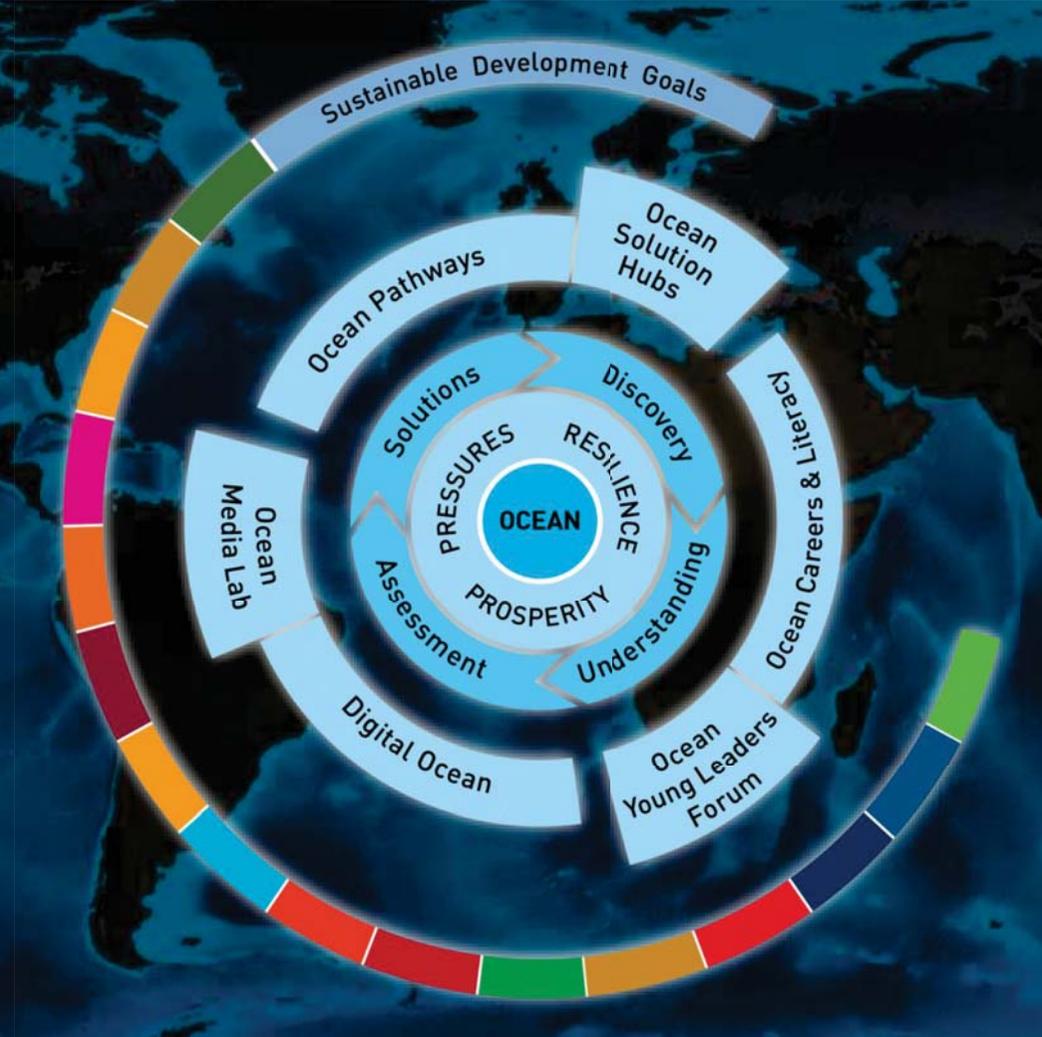




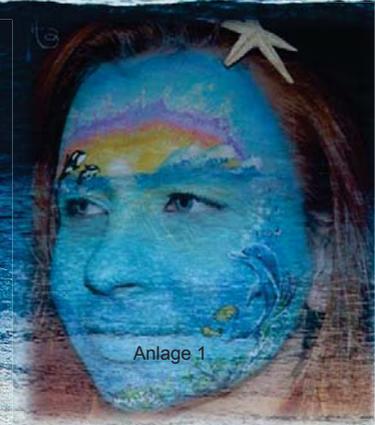
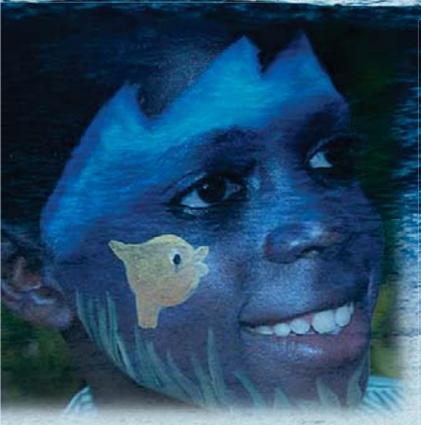
FUTURE OCEAN SUSTAINABILITY

