



I3FLOAT Floating Offshore Wind Strategic Innovation Agenda

Feedback contribution by
Online participatory process



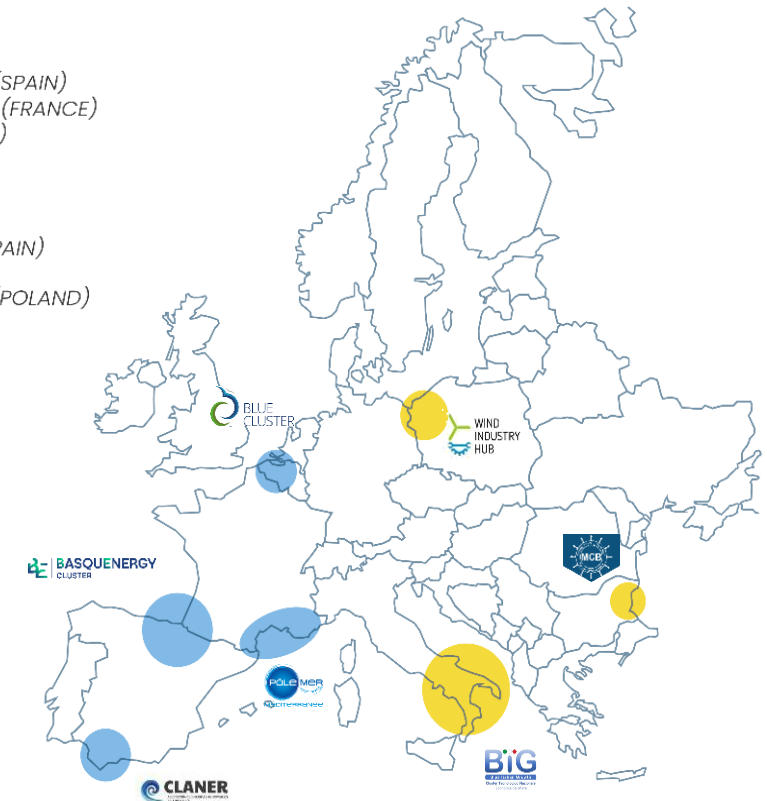
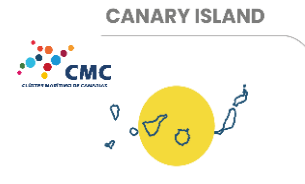
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I3FLOAT aims to strengthen the European floating offshore wind value chain by accelerating innovation, fostering interregional cooperation and supporting SME participation

- **I3FLOAT is a European initiative aimed at accelerating the development of floating offshore wind** by strengthening collaboration across regions, industry and research actors, with a particular focus on building a more competitive and resilient value chain
- **The project brings together 24 partners from 8 European regions**, combining innovation hubs and emerging regions to share knowledge, align capabilities and foster interregional cooperation in floating wind technologies
- **A core outcome of the project is the development of a shared Strategic Innovation Agenda**, which identifies and structures the key technological priorities needed to advance floating offshore wind towards large-scale deployment and industrialisation
- **This Agenda will be developed through a participatory process involving industry stakeholders and experts**, ensuring that the defined innovation lines are technically sound, relevant to market needs and aligned with sector challenges.
- **I3FLOAT includes pilot projects and open calls to support the validation and demonstration of innovative solutions**, contributing to bridging the gap between innovation and real-world application, while fostering SME participation in the sector.

8 regions, 24 partners

- **INNOVATION HUBS**
 - **BASQUE COUNTRY** (SPAIN)
 - **OCCITANIE & PACA** (FRANCE)
 - **FLANDERS** (BELGIUM)
 - **ANDALUSIA** (SPAIN)
- **CONNECTING NODES**
 - **CANARY ISLAND** (SPAIN)
 - **CAMPANIA** (ITALY)
 - **WEST POMERANIA** (POLAND)
 - **VARNA** (BULGARY)



