



Creating Autonomous Shipping through Pilots and Experiments

DIMECC

Image © Rolls-Royce

**The One Sea – Autonomous
Maritime Ecosystem
is exceptionally advanced
and a natural step towards
digitalizing marine industry.**



DIMECC is a co-creation ecosystem that combines digitalization, internet, materials and engineering. The objective of **One Sea** is to create the world's first autonomous maritime ecosystem by 2025.

A large container ship, the 'TSINGTAO EXPRESS', is shown from an aerial perspective, sailing on a dark blue ocean. The ship's deck is densely packed with multi-colored shipping containers in shades of orange, yellow, green, and blue. The ship's hull is dark blue with 'Hapag-Lloyd' written on the side. The ship is moving towards the left, leaving a white wake behind it. The sky is a clear, pale blue.

Global pioneers of marine industry are leading the business-driven project.

DIMECC One Sea

One Sea Partners

ABB
Cargotec
Ericsson
FinFerries
Finnpilot Pilotage
Meyer Turku
Rolls-Royce
Tieto
Wärtsilä

ABB

MEYER TURKU
SHIPYARD 1737

CARGOTEC
HIBB · KALMAR · MACGREGOR

tieto


ERICSSON

 **Rolls-Royce**

 **FinFerries**


FINNPILOT


WÄRTSILÄ

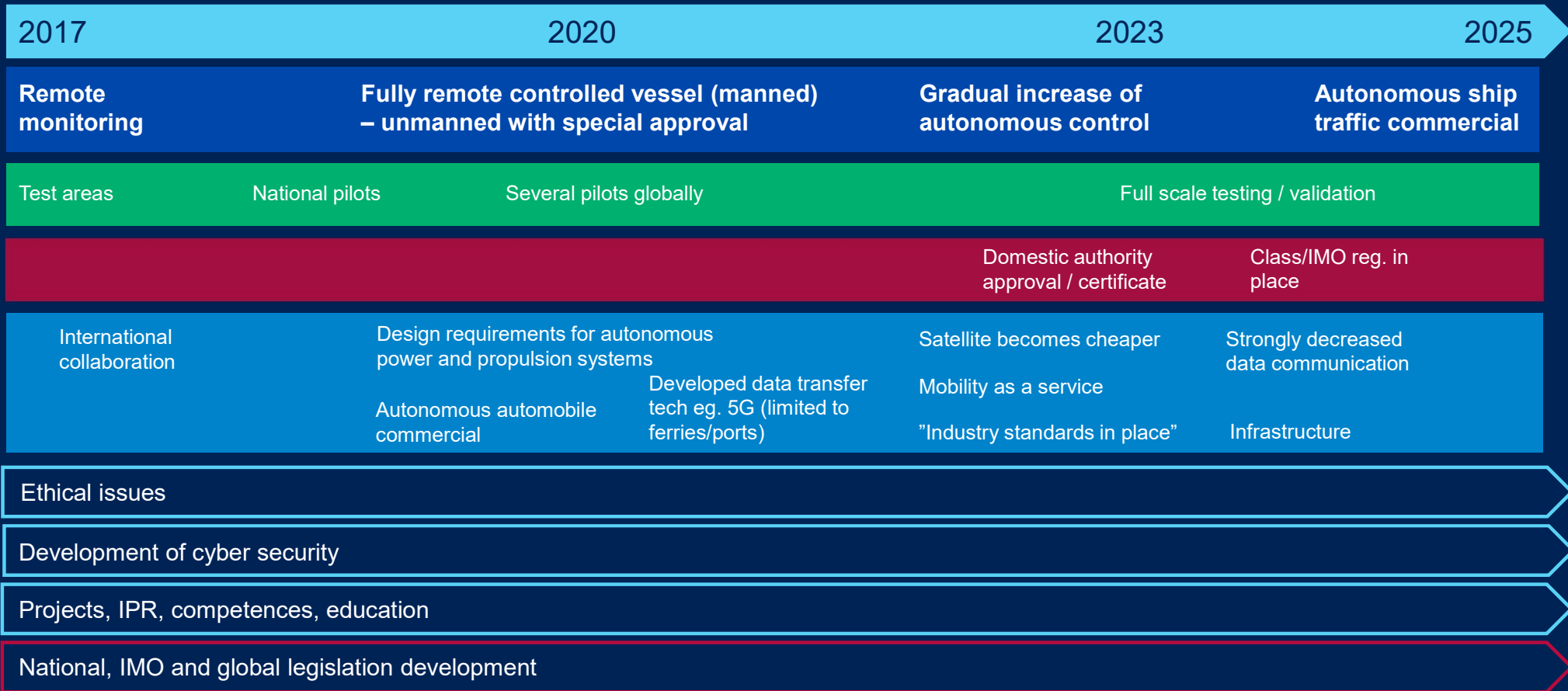
 **Meriteollisuus**
Finnish Marine Industries

