

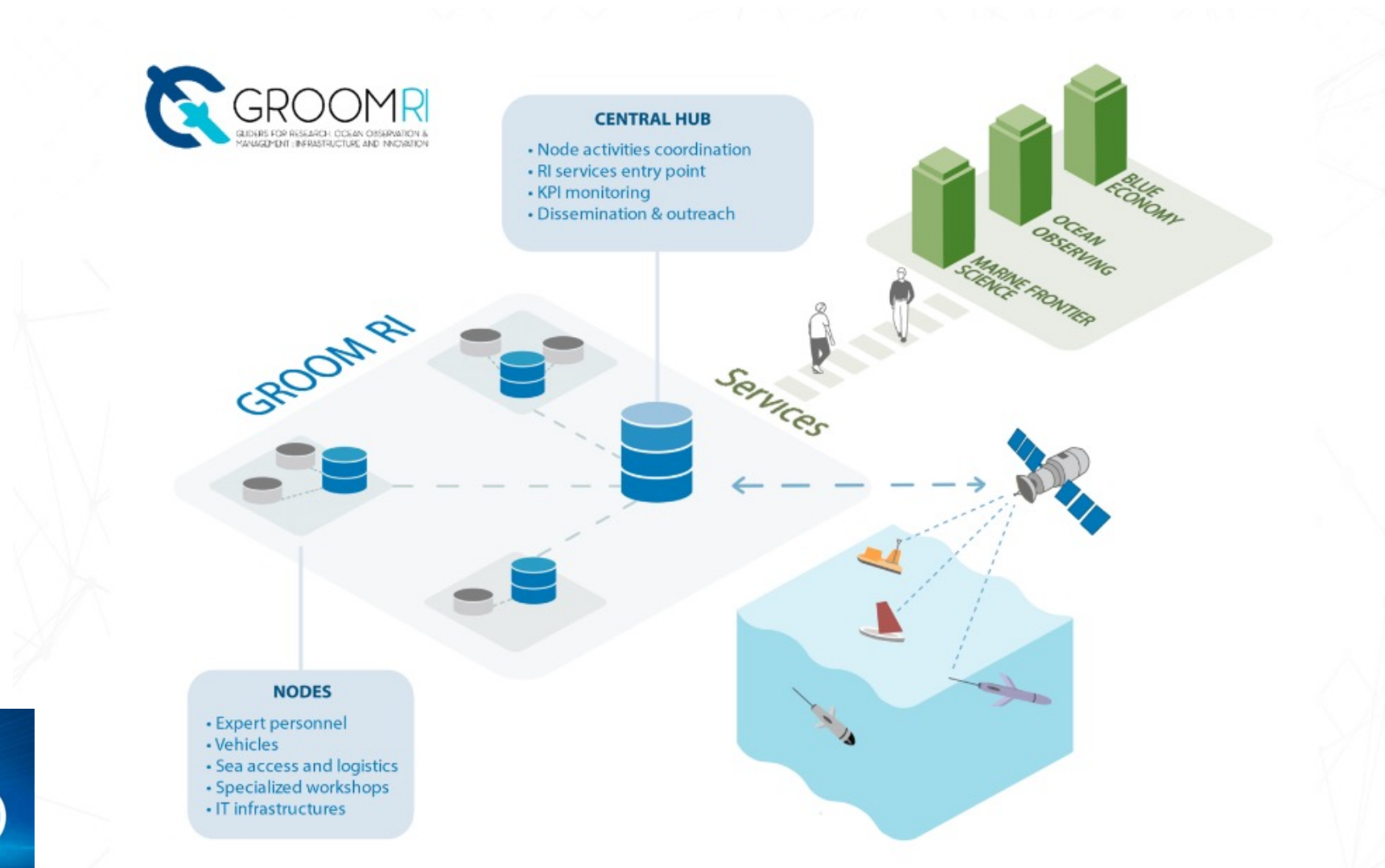


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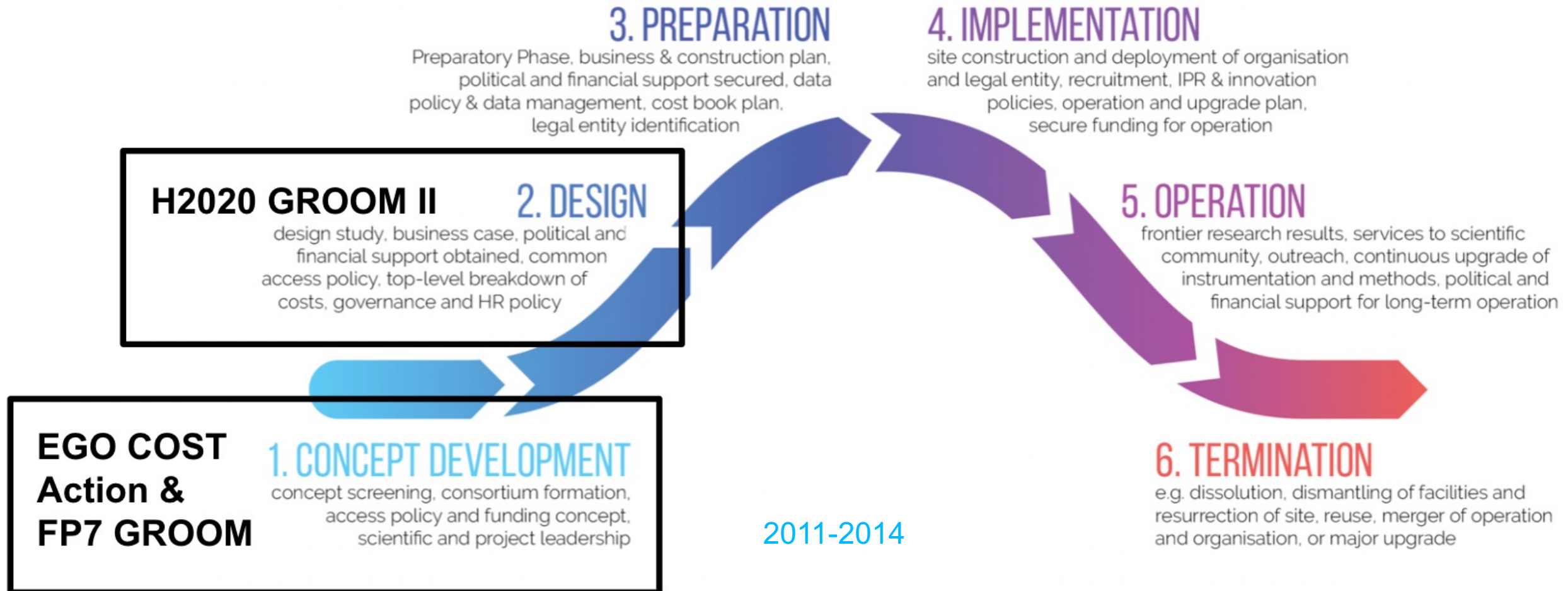
GROOM II - DESIGNING THE TECHNICAL FRAMEWORK OF A FUTURE MAS EUROPEAN RESEARCH INFRASTRUCTURE

