil society, regulators and government to share knowledge, collaborate and inform our work



A proportionate approach to risks and benefits



Ethics and public engagement



Commercial considerations



Alternative forms of regulation



The right timing



A culture of openness and growth

Regulators should foster a culture of openness and a growth mindset



Regulation should be proportionate to risks and benefits



Regulation needs to get the timing right



Regulators and innovators should embrace ethics and public engagement



Closing the Gap Focal points

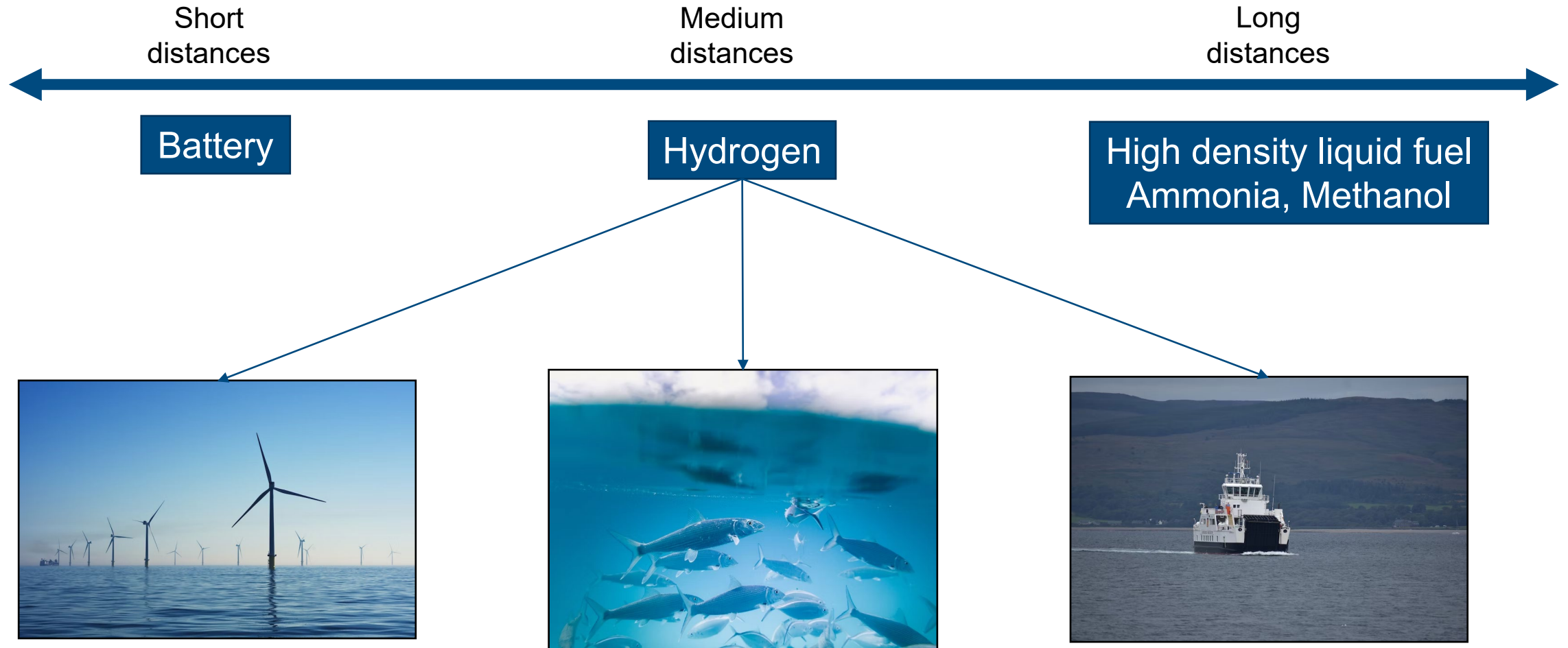
Regulatory design and implementation should consider alternative forms of regulation



Regulation should take account of commercial considerations and the need to attract investment



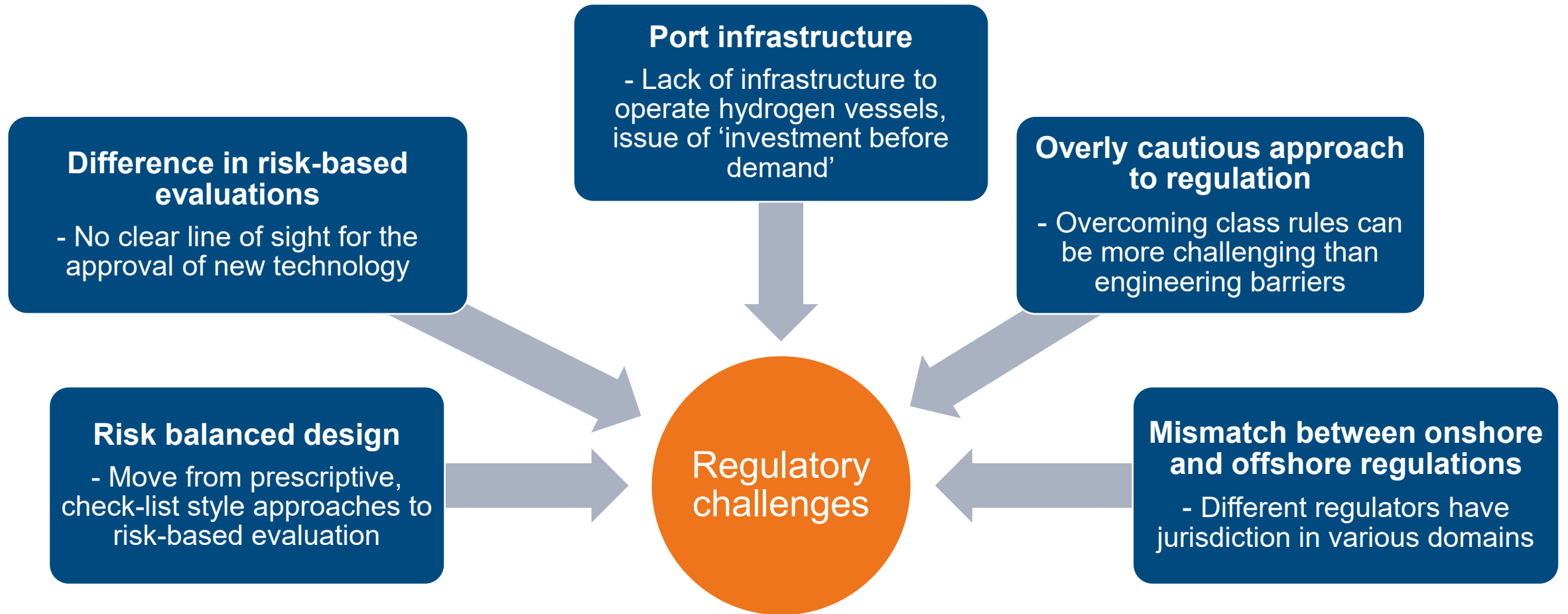
Why Hydrogen in maritime?



Who we engaged?



Findings on regulatory challenges



What needs to happen?

- 1 Increasing the speed of approvals of zero-carbon and novel vessel designs
- 2 Providing clarity to shipbuilders and innovators
- 3 Creating a more robust market for hydrogen vessels
- 4 Driving delivery of hydrogen port infrastructure
- 5 Building investor confidence in port owners and shipbuilders to undertake hydrogen infrastructure and vessel construction
- 6 Ensuring proactive resolution of evolving regulatory issues



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