Prof. Dr. Nele Matz-Lück

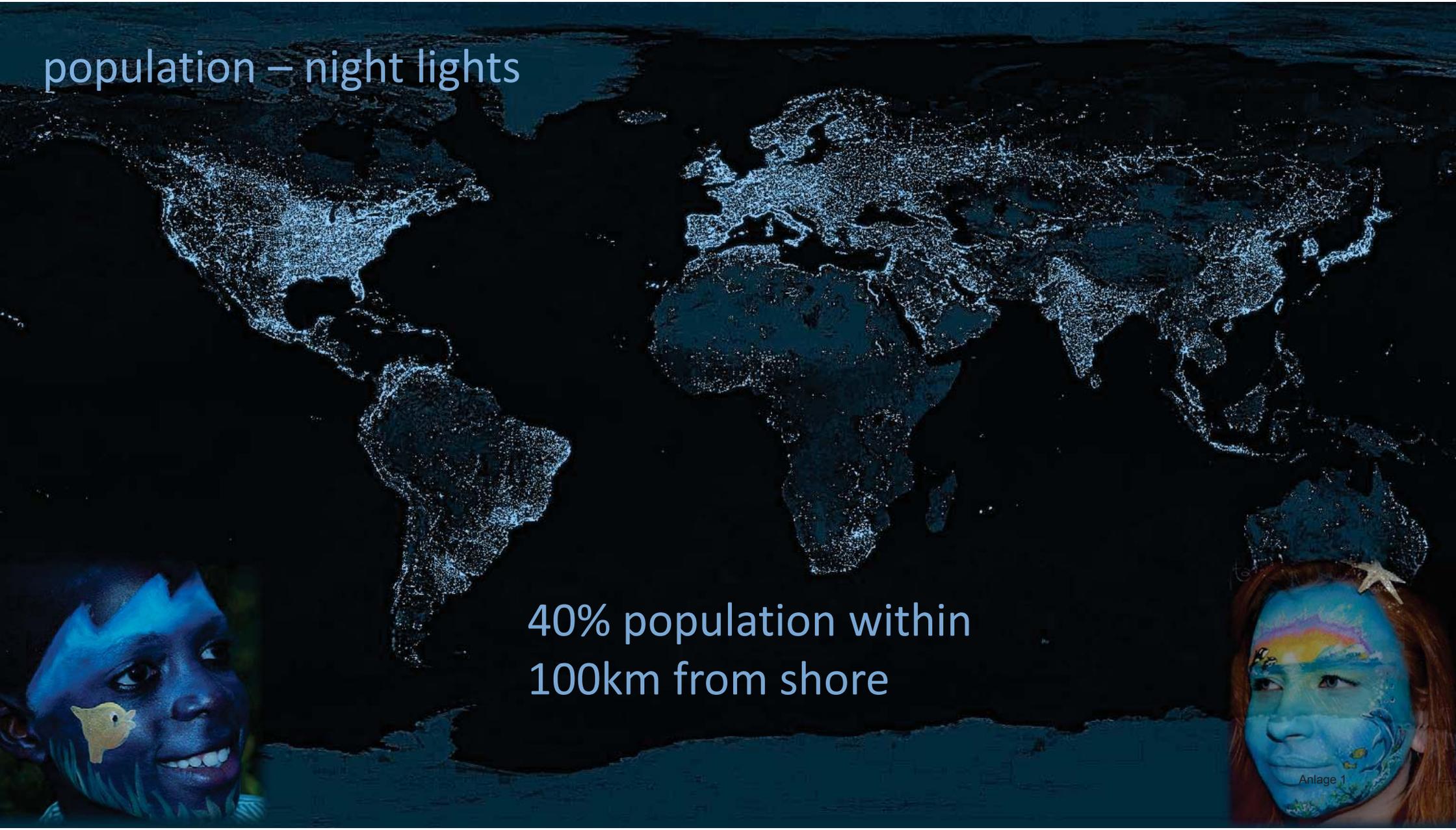
Ko-Sprecherin des Exzellenzclusters



UNDERSTANDING THE OCEAN – SUSTAINING OUR FUTURE

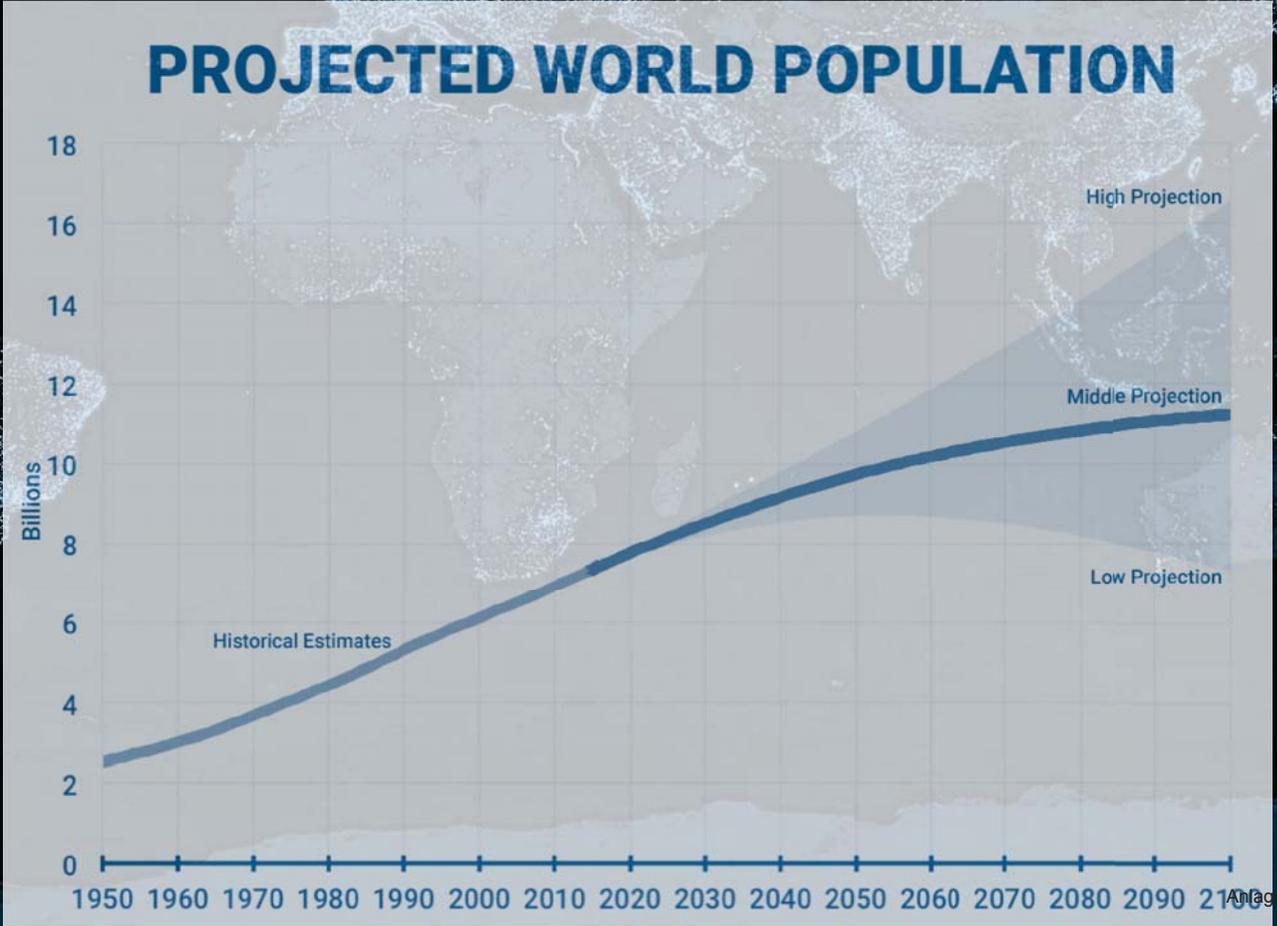


population – night lights

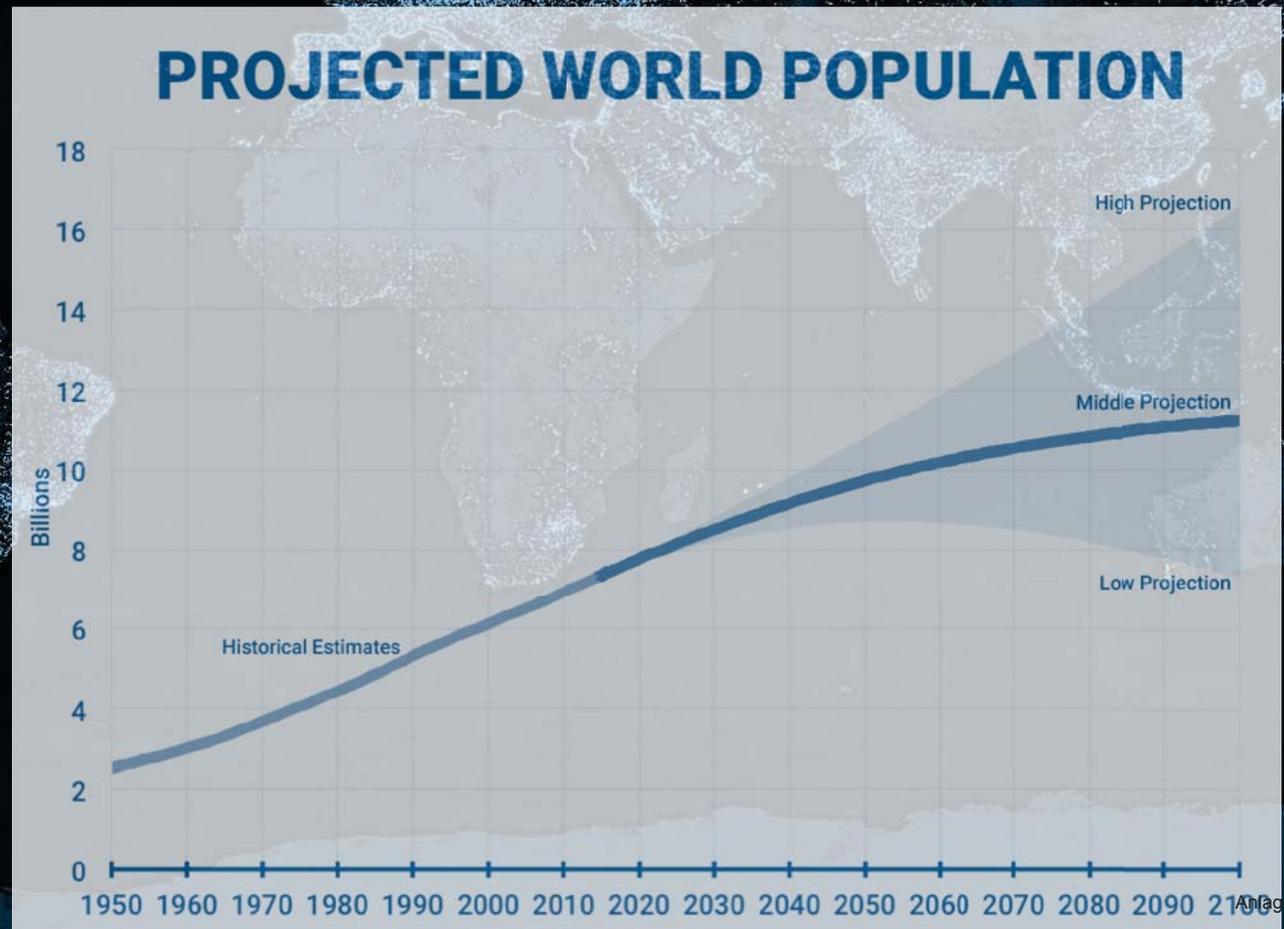


40% population within
100km from shore





A growing population...
increased demands on the ocean space:
food, transport, materials, energy, tourism