Tekes

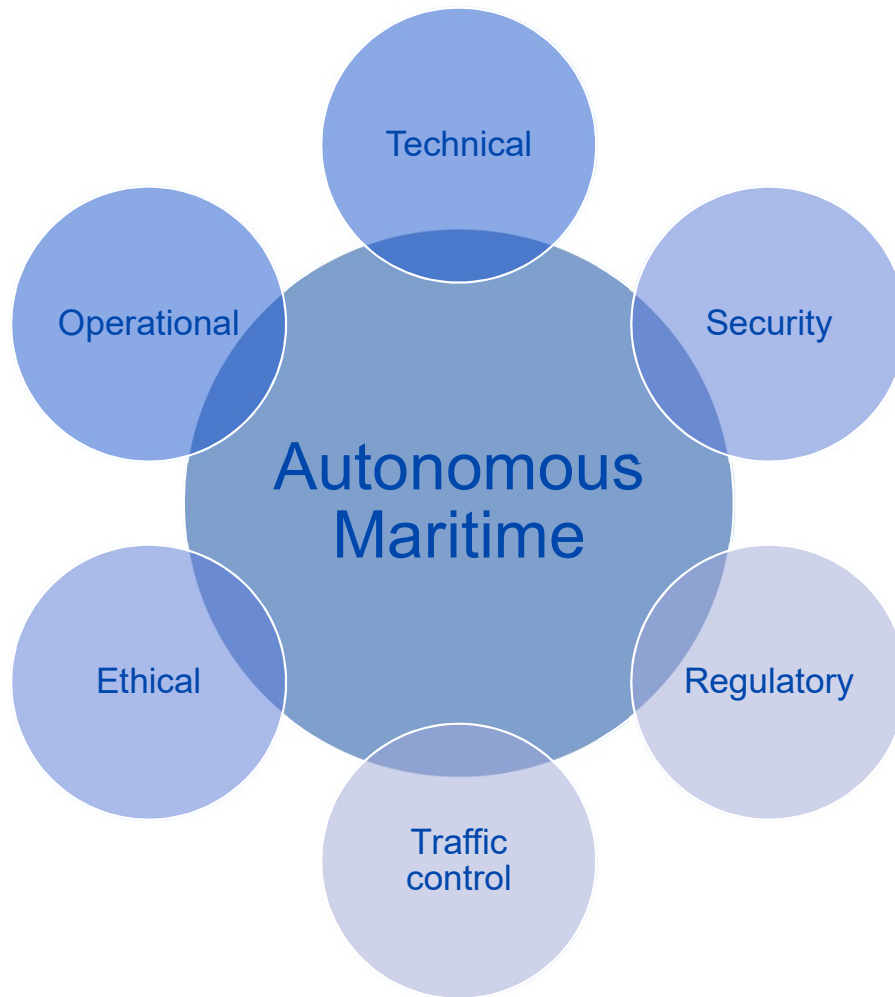
Ecosystem activities

Ecosystem Core Activities	Vision & Strategy	Roadmaps
Ecosystem Program Activities <i>Open to all parties</i>	Product & service creation	
	Startup ecosystem	
	Pilots, PoC's	
	R&D Programs	
	Rules & regulations	
	Test areas, Labs	

