

DTOceanPlus workshop wrap up and next steps

Dr Donald R Noble (University of Edinburgh)

Wednesday 2 December 2020, OEE@home



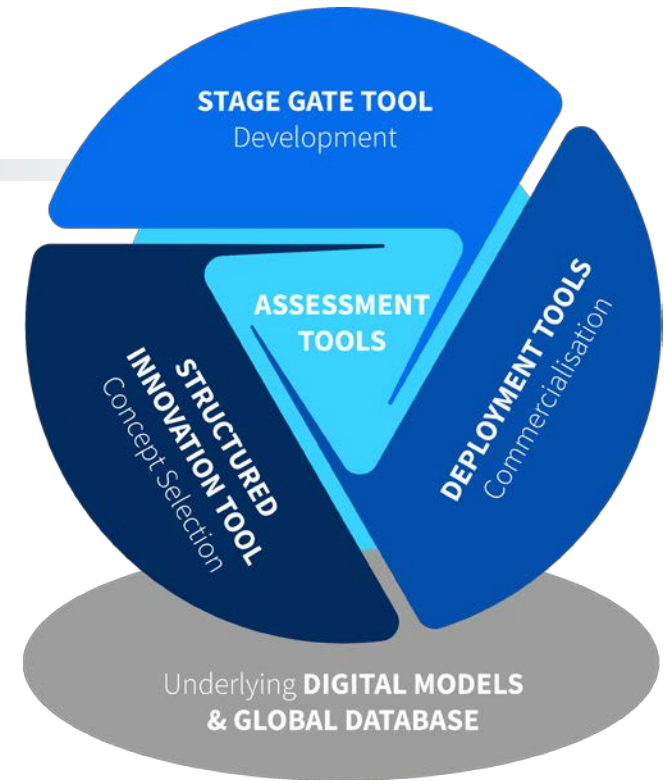
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 785921



Summary of the workshop

Today we have outlined:

1. Overall architecture of the tools
 - Runs as an **integrated suite** or in **standalone** mode
 - Different way to use some or all tools
2. How the **Stage Gate** and **Structured Innovation** tools can
 - Guide technology development,
 - Identify areas for improvement,
 - Facilitate innovation through a combined QFD-TRIZ approach
3. How the **Deployment** and **Assessment** tools can be used to assist optimal device and array development, illustrated by
 - Station Keeping, designing foundations and mooring systems
 - System Performance & Energy Yield, collating metrics on energy performance and losses
 - *More events next year to explain the other tools...*



Market Analysis and Implementation Feasibility (WP8)

Also analysing markets and enablers for ocean energy within the project

- Set of 5 reports (2 already published, 3 next year)

1. Potential Markets for Ocean Energy
2. Analysis of the European Supply Chain
3. Feasibility & Cost-benefit Analysis
4. Business Models for Ocean Energy
5. Legal, Institutional & Political Frameworks



Available at

[www.dtoceanplus.eu/
Publications/Deliverables](http://www.dtoceanplus.eu/Publications/Deliverables)

Next steps for DTOceanPlus

Spring 2020



α code

- Coding of core functionalities



Verification

- Tool performance and accuracy
- Using open data

December 2020



β code

- Integration & improvement of tools



Validation

- Real projects of industrial partners ↘

August 2021



Final release

- Open-source suite of tools
- Freely available

• DTOceanPlus Virtual Stand

- Alongside Ocean Energy Europe @Home
- To further explain the tools and answer questions
- Chat to us throughout the conference

- More events next year, tbc...
 - Details at www.dtoceanplus.eu