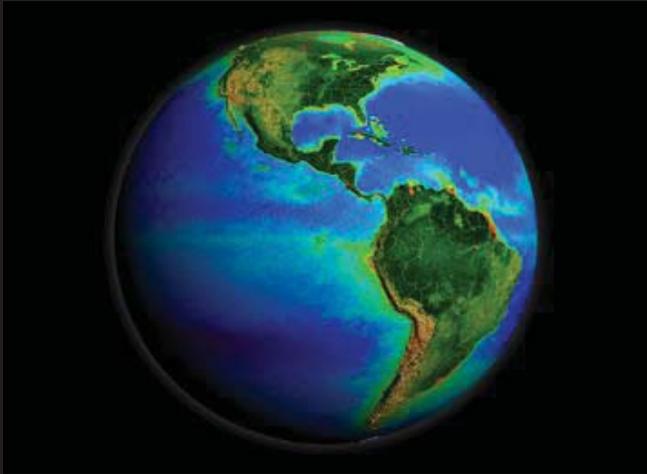
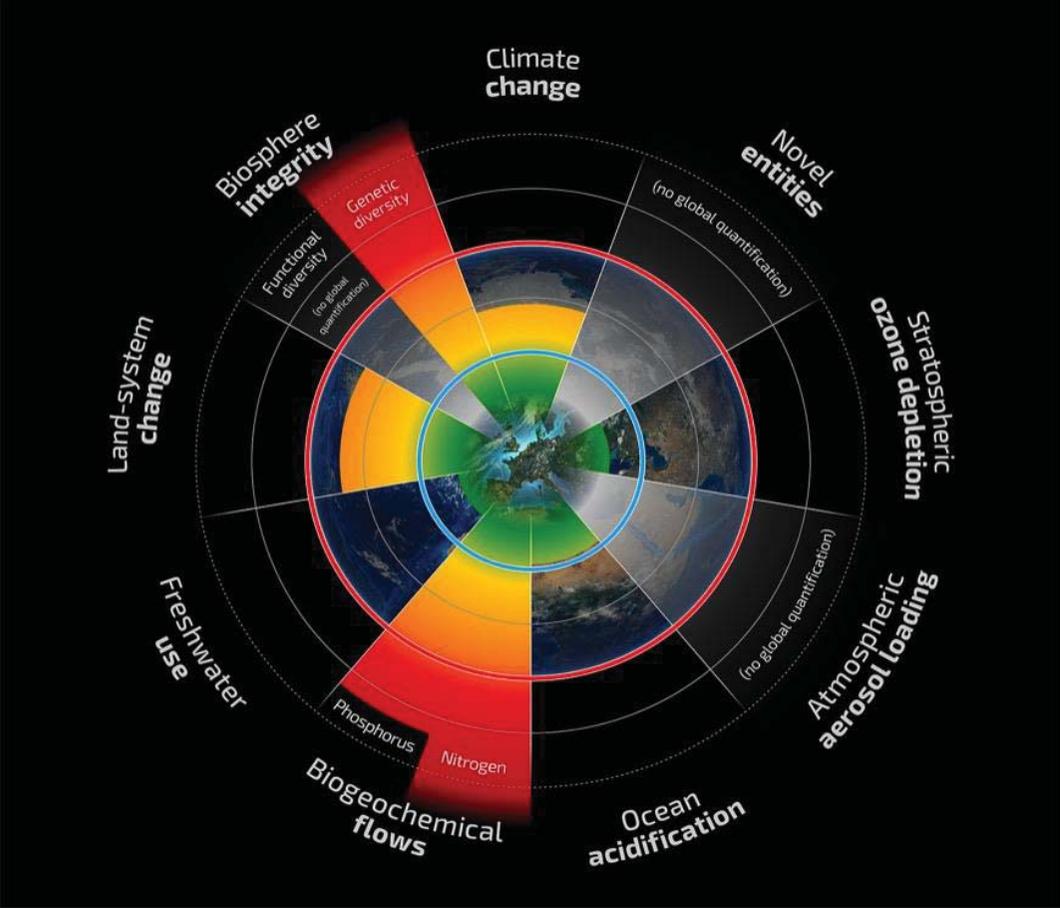




A growing population...
increased demands on the ocean space:
food, transport, materials, energy, tourism

And yet we only have

Development needs to respect planetary boundaries

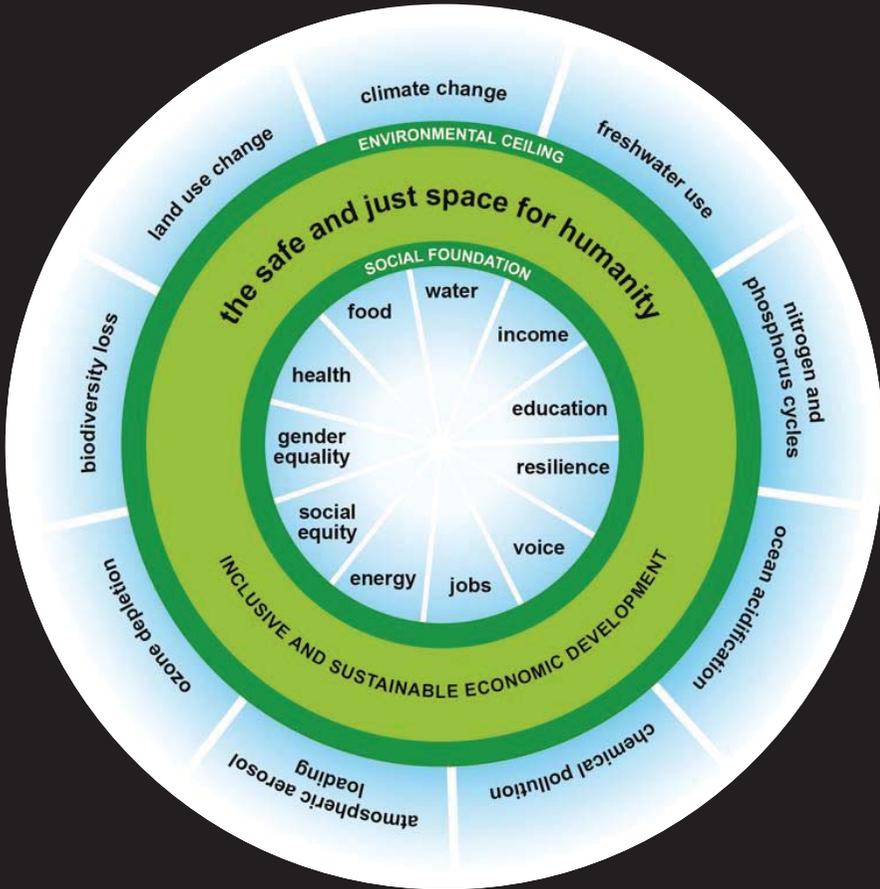


One Planet
One Ocean

Development needs to respect planetary boundaries

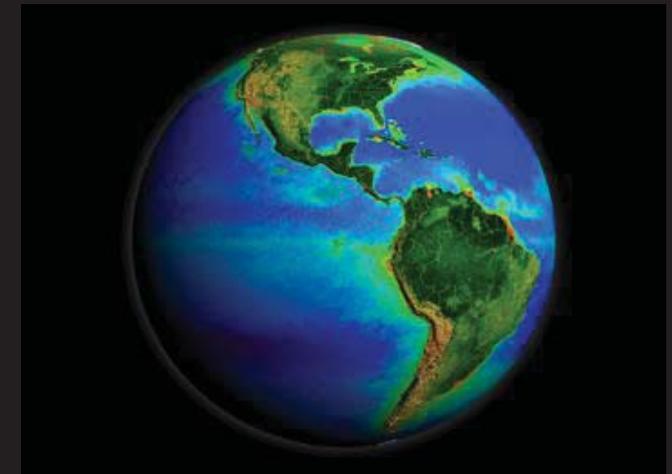


One Planet
One Ocean



What is the safe and just operating space for humanity?

