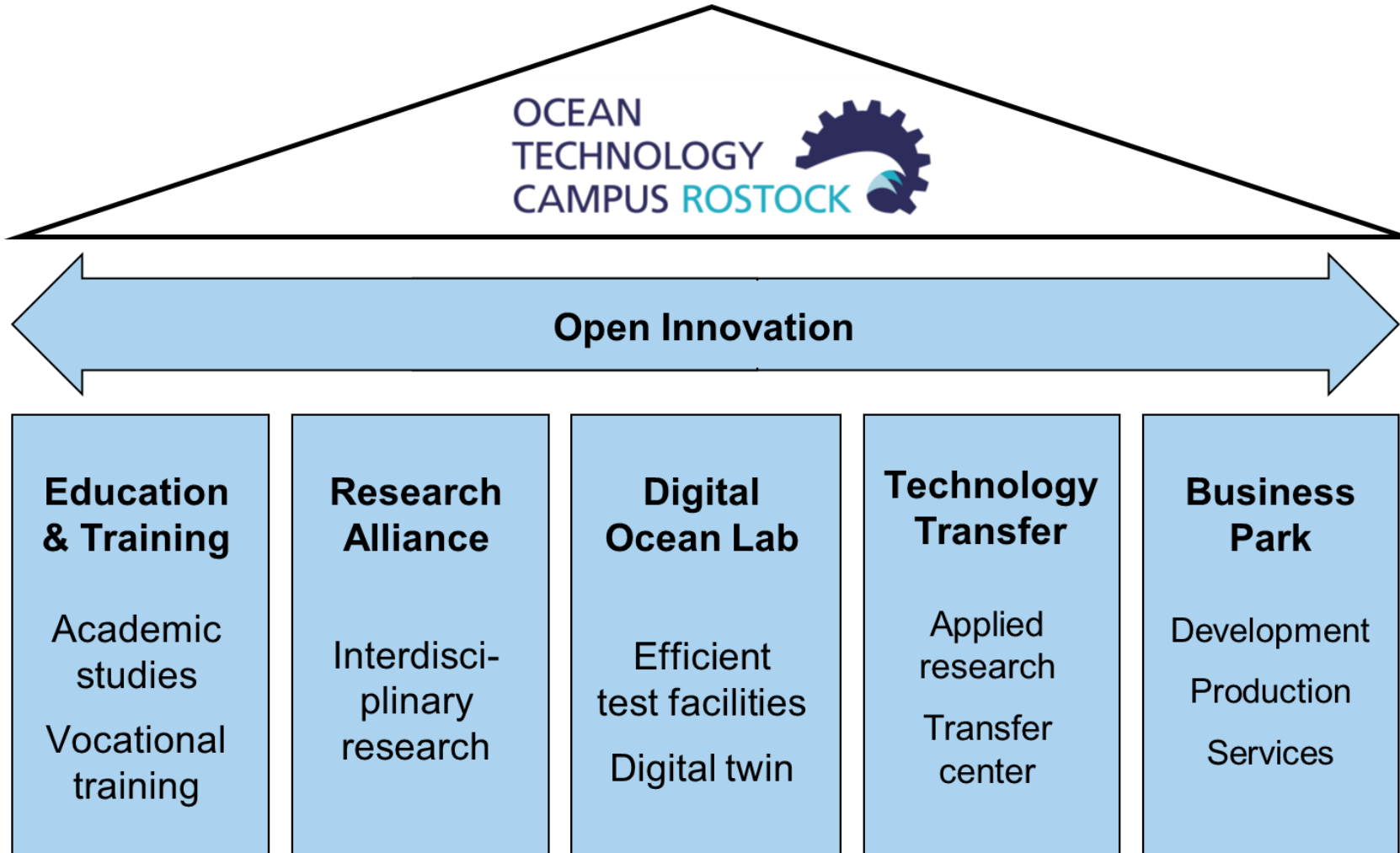


Towards sustainable Subsea Solutions

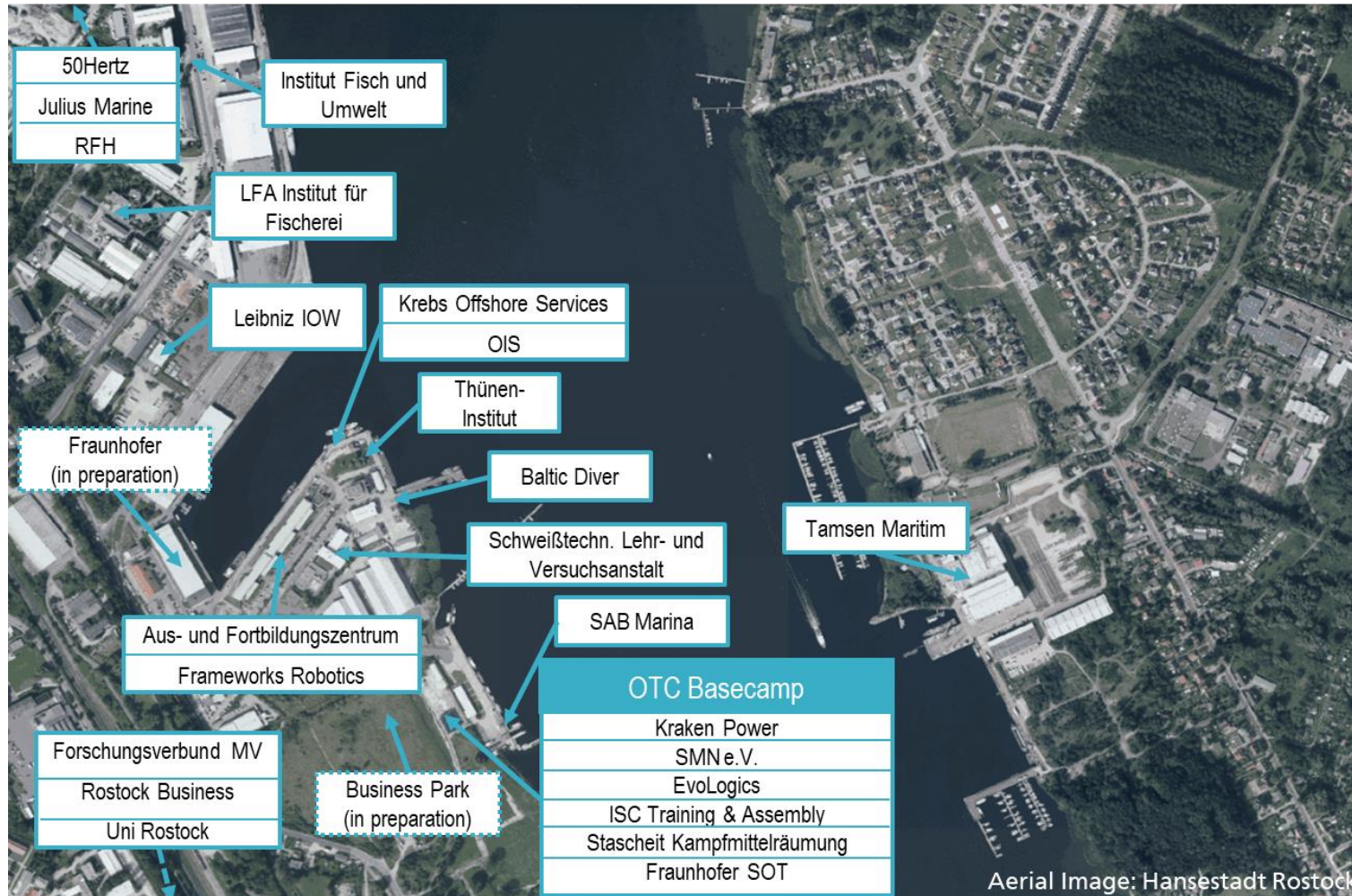


Rostock, 25.8.2021

Prof. Uwe Freiherr von Lukas (Fraunhofer / University of Rostock)