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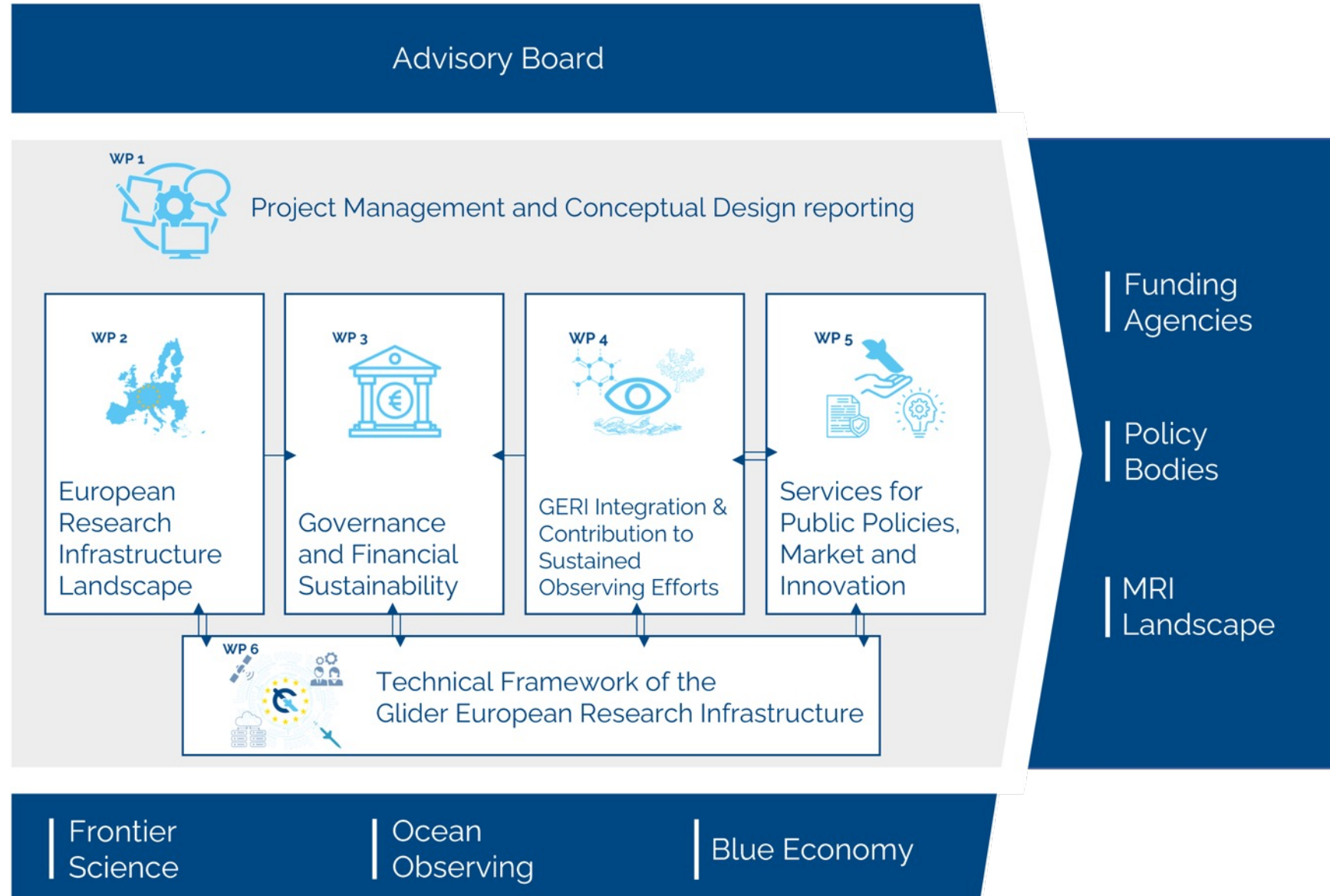
WAIT?, WHAT IS GROOM II?, AND GROOM RI?