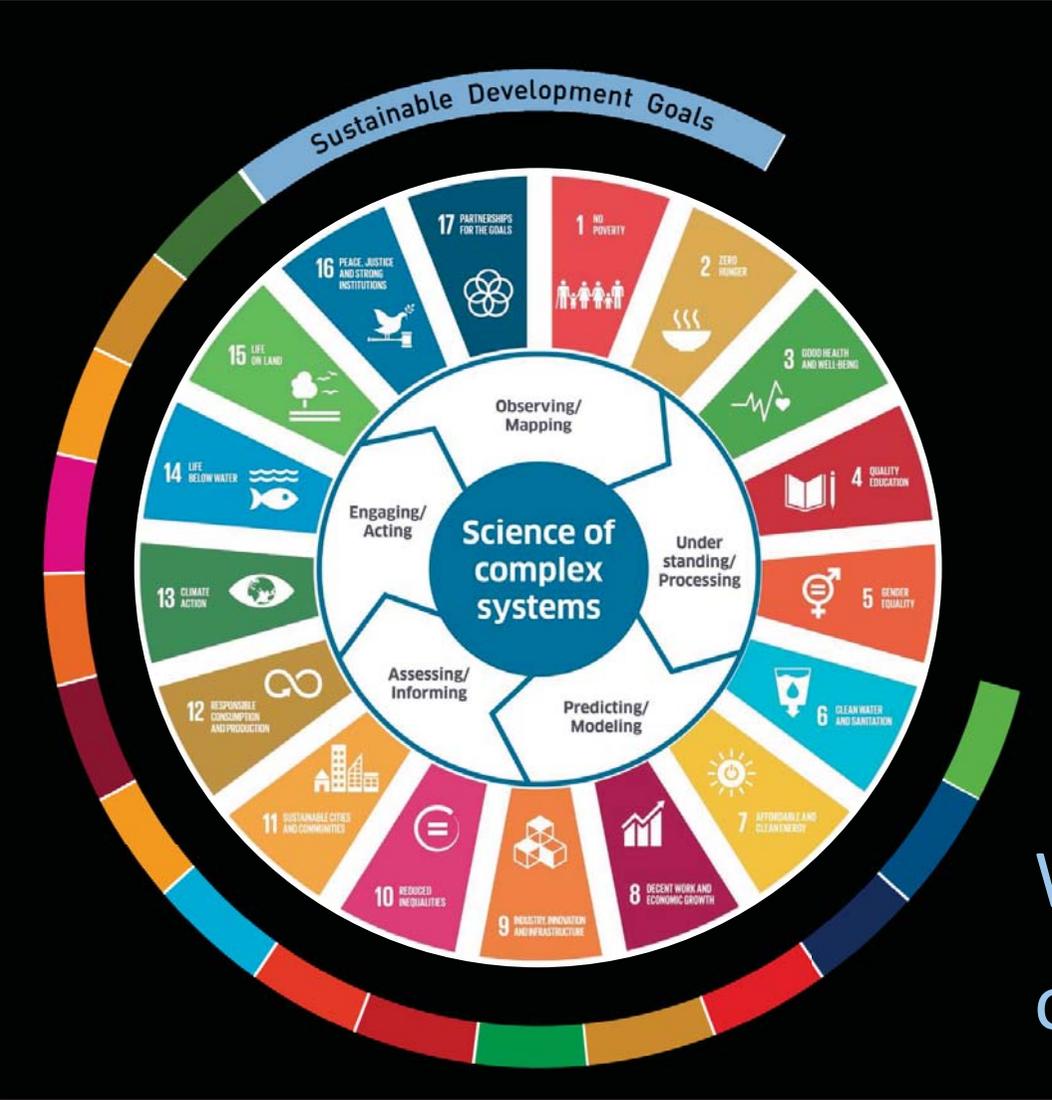
Development needs to respect planetary boundaries



One Planet
One Ocean

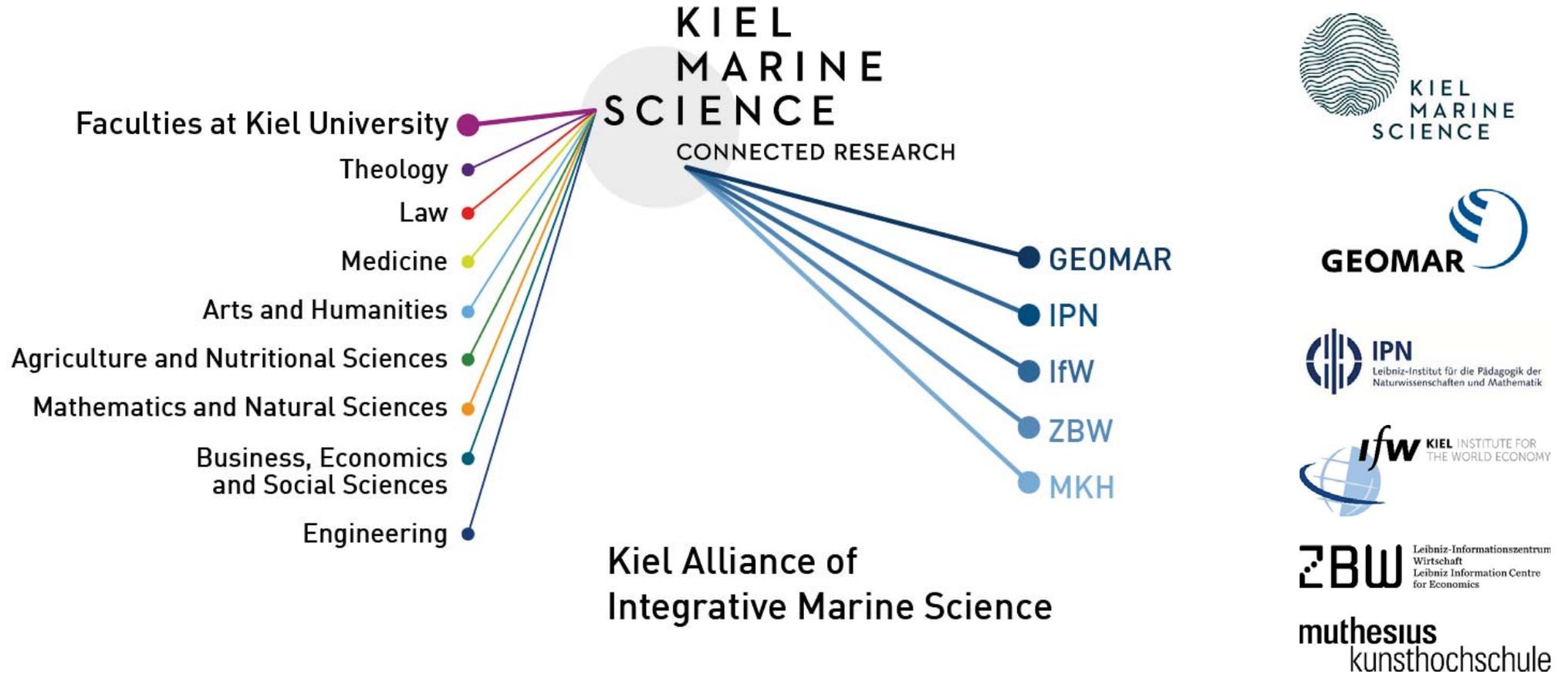
What is the safe and just operating space for humanity?