Timeline for autonomous ships



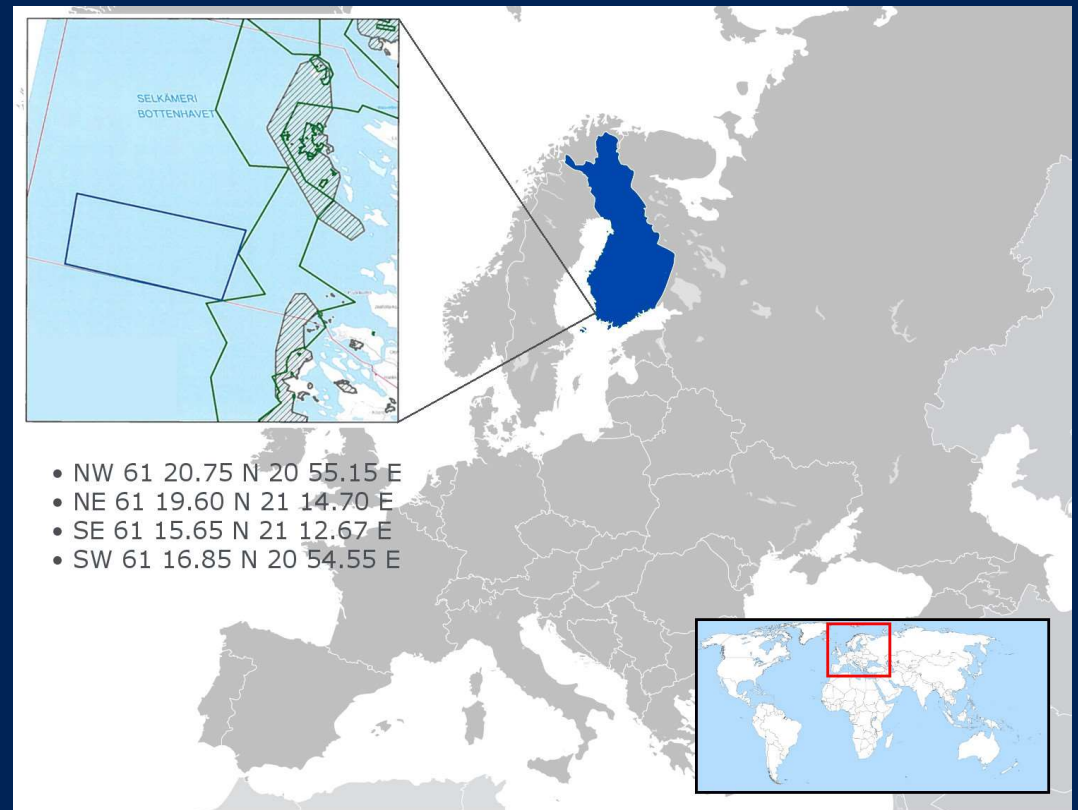
DIMECC One Sea Main themes



Rules and regulations



- **Jaakonmeri is a test area is open to all** companies, research institutes and others wishing to test autonomous maritime traffic, vessels, or related technologies.
- **Located in the coastal area of Finland**, the test area's longest side to the north is approximately 17.85 km long and the western side is approximately 7.10 km long
- **The test area will have excellent data connectivity and services available.** The connectivity services, offered through DIMECC's partners, will be developed incrementally to offer various services to enhance the test experience.