THE ESFRI ROADMAP



PROJECT STRUCTURE

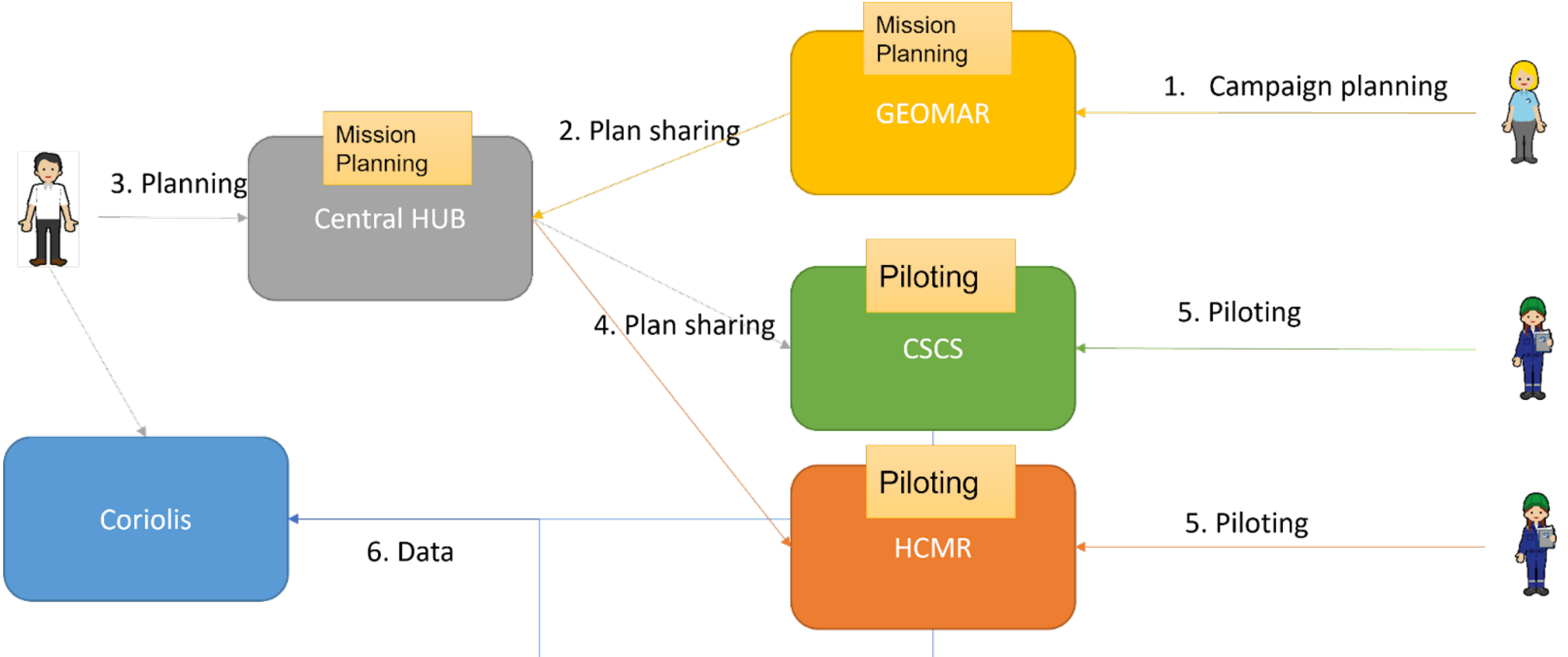




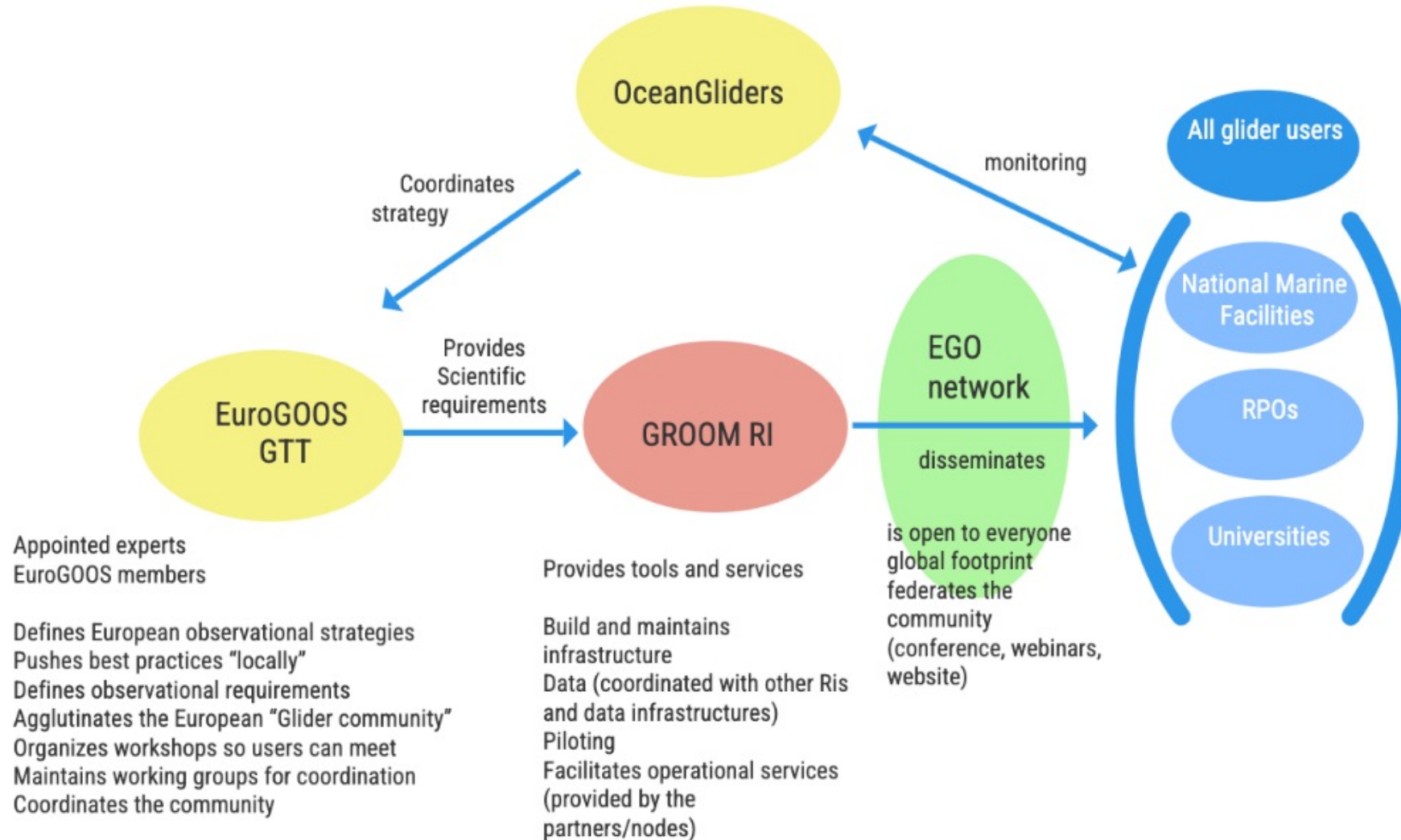
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CHALLENGES TO BUILD THE TECHNICAL FRAMEWORK