2030 Agenda

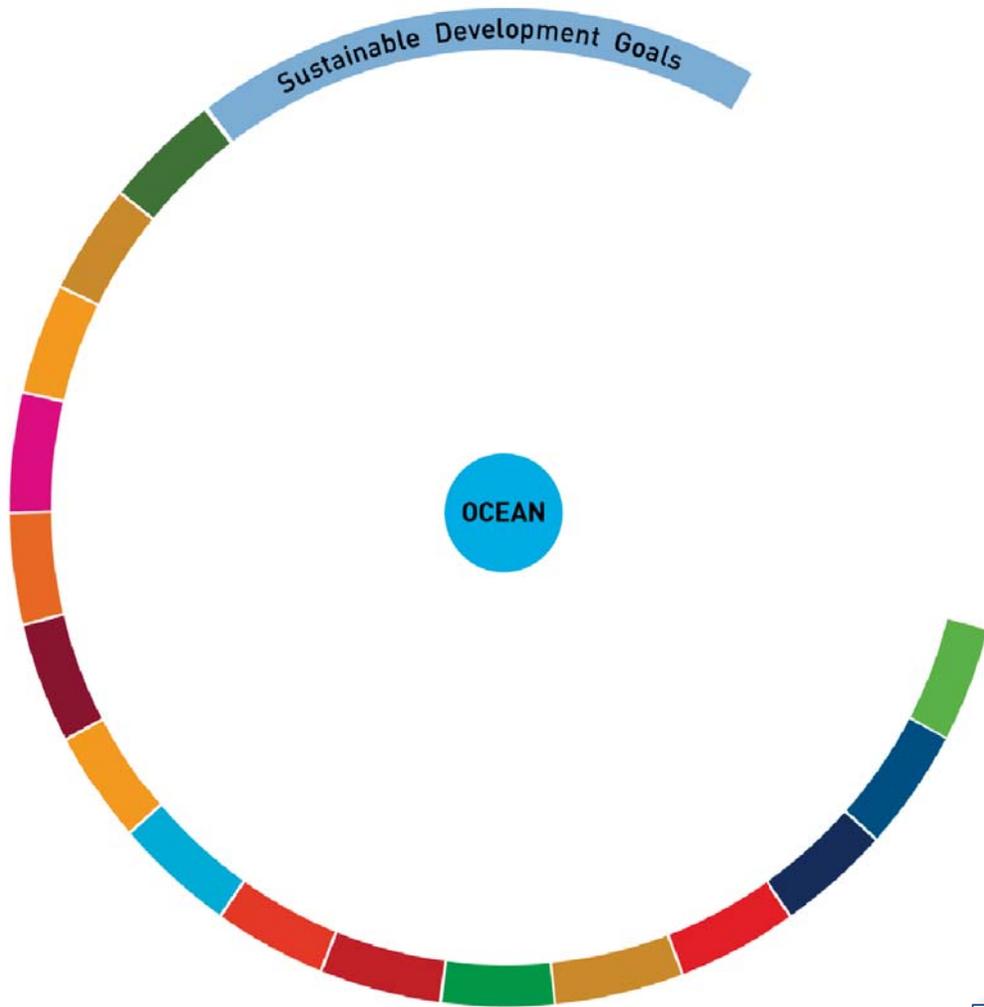


What is the safe and just operating space for humanity?

Kiel integrated Ocean Science Partners



Placing the Ocean at the Centre of the 2030 Agenda



Conserve and sustainably use the oceans, seas and marine resources for sustainable development



Anlage 1

Providing Visibility to Ocean on the Global Agenda



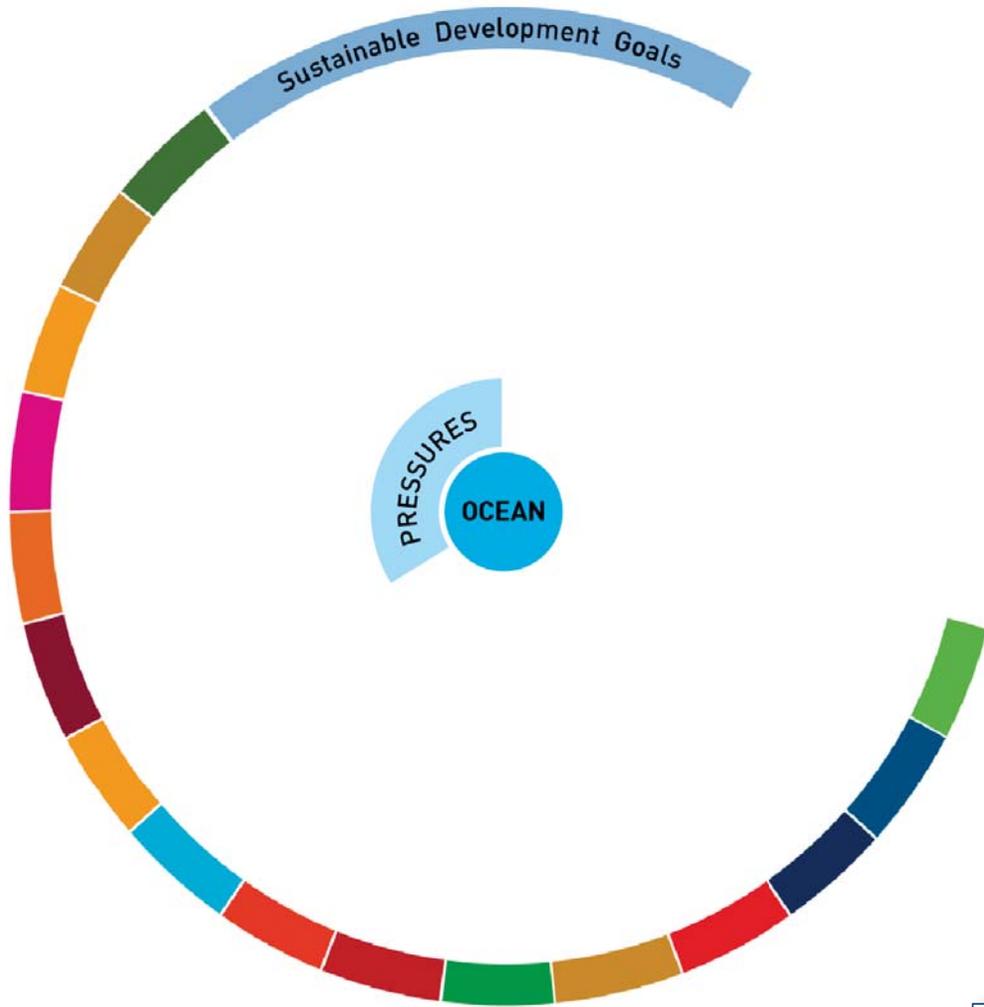
14 LIFE BELOW WATER
Conserve and sustainably use the oceans, seas and marine resources for sustainable development



