



# iDEFINE

## Interconnected Digital Fairway Navigation Experiment

31.5.2018

*This project is to be included to  
D4V programme*

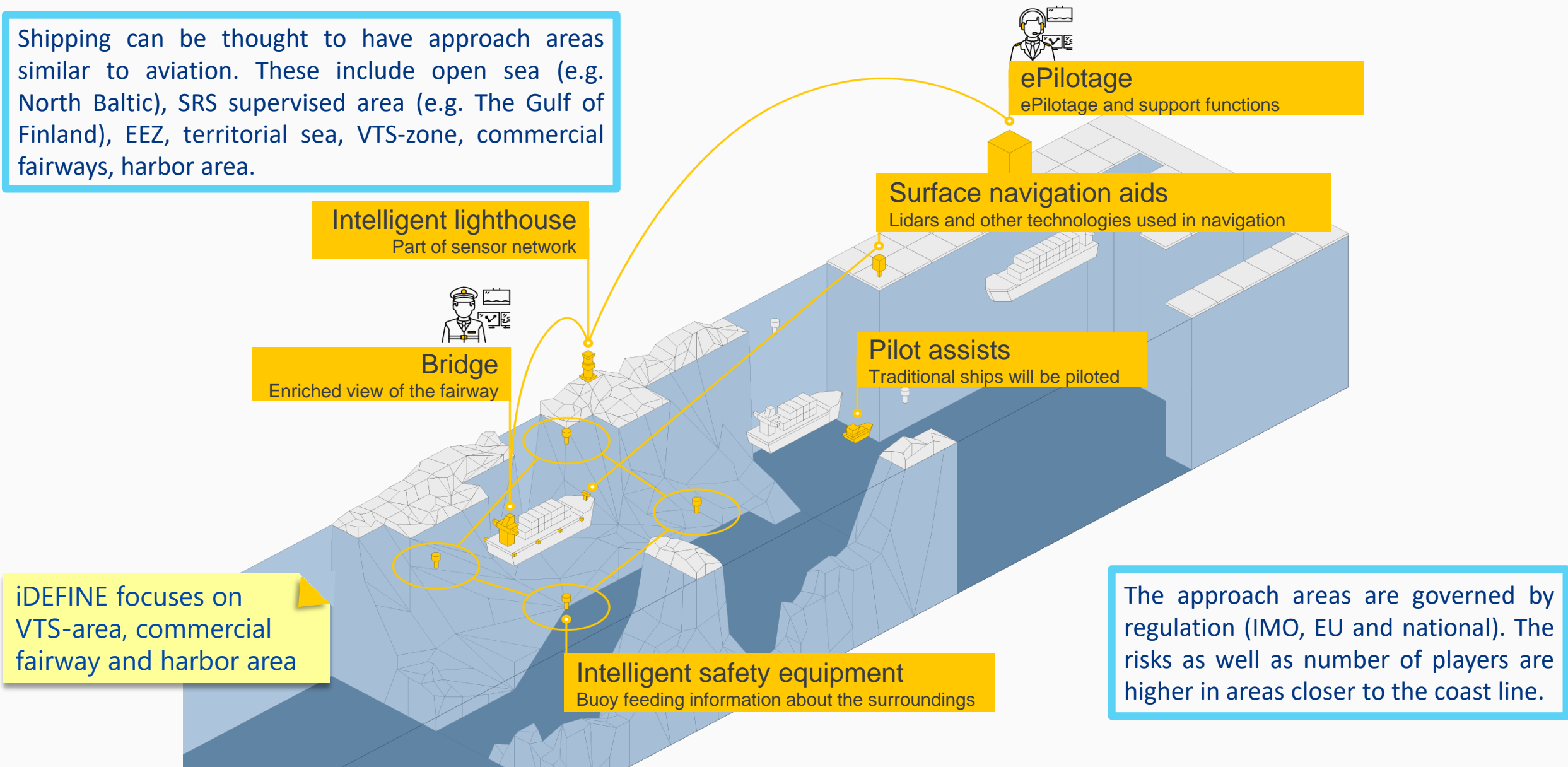
Safe last mile navigation channel.