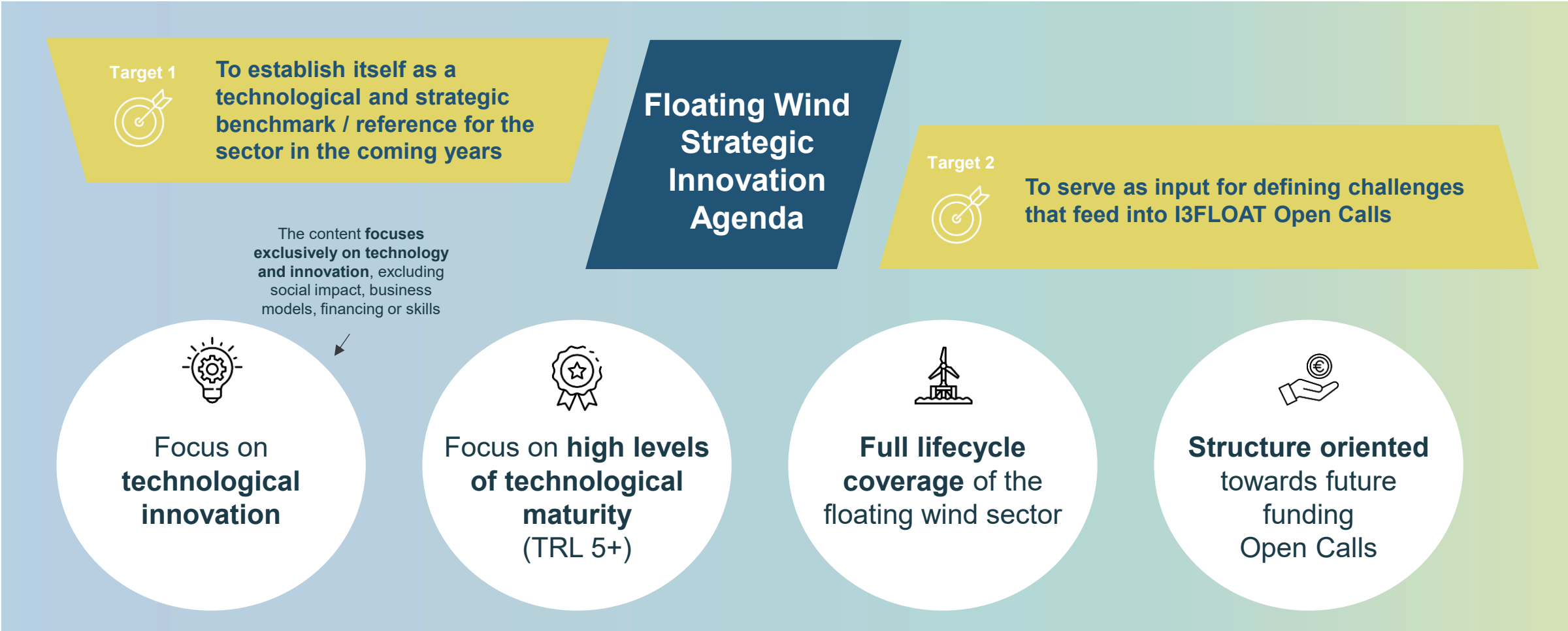
The **Floating Wind Strategic Innovation Agenda** is a participative agenda that focuses on the upcoming **bottlenecks** of the floating wind sector and that will serve as **challenges** for the Open Calls

**FUTURE
ROAD
MAP**



Floating Wind Strategic Innovation Agenda has a dual objective: to serve both as a technological and strategic reference for the sector and as input for future I3FLOAT Open Calls 

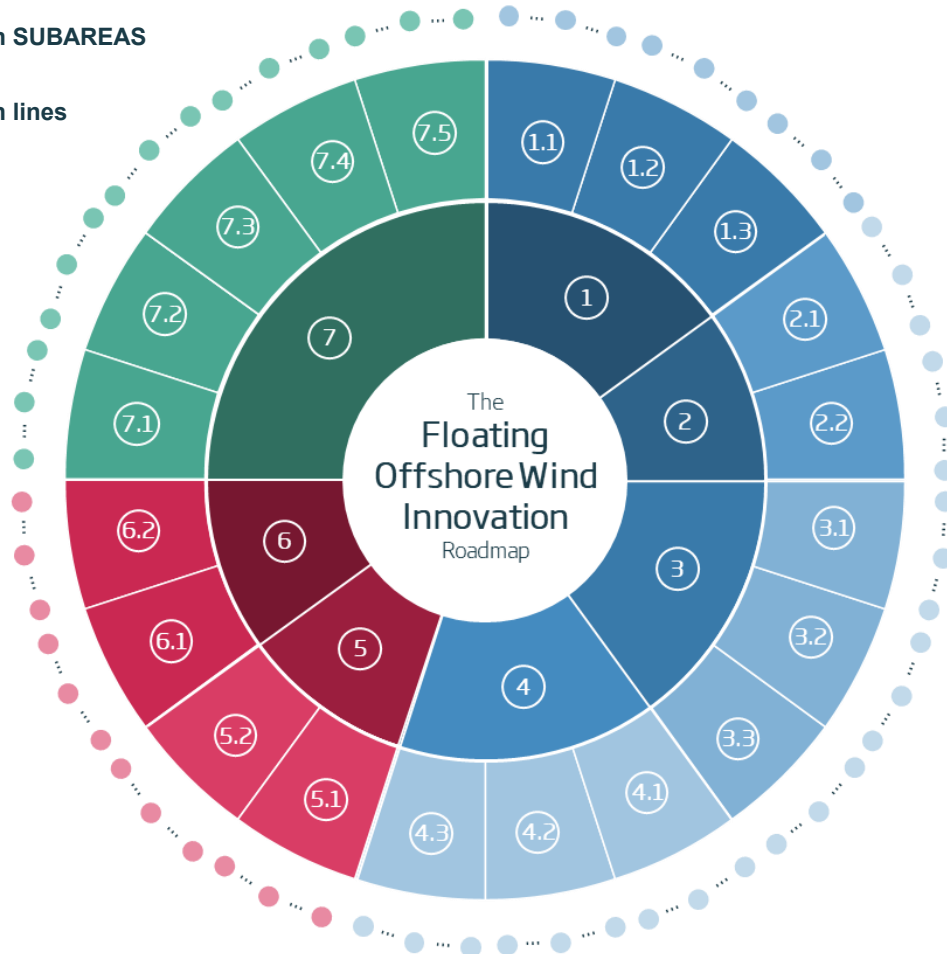
Floating Wind Strategic Innovation Agenda