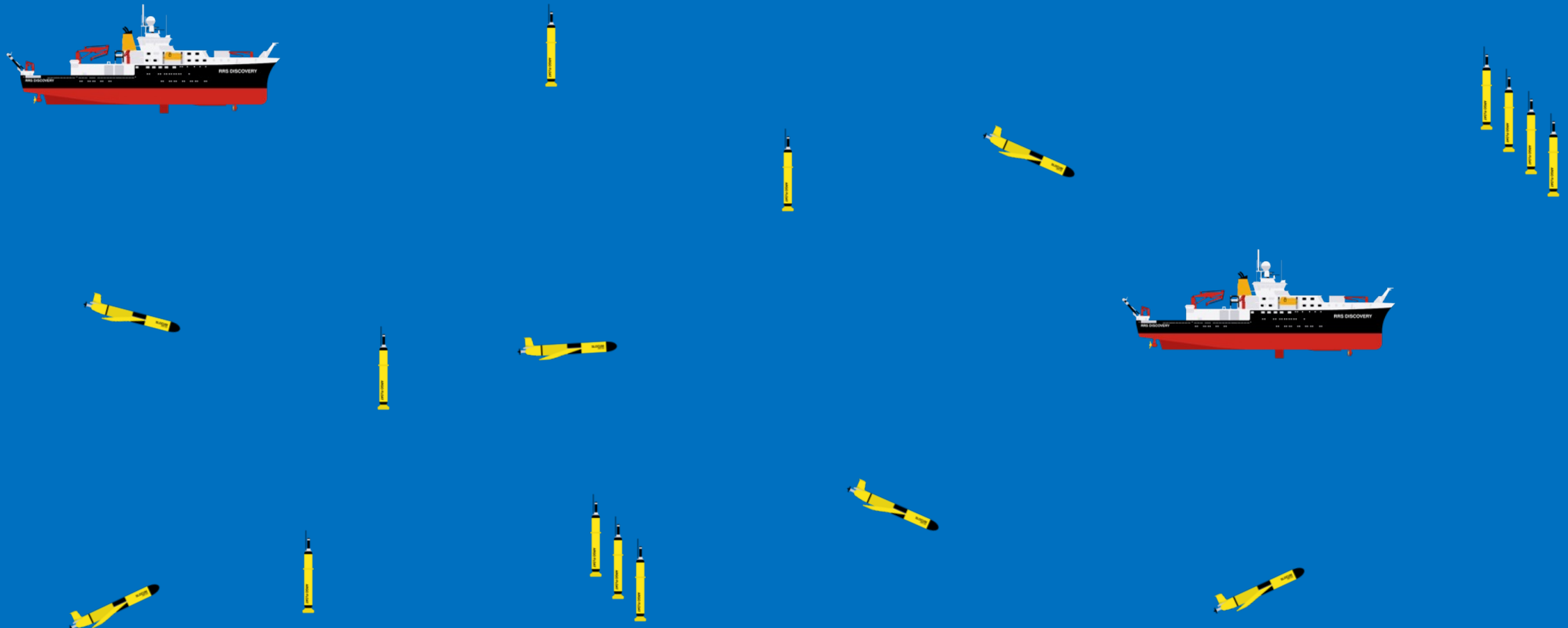
CHALLENGE 1 - A DISTRIBUTED RI



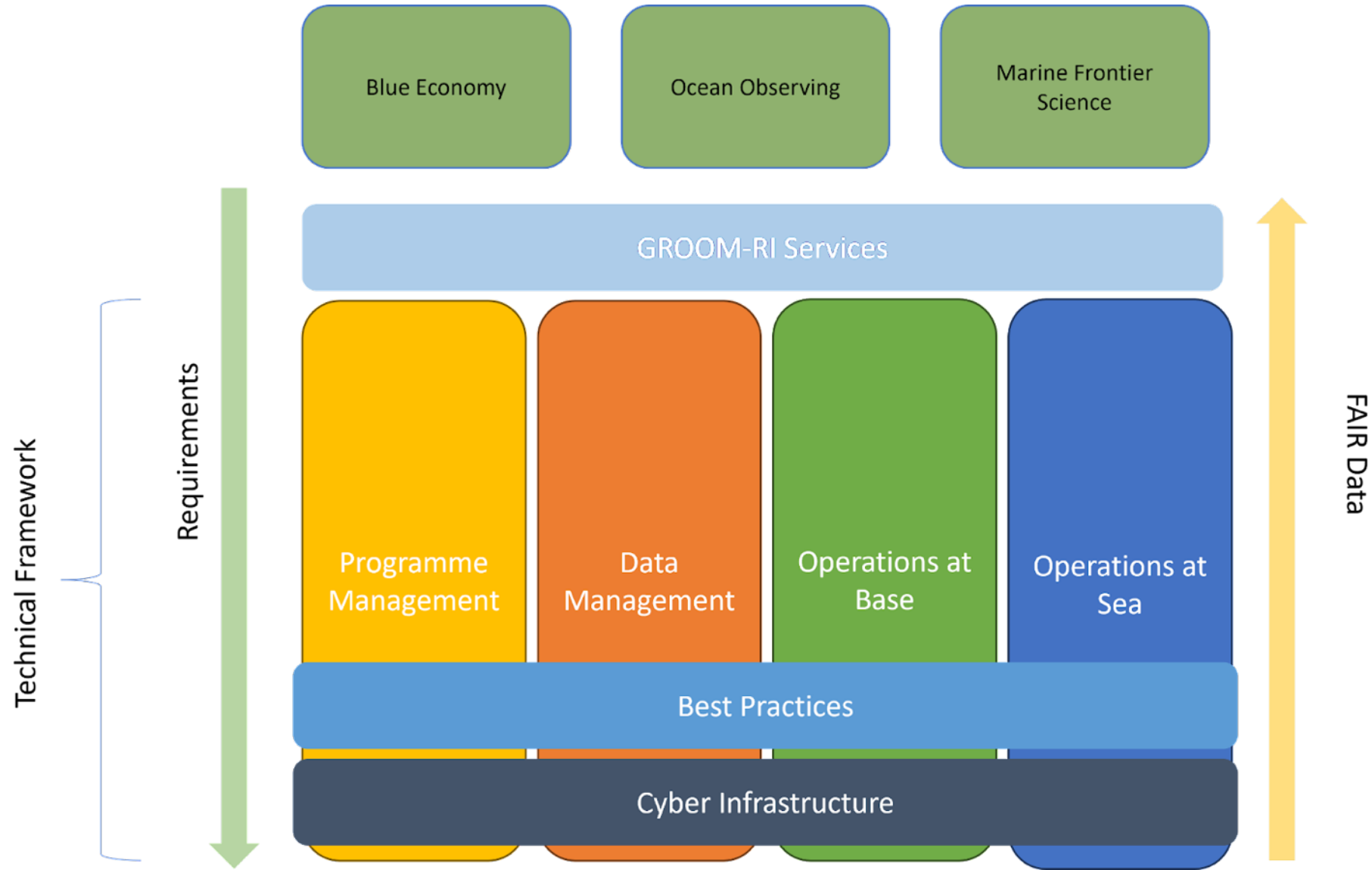
CHALLENGE 2 – OFFER ADDED VALUE TO A DISPERSE COMMUNITY