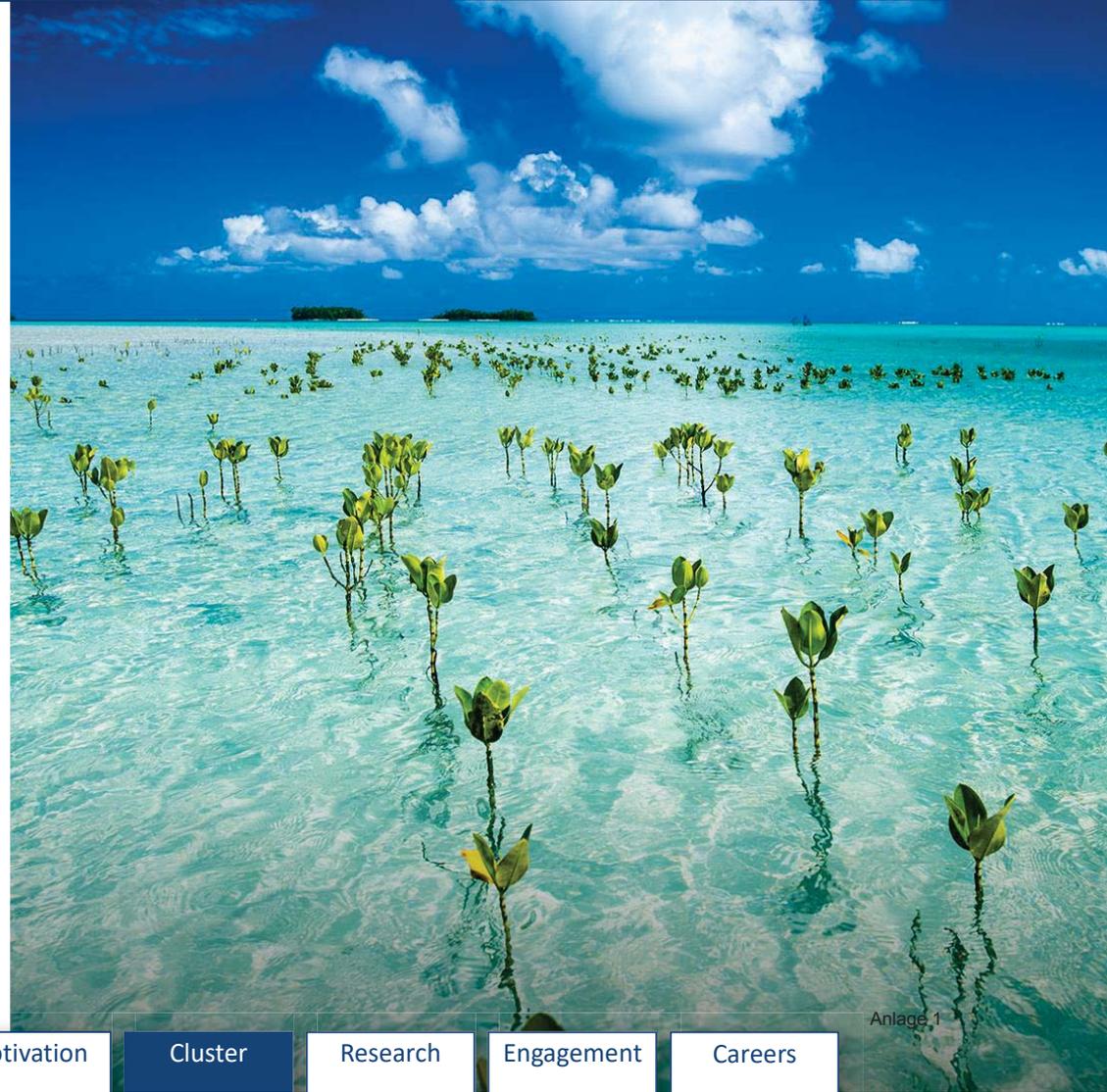
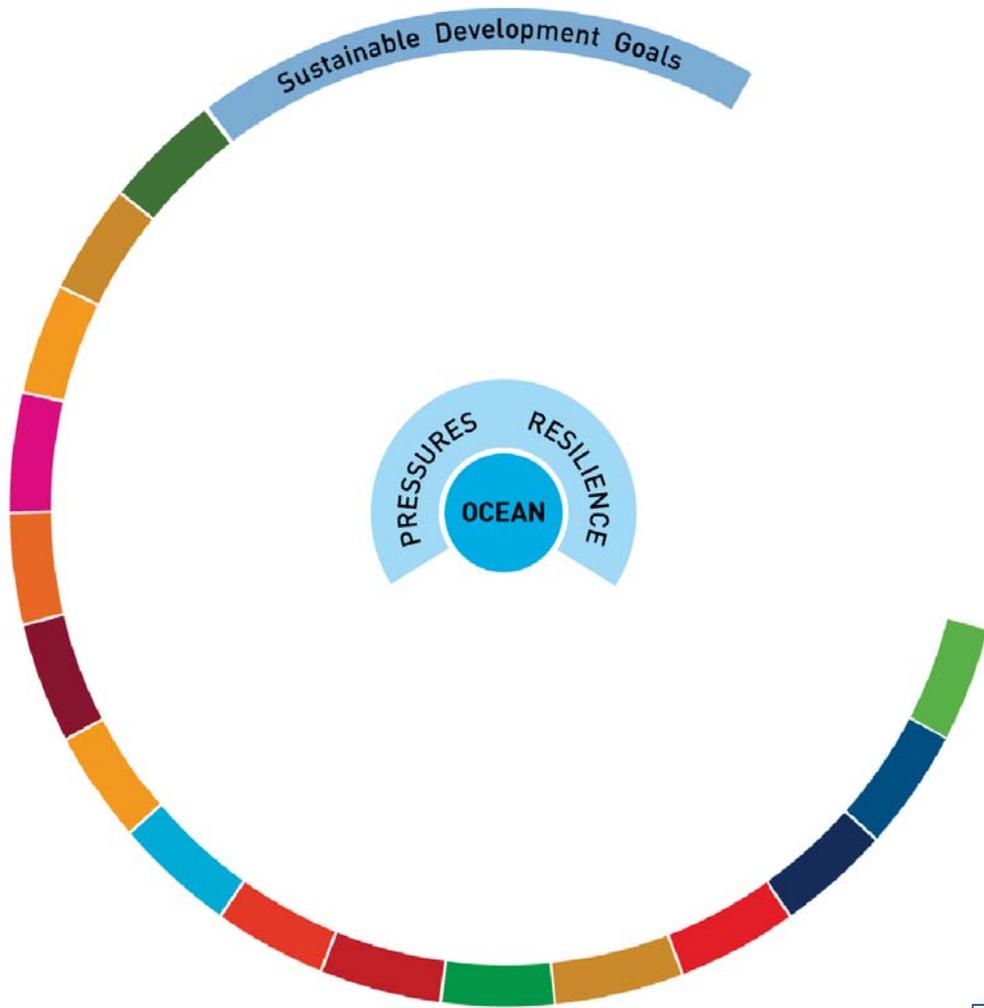
Anlage 1