Following internal work and with the support of the consulting firm Minsait, the agenda has been structured into 7 areas, 20 subareas and a set of innovation lines within each subarea

Strategic Innovation Agenda structure proposal

- Innovation AREAS
- Innovation SUBAREAS
- Innovation lines



Design and construction

- 1 Floating substructures, mooring systems and dynamic cables**
 - 1.1 Design and engineering of floating substructures (floaters)
 - 1.2 Mooring and anchoring design
 - 1.3 Dynamic submarine cable systems for floating offshore wind
- 2 Electrical infrastructure and grid connection**
 - 2.1 Floating substations and electrical conversion
 - 2.2 Grid management and stability for floating wind farms
- 3 Wind turbine, tower or alternative supporting structures and FOW-specific control**
 - 3.1 Adaptation of the wind turbine (WTG) and tower to floating foundation
 - 3.2 Control and dynamic behaviour of the floating system
 - 3.3 Validation and aero-hydro-servo modelling for FOW
- 4 Wind farm layout design and site planning**
 - 4.1 Site characterisation and wind farm planning
 - 4.2 Integrated wind farm design (co-design)
 - 4.3 Environmental impact and ecosystem effect mitigation

Industrialisation, logistics and offshore installation

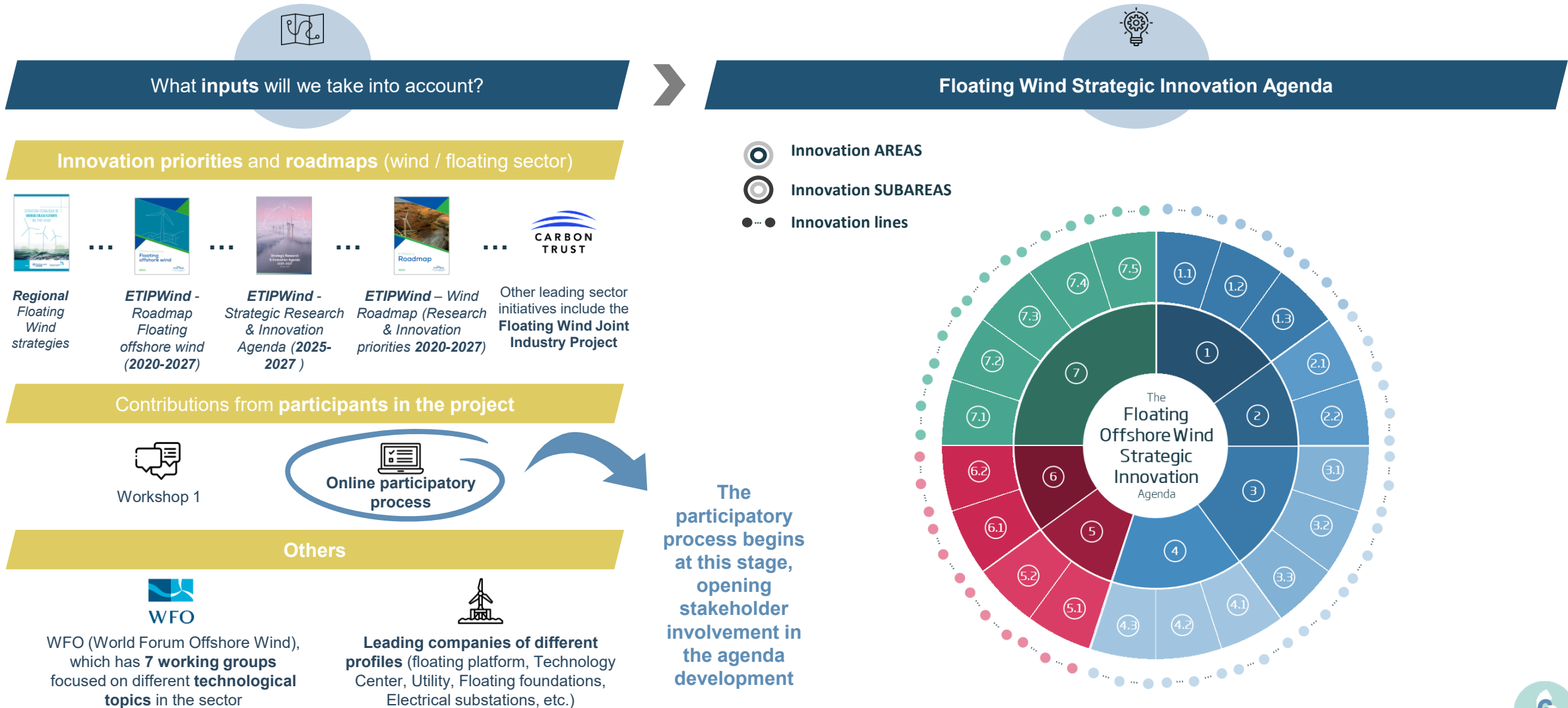
- 5 Industrialisation**
 - 5.1 Modularisation, process-oriented standardisation and industrial automation
 - 5.2 Port-based component integration and heavy lifting operations
- 6 Logistics and offshore installation**
 - 6.1 Logistics, load-out, float-off, wet storage and port-to-site transport
 - 6.2 Offshore installation and hook-up of platforms, cables and mooring systems

O&M and Decommissioning

- 7 Operation & Maintenance and Decommissioning**
 - 7.1 Data acquisition for O&M digitalisation
 - 7.2 Data management and structuring for O&M digitalisation
 - 7.3 Data exploitation for O&M digitalisation
 - 7.4 Heavy offshore maintenance and major offshore interventions
 - 7.5 Decommissioning, repowering and end-of-life strategies of the floating system

The Strategic Innovation Agenda will be built taking into account the different innovation priorities in the sector, along with input from project participants and experts

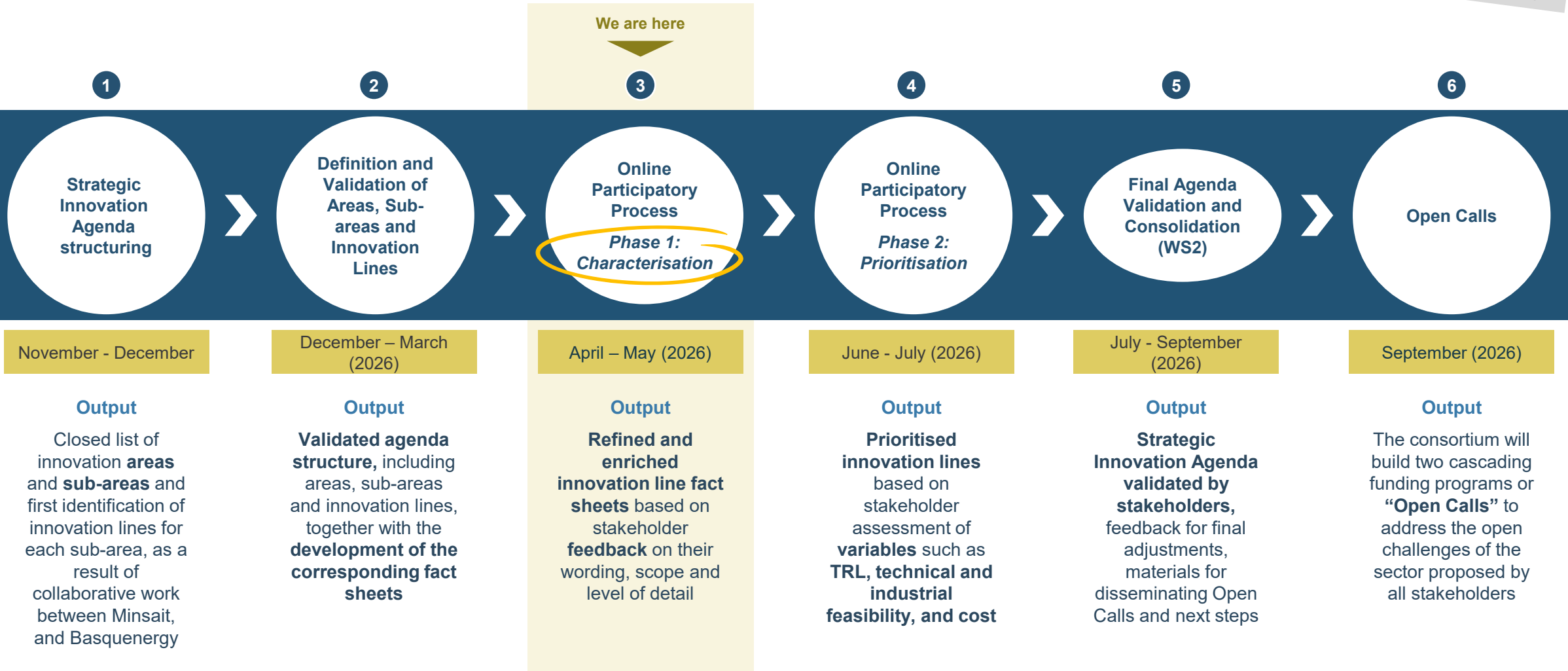
Process of defining and disseminating the I3FLOAT Strategic Innovation Agenda