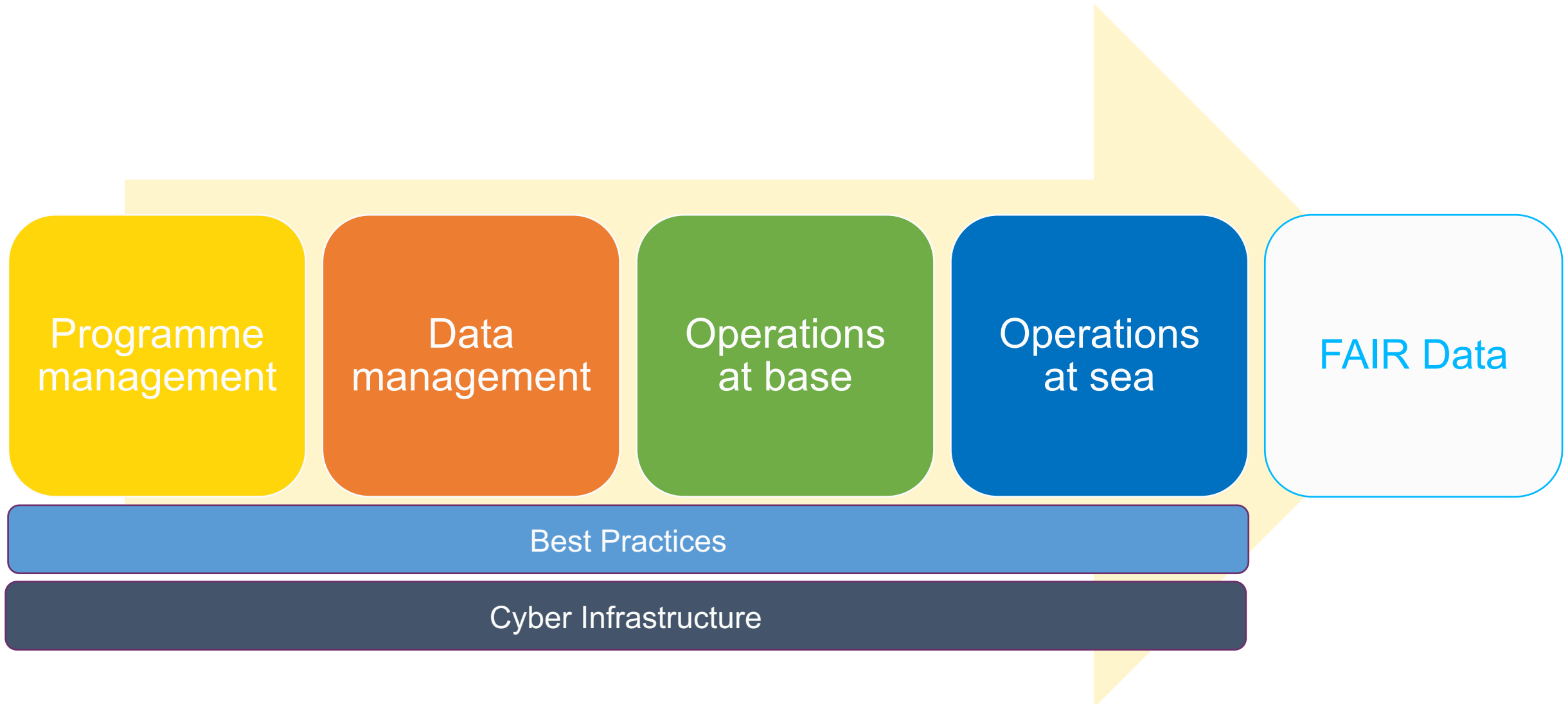
CHALLENGE 3 – FIT FOR PURPOSE FOR THE FUTURE