- Motivation
- Cluster
- Research
- Engagement
- Careers

Understanding Human Pressures on the Ocean System

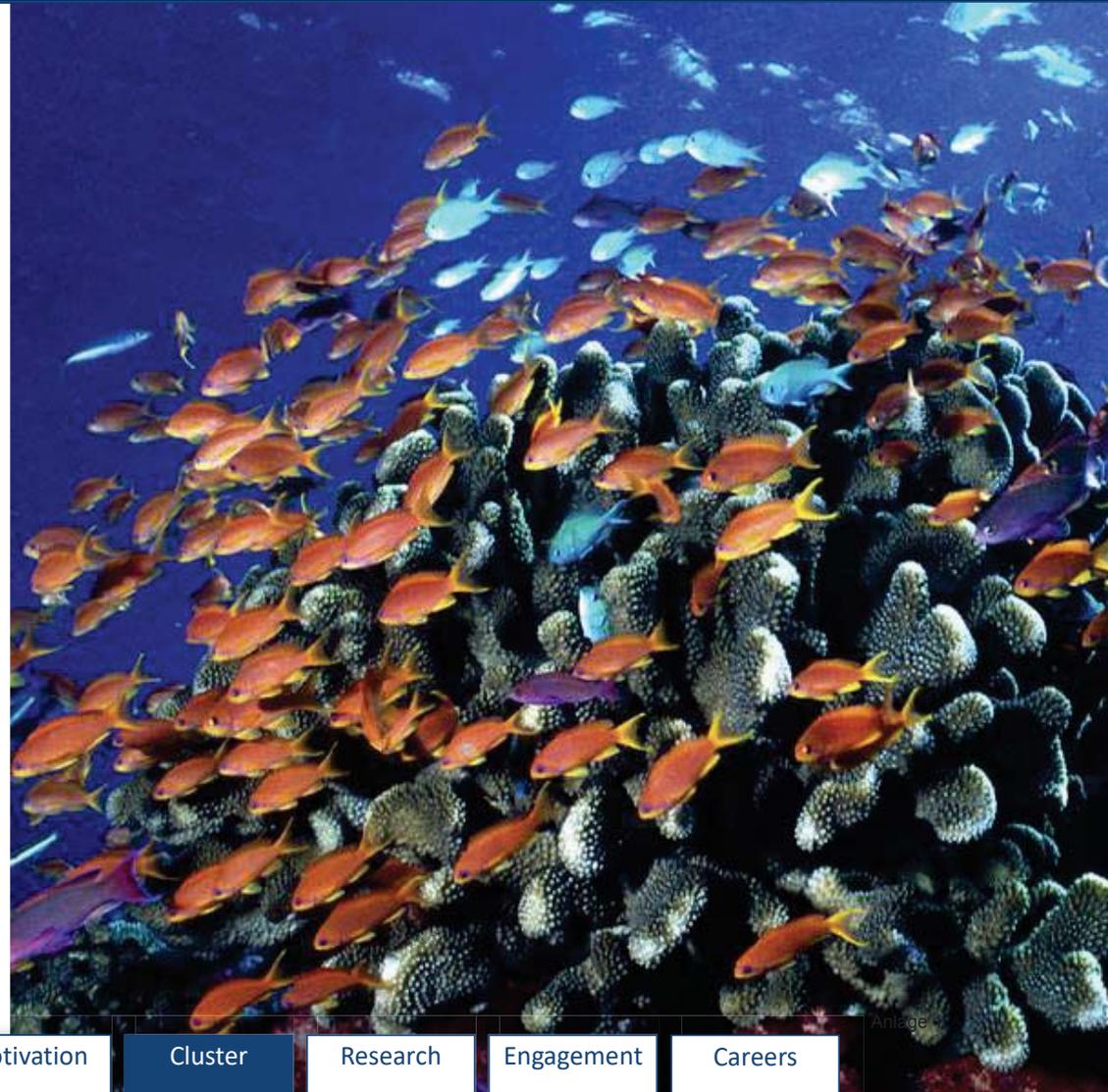
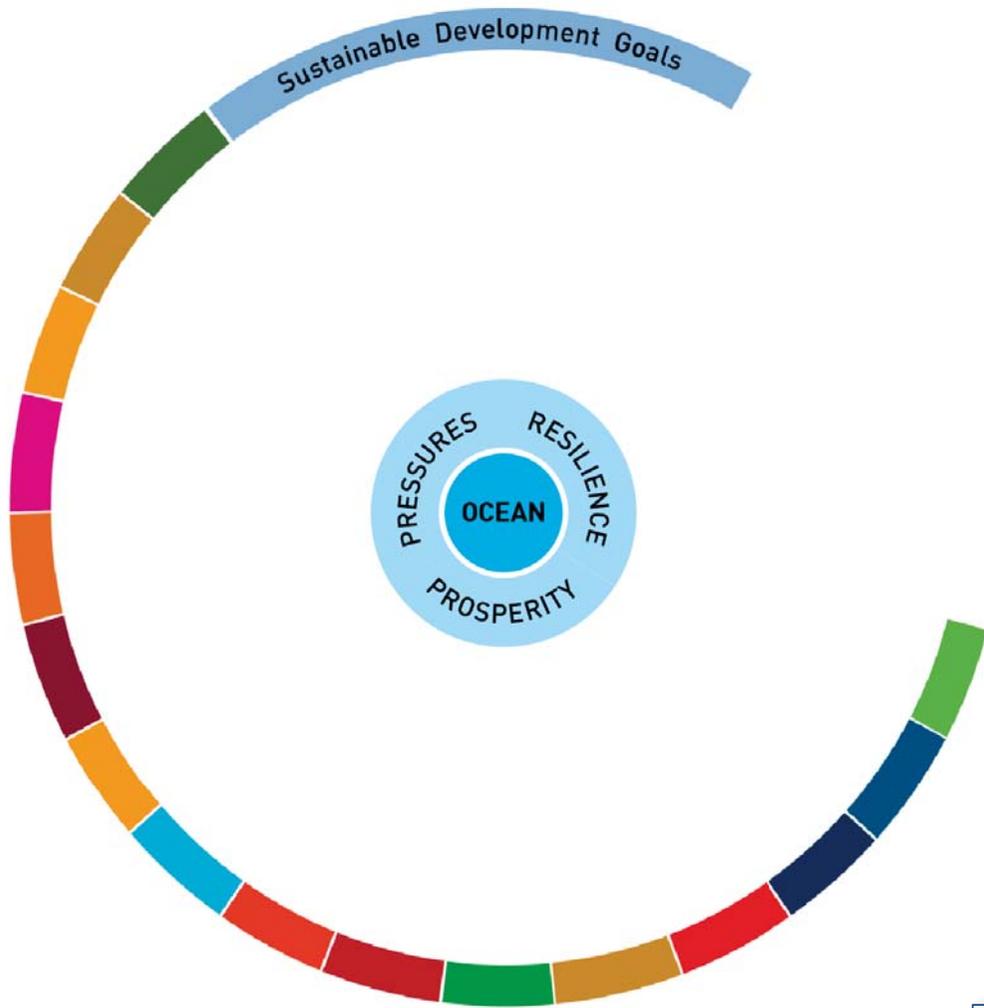