At this stage, stakeholders are invited to contribute to phase 1 of the participatory process (characterisation of innovation lines) by reviewing and refining the definition of each line

Summary of the project's main milestones

Tentative dates



Participation focuses on reviewing the technical sheets most closely aligned with each stakeholder's area of expertise and potential contribution

Online Participatory Process Phase 1: Characterisation of innovation lines

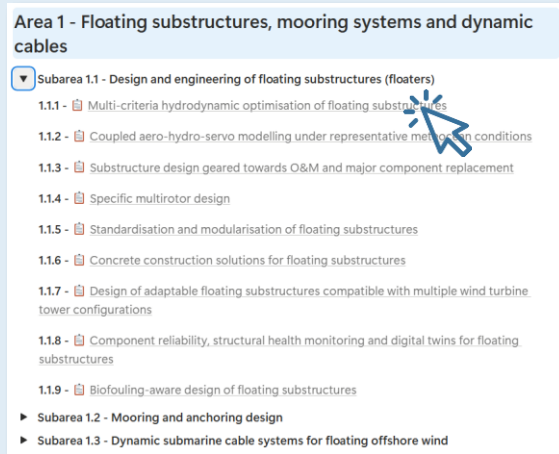
1 Agenda Structure Overview (Notion)



Notion

The shared link provides access to the full agenda's tree structure, including all areas, subareas and associated innovation lines

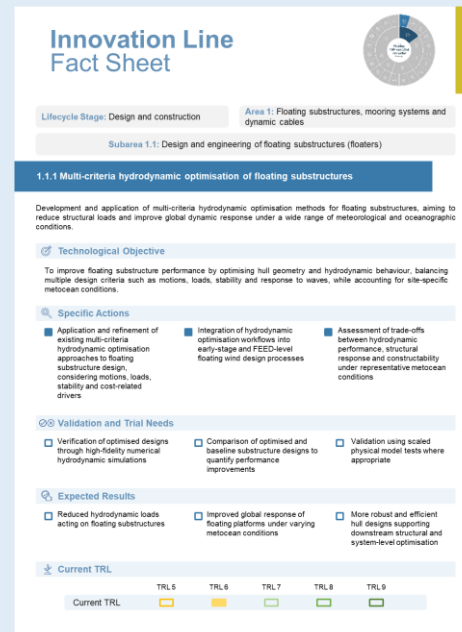
Each subarea contains a dropdown section giving access to the corresponding questionnaire for each fact sheet:



Example of Notion view

2 Feedback via questionnaire

By clicking in each innovation line, participants can access to a **questionnaire** where the **proposed fields for the fact sheet are displayed**, together with dedicated **space for comments and additional contributions**:



Example of Innovation line 1.1.1

Please, insert your feedback in these fields

Description

Technological objective

Specific Actions

Validation and Trial Needs

Expected Results

Current TRL

5 6 7 8 9

Additional comments



i3float

Thank you!



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