

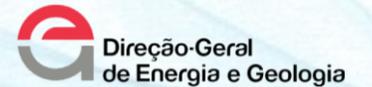
## OEE 2019 knowledge sharing workshop

### Stage Gate Metrics – The new TRL

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Jonathan Hodges

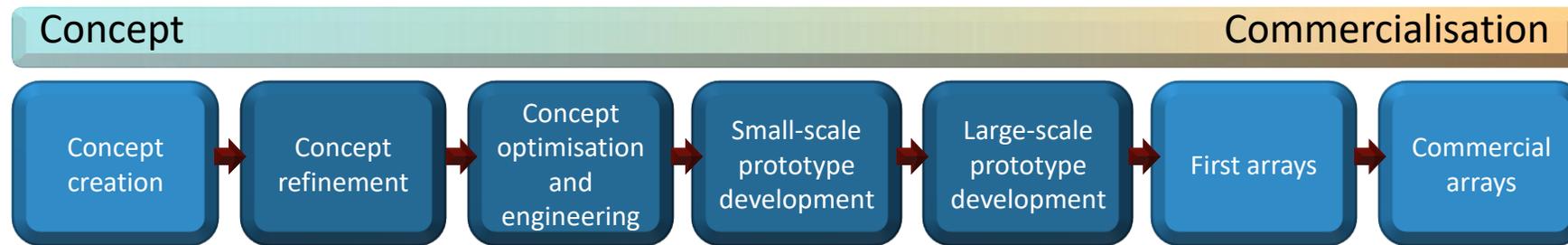
OEE, Dublin, 30<sup>th</sup> September 2019



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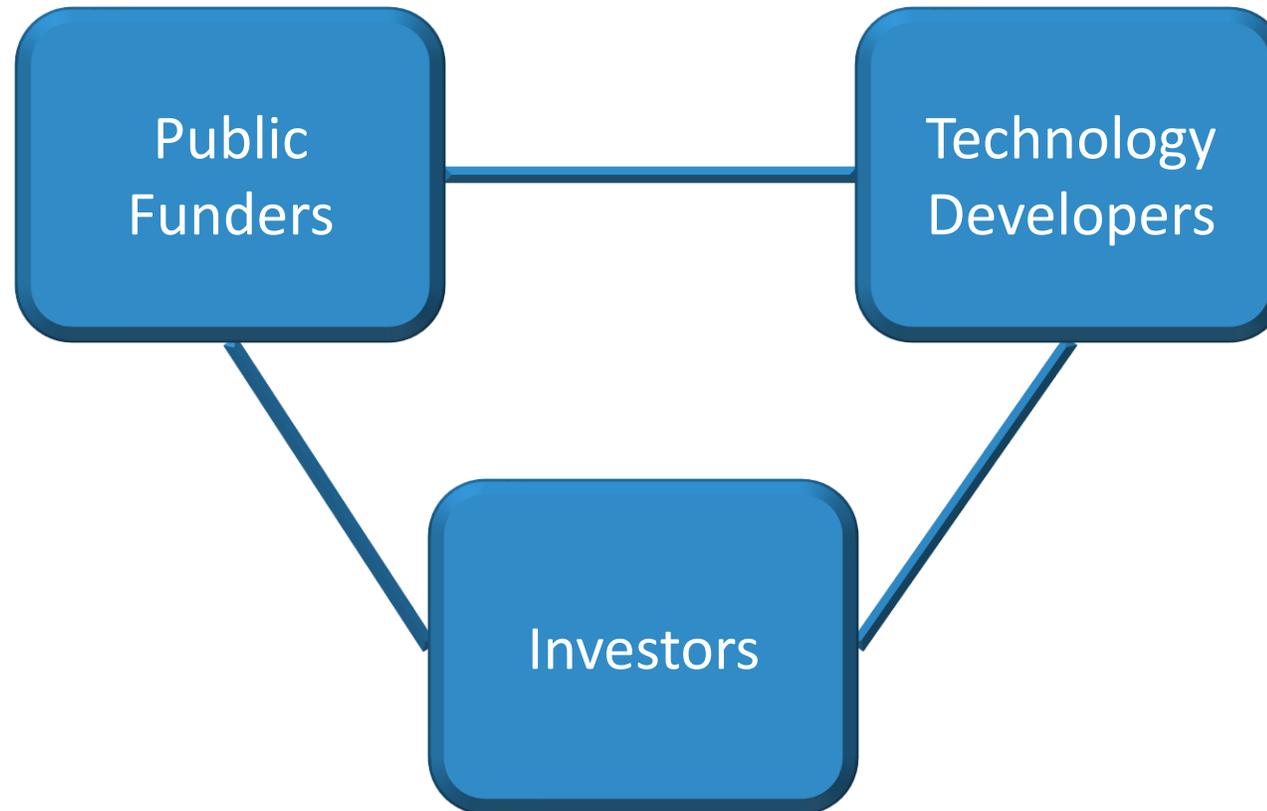


- TRLs
  - Guidelines on the activities expected throughout the technology development process
- Stage gate metrics
  - Clearly defined measures of technology success and achievement



- Stage gate metrics framework
  - Stage definitions and activities – related to TRLs
  - Metrics or Evaluation Criteria

- Benefits of consistent technology development and evaluation
- Perspectives:



- IEA-OES Task 12

- “International Technology Evaluation Framework for Ocean Energy”

- Clear definitions
    - Evaluation methods
    - Links to existing standards
    - Wide review network to gain consensus



- DTOceanPlus

- Stage Gate design tool
  - Application of a consistent evaluation process

- Summary

- Metrics requested through OceanSET

The metrics requested align with the requirements of the SET PLAN IP. The metrics focus on the 3 key areas of data collection:

- Technical
- Financial
- Environmental

These metrics ensure data gathered can be analysed and mapped to determine how OE sector will grow.

- Questionnaire format and content

Questionnaire is in 2 parts

- Section 1 is designed to capture high level information for the member states
- Section 2 is for Developers with TRL 7+

- Recommended flow of information to OceanSET project

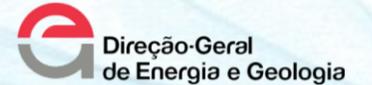
- Section 1: Member States > OceanSET
- Section 2: Technology developers > Member States > OceanSET

- What should be the process for spreading the recommended use of stage gate evaluation across the sector?
- How will developers, funders and private investors adhere to the recommendations?
- How can the benefits be exploited to build momentum in the sector and confidence in potential private investors?
- How will consistency in technology evaluation benefit the ocean energy sectors?

**Thank you for your attention!**

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