Science Supporting a Resilient Ocean and Coastal Communities



- Motivation
- Cluster**
- Research
- Engagement
- Careers

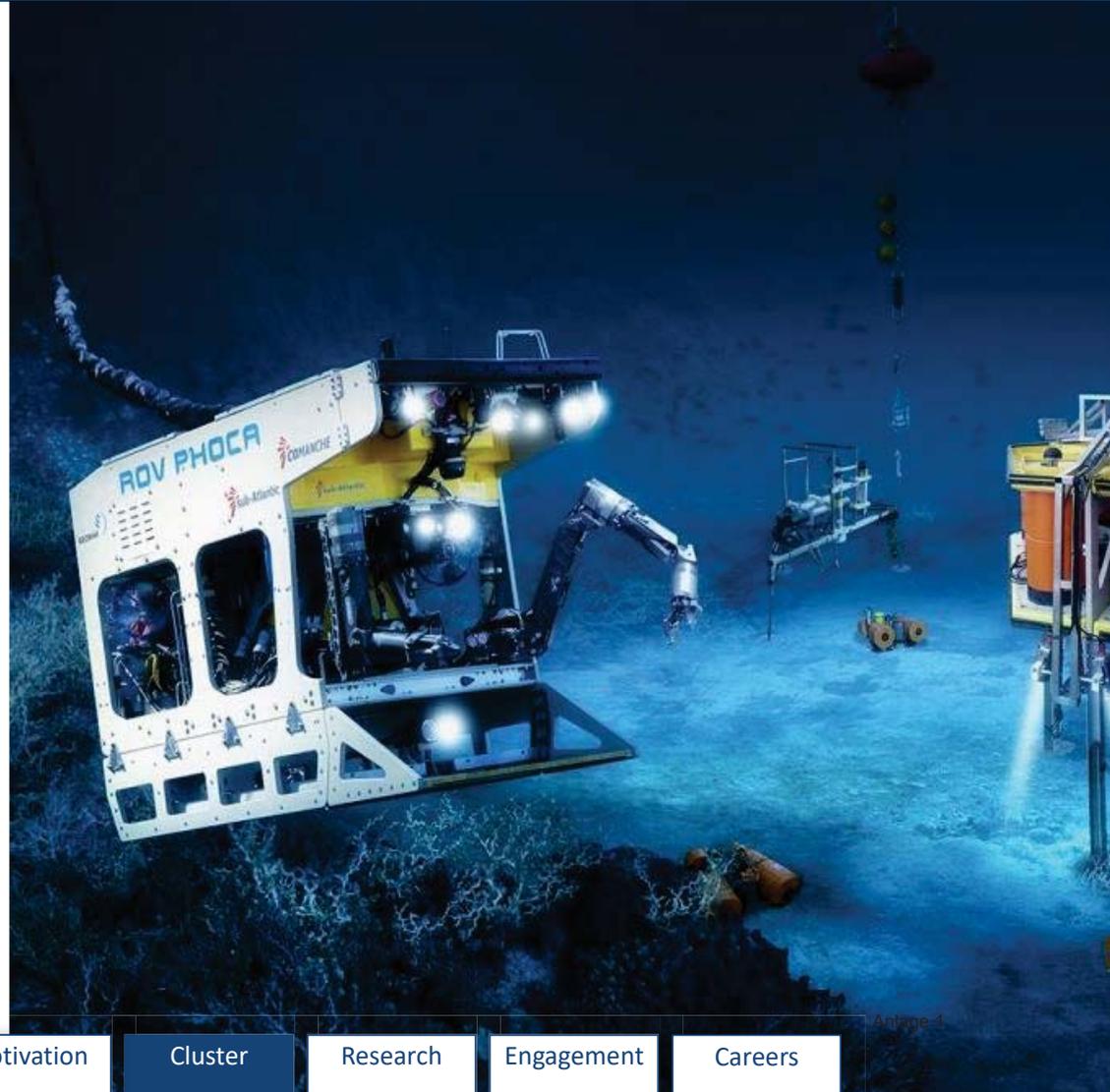
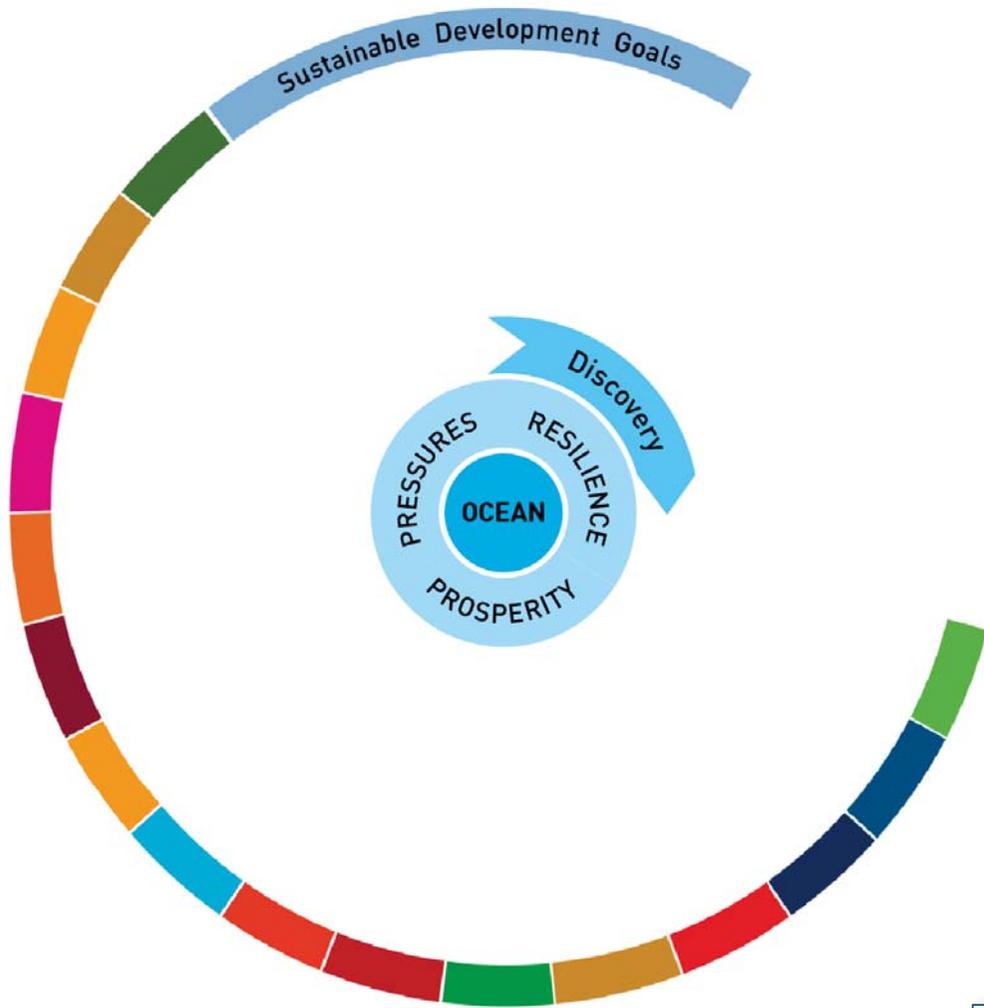
Advancing Pathways to Sustainable Ocean Prosperity



- Motivation
- Cluster**
- Research
- Engagement
- Careers

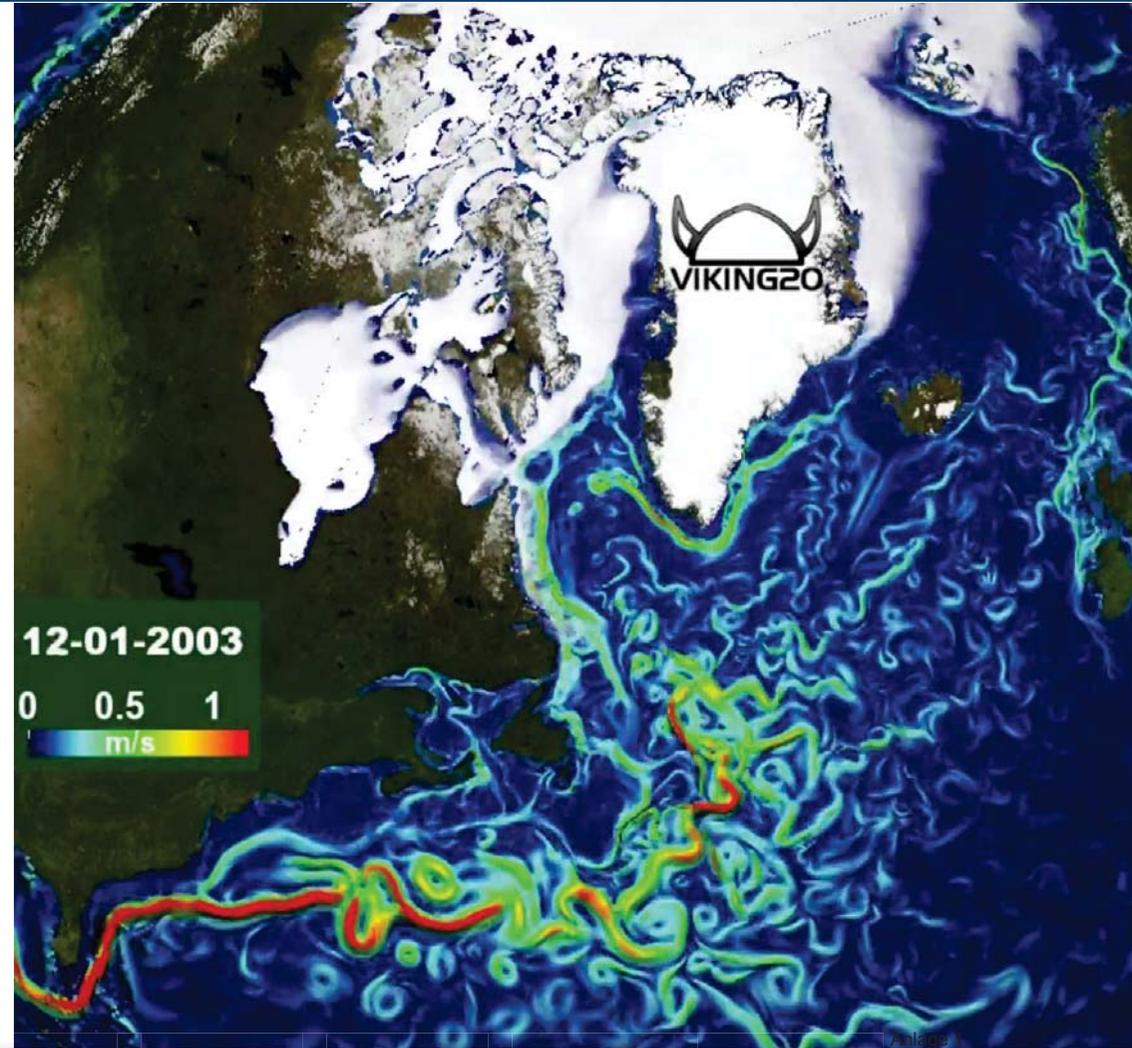