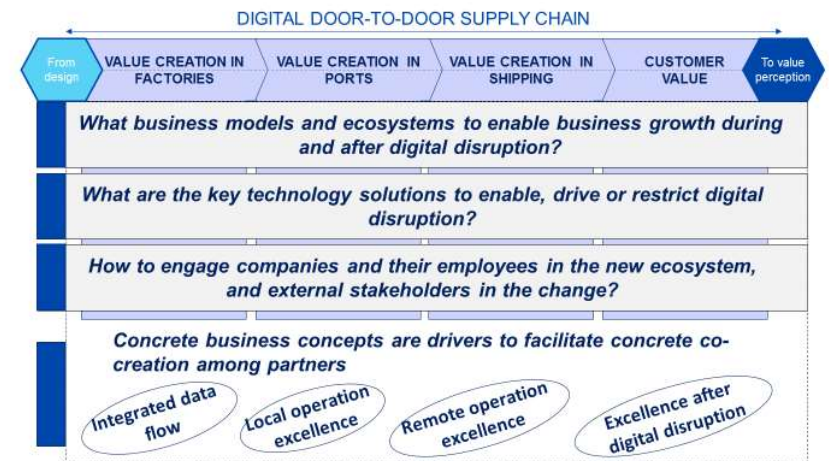


The DIMECC D4Value program focuses on autonomous supply chain

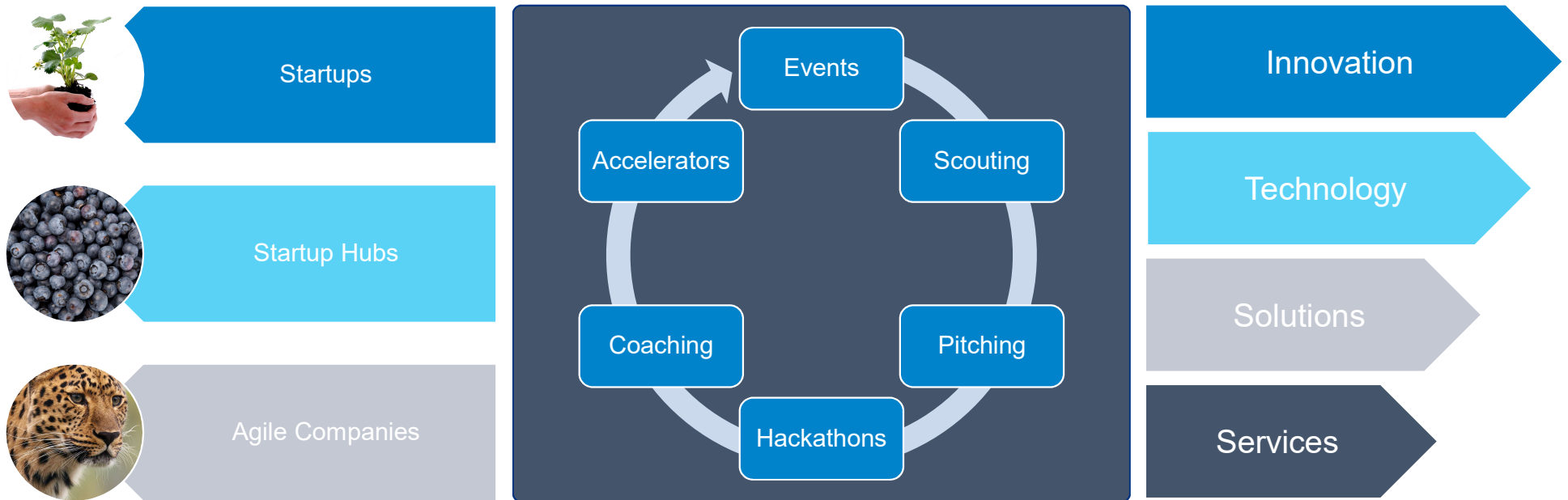
- **Autonomous maritime logistics** → The D4Value program has an important role in the autonomous maritime ecosystem roadmap implementation
- **Manufacturing use case in digitalization**