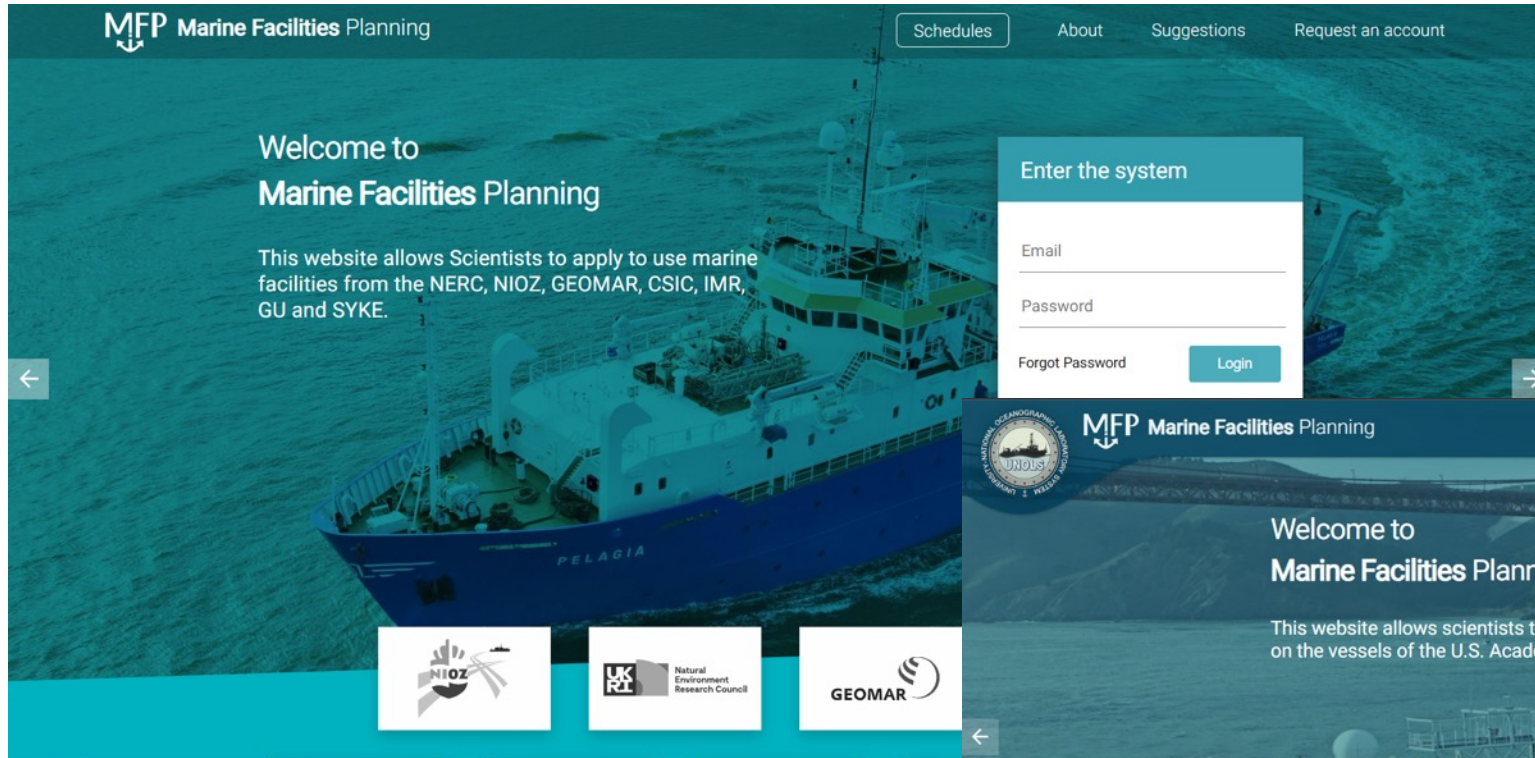
THE GROOM RI TECHNICAL FRAMEWORK



THE TECHNICAL FRAMEWORK AS A WORKFLOW



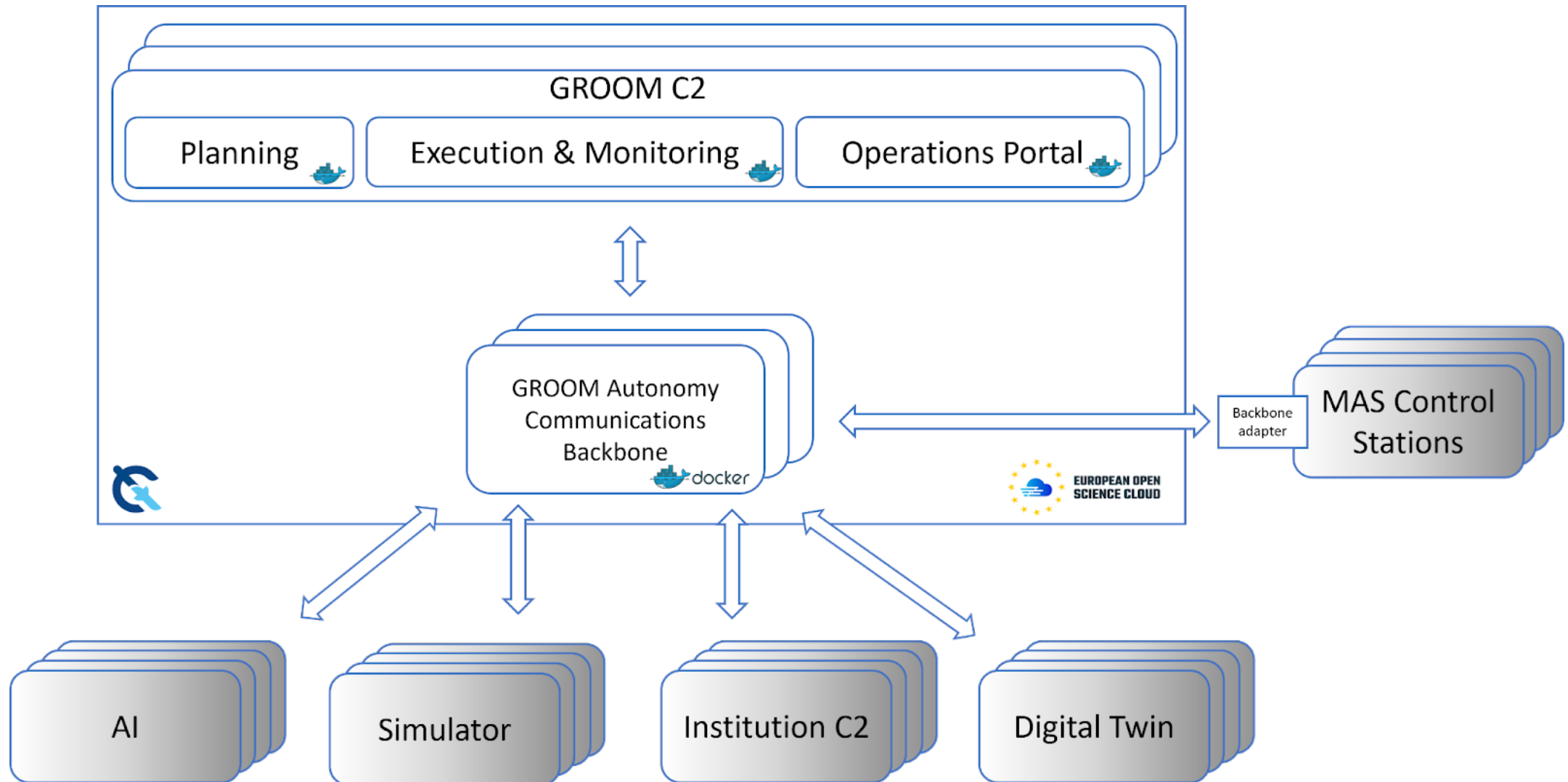
PROGRAMME MANAGEMENT



DATA MANAGEMENT ROADMAP

Research Infrastructure data management		1-2 years	5 years	10 years
Infrastructure	<ul style="list-style-type: none">Proposed structure for future development (cloud-native services & open-source community development)International agreementDefine the data portal's scope	<ul style="list-style-type: none">Operational exemplars of DAC & GDAC managed with open-source community & deployed in EOSCTools and services aligned with international policiesOperational data portal	<ul style="list-style-type: none">Open source solutions for DAC & GDAC management (OceanGliders community)Unambiguous and seamless data flows	
Tools and services	<ul style="list-style-type: none">Scoping of FAIR dataMeeting with OceanGliders 1.0 formatData visualisation requirementsWIS 2.0 - BUFR implementationRTQC consensus on standard testsIntegration data methodologies into OBS framework	<ul style="list-style-type: none">FAIR data alignment with IOC data policyData visualisation and user interface for priorityWIS 2.0 - BUFR implementedRTQC - standard toolsDMQC - 1-2 EOVS + cloud native toolsAlignment and publication of data methodologies with OBS framework	<ul style="list-style-type: none">Data visualisation and user interface to meet the diverse range of usersRTQC- Operational BGC RTQCDMQC - 90% of observed EOVS allowing for new ones to come through + cloud native toolsSustainable & efficient route for new EOVS	
Network management	<ul style="list-style-type: none">Agreement of the scope of MASScope tools to harmonize metadata management & planning tools for EOS observations	<ul style="list-style-type: none">Sensor and platform metadata integrated into the EOSComplete vocabulary collectionsAgreement of the scope of MASTools to harmonize metadata management & planning tools for observations across marine RI	<ul style="list-style-type: none">Planning and network management integrated in the EOSGlobally recognised processes to entrain new sensors and platforms	
Network evolution	<ul style="list-style-type: none">New networking groups on emerging sensors and platformsScope processes to entrain new sensors and capabilities	<ul style="list-style-type: none">Process to entrain new sensors and capabilities as part of wider OG activity	<ul style="list-style-type: none">Globally recognised processes to entrain new sensors and platforms	
Skills and training	<ul style="list-style-type: none">Data skills audit	<ul style="list-style-type: none">Training courses on the gaps in data skills	<ul style="list-style-type: none">Training network and activities	
The GROOM RI user community	<ul style="list-style-type: none">Define the user community	<ul style="list-style-type: none">Establish coordination groups and committees	<ul style="list-style-type: none">Sustainable data user community	