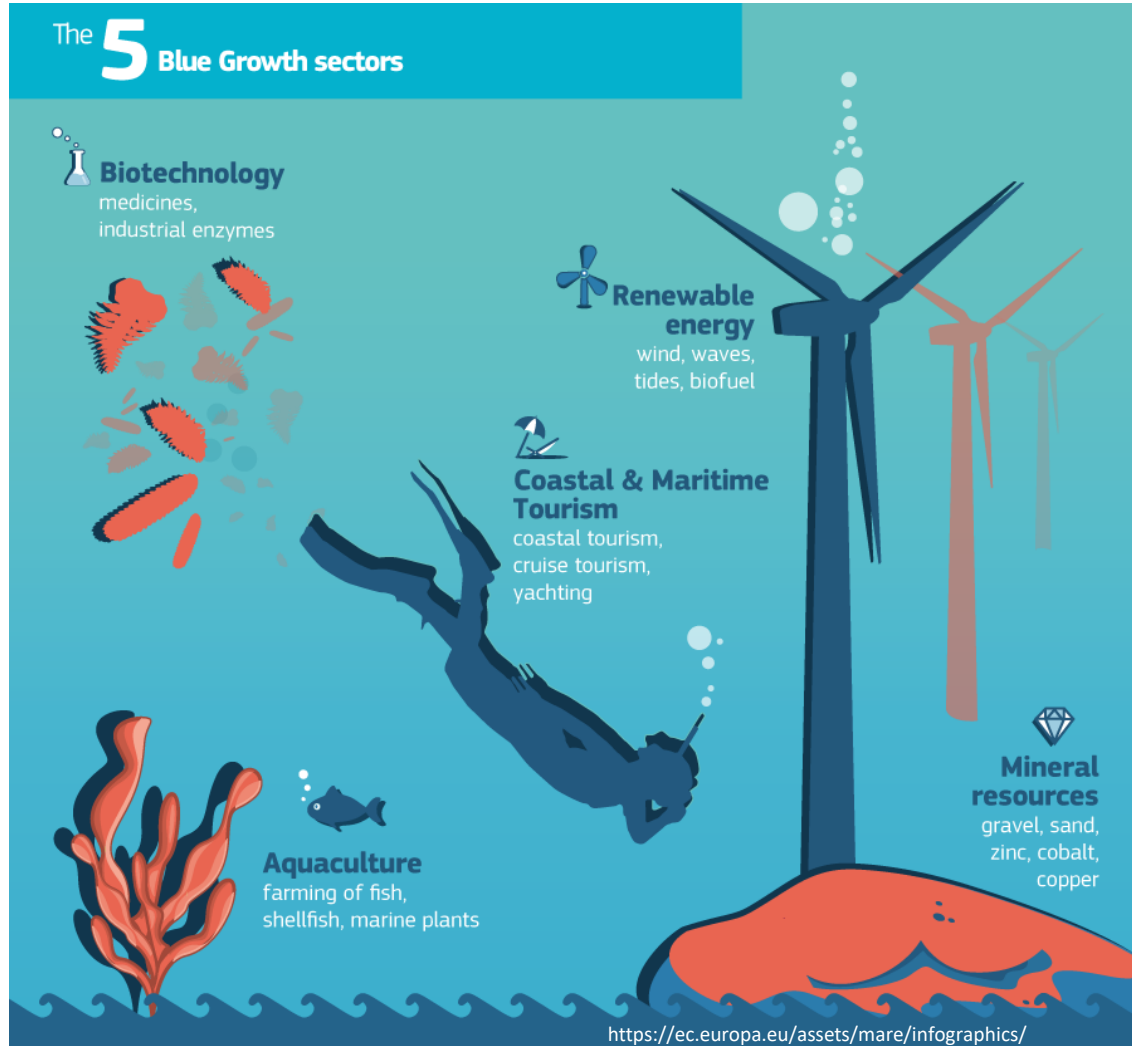


Critical Mass



- Good mixture
 - Research institutes, technology companies and service providers
 - Well-established companies and start-ups
- Connecting to maritime heritage (former fishery port)
- From short distance to tight collaboration

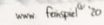
Shared Visions/Opportunities...



... and Challenges

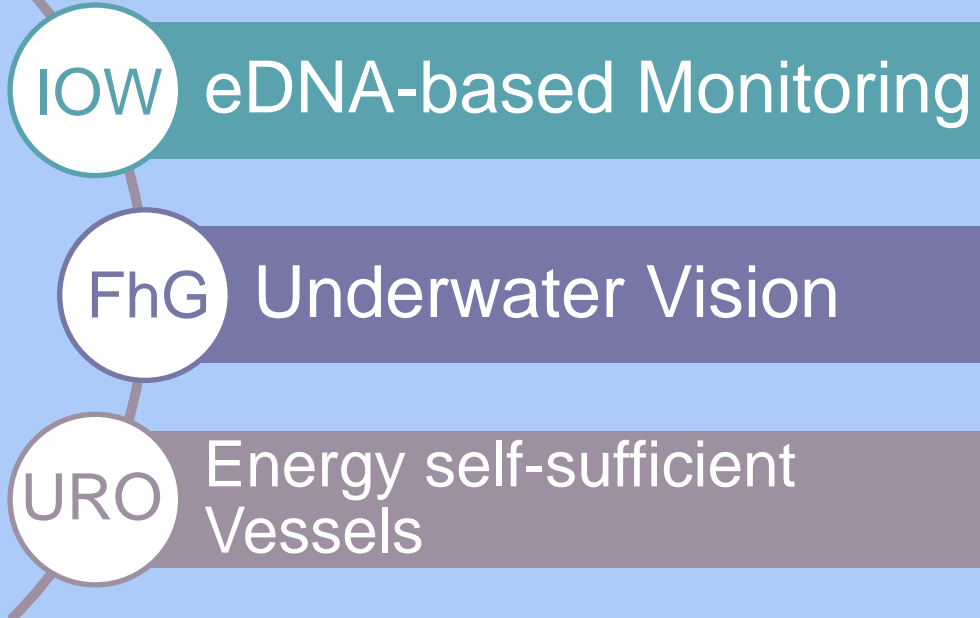
- Combine sustainability with commercial success
- Speed-up innovation
- Attract skilled employees

OCEAN
TECHNOLOGY
CAMPUS ROSTOCK

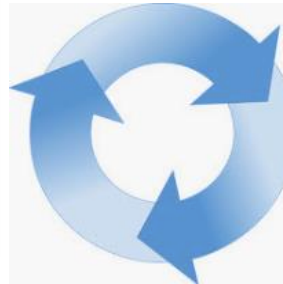
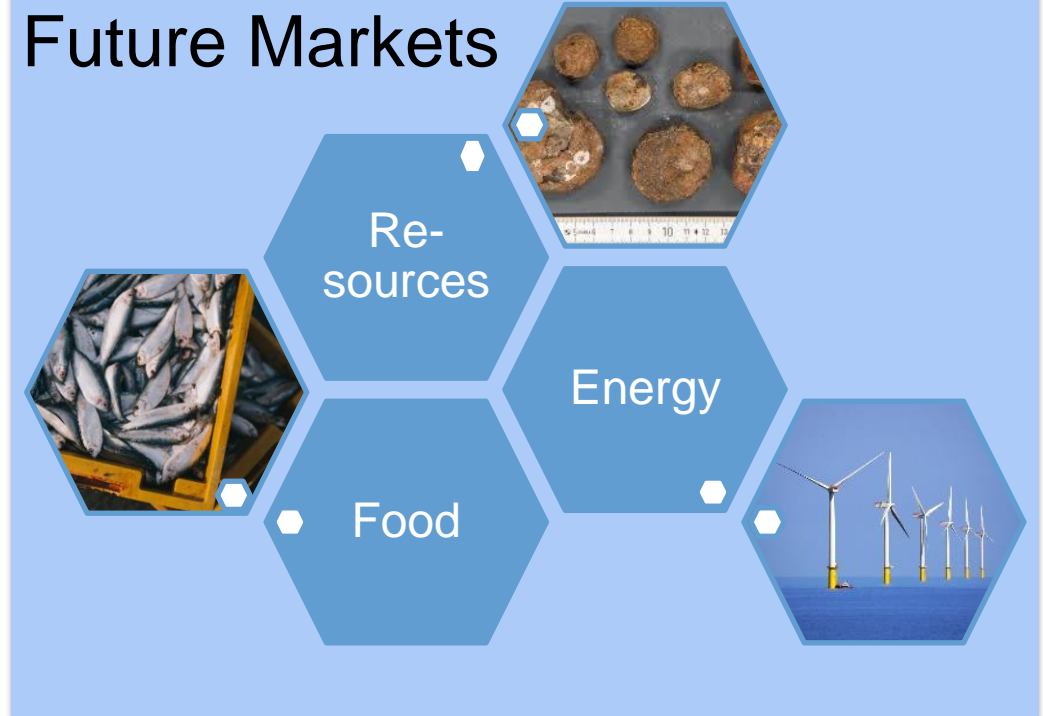


Technology for Sustainable Usage of the Oceans

Excellence in Research



Future Markets



Subsea Mobility
& Autonomy

Digital Mission

Ocean Lense

Sustainable
Ocean Use

Ocean Open
Innovation

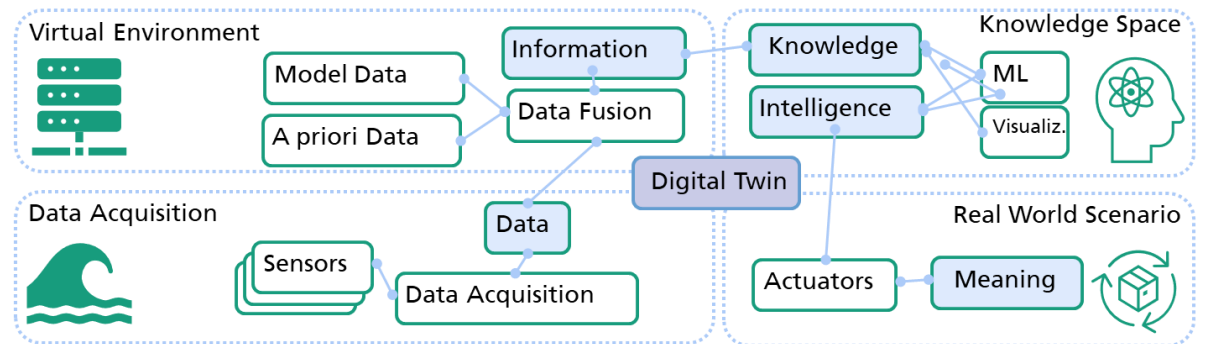
Areas of Innovation

Digital Ocean Lab Rostock

Test Facilities and Infrastructure towards a Digital Twin of the Ocean



- Implementation of a large test-site in the Baltic Sea near Rostock
- Instrumentation in the lab for creating the digital twin
- Access for external partners



Wish List

- Faster processing of R&D proposals
- Flexible mechanisms for financing innovation (including upscaling of business)
- (Legal) Freedom of movement: Sandbox approach
- Tight integration of authorities in the innovation process
 - autonomous shipping
 - Exclusive use → multi use in marine spatial planning