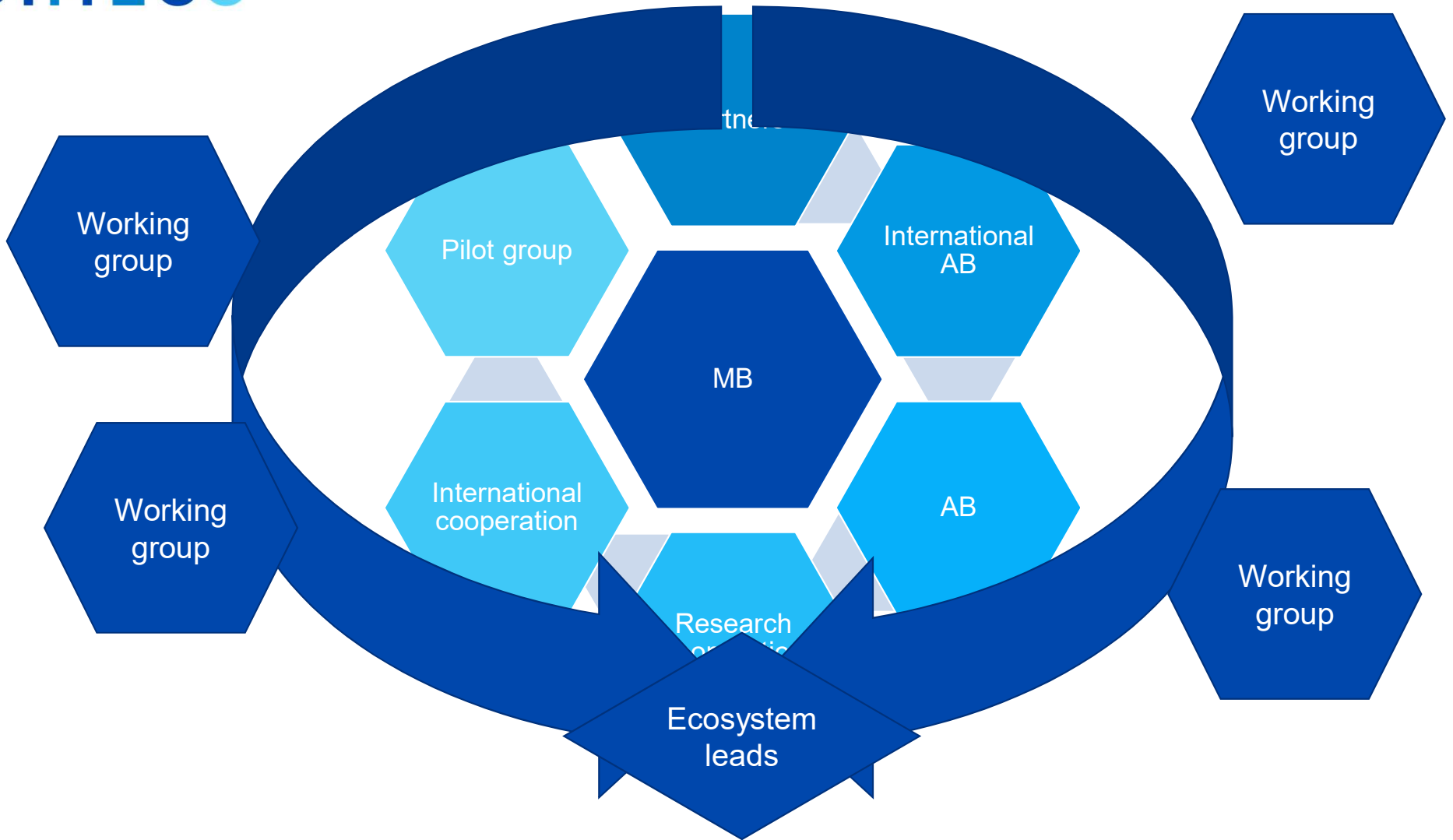
Business concepts are tools for research and pilots

- **Business models and ecosystem transformation & design**
- **Technology solutions, digital platforms**
- **Engaging companies and people to new ecosystem; Legal, regulatory and societal aspects**



Start-up ecosystem





Conferences, presentations, meetings... during 2017

10 International conferences

15 Presentations / key notes

6 Workshops

155 Meetings with connected parties (authorities,
research organizations, companies)

500 Established contacts





DIMECC One Sea

DIMECC's co-creation ecosystem One Sea seeks global partners to join the leading research co-creation ecosystem.

Join us!

www.oneseaecosystem.net

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