## **iDEFINE**

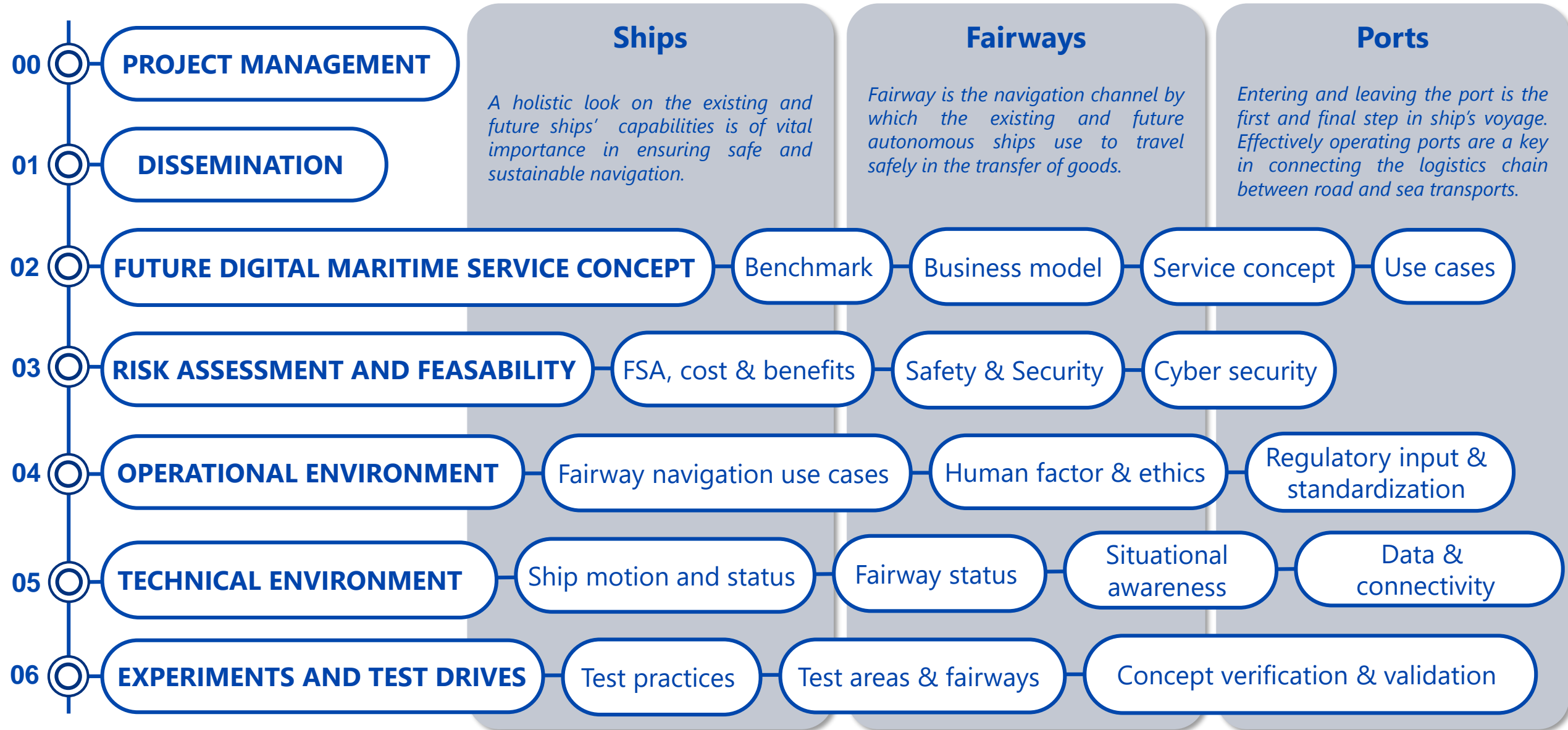
### interoperable Digital Fairway Navigation Experiment

- The mission of iDEFINE is to create a model for safe, sustainable and customer-centric next level fairway navigation and decision-making environment that benefits existing fleets and lays the foundation for future autonomous vessels.
- Target is to disrupt the global maritime business by creating a safe last-mile navigation channel using new knowledge in Human-Machine interaction.
- The program utilizes multidisciplinary innovation and research for multipurpose maritime business and society.

Shipping can be thought to have approach areas similar to aviation. These include open sea (e.g. North Baltic), SRS supervised area (e.g. The Gulf of Finland), EEZ, territorial sea, VTS-zone, commercial fairways, harbor area.



*"iDEFINE project relies on applied research to find solutions for next level navigation"*



**Ships**

*A holistic look on the existing and future ships' capabilities is of vital importance in ensuring safe and sustainable navigation.*

**Fairways**

*Fairway is the navigation channel by which the existing and future autonomous ships use to travel safely in the transfer of goods.*

**Ports**

*Entering and leaving the port is the first and final step in ship's voyage. Effectively operating ports are a key in connecting the logistics chain between road and sea transports.*

# High Level Roadmap