PILOTING CYBER-INFRASTRUCTURE



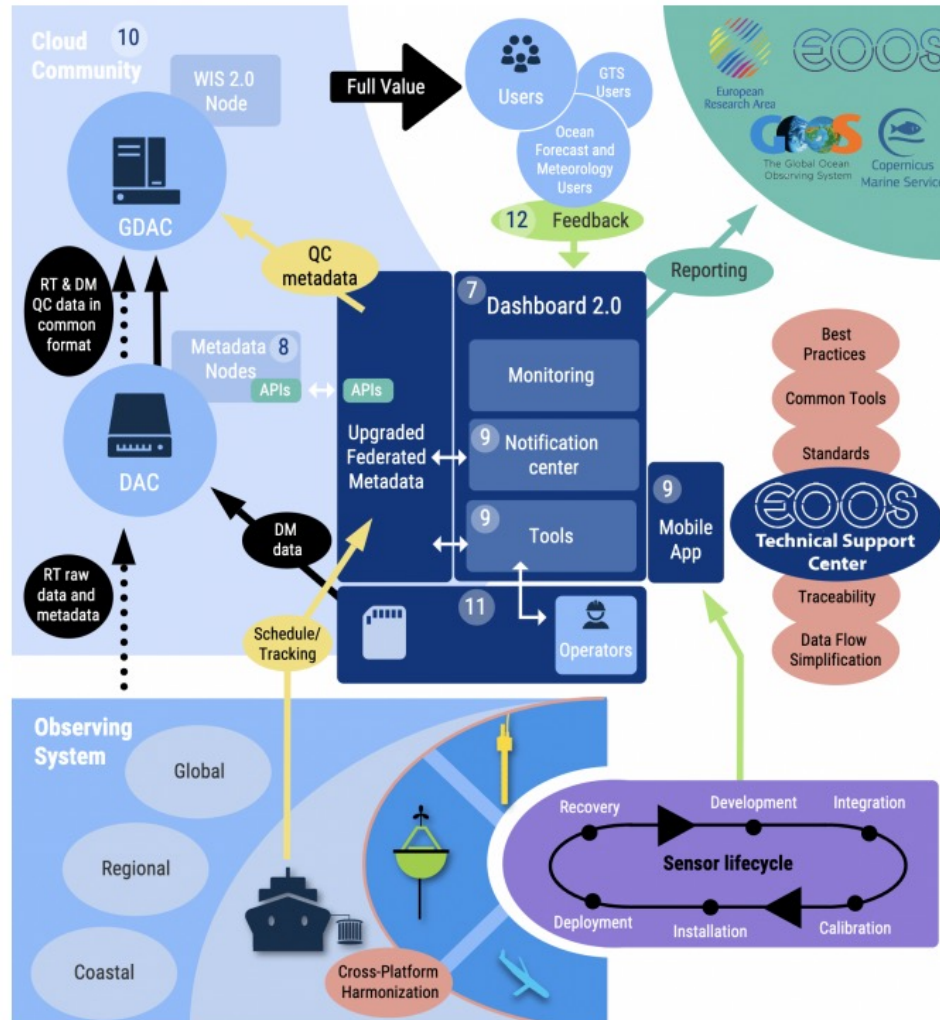
OPERATIONS AT BASE AND SEA



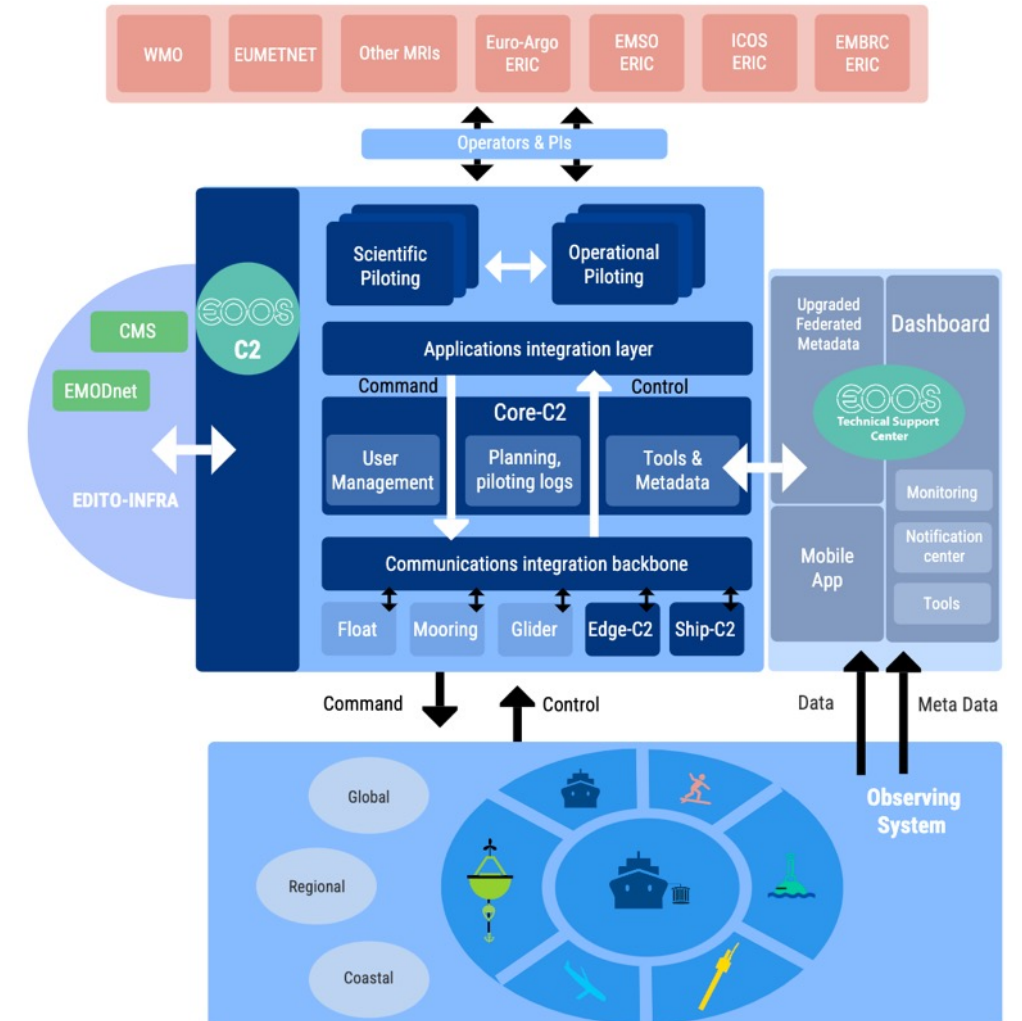
Endorsement

LEGACY

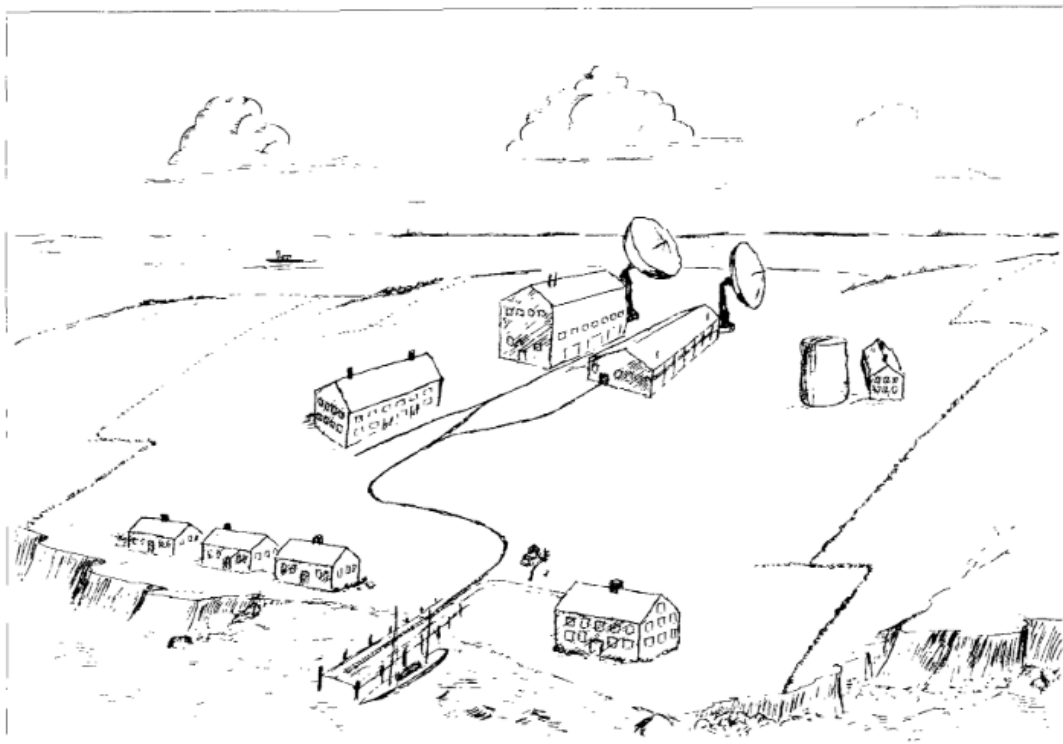
AMRIT

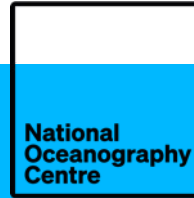


AMRIT-C2



THE FUTURE





THANK YOU

For more information, please get in touch with us:

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GROOM II Was funded by the European Union's Horizon 2020 research and innovation programme under grant agreement No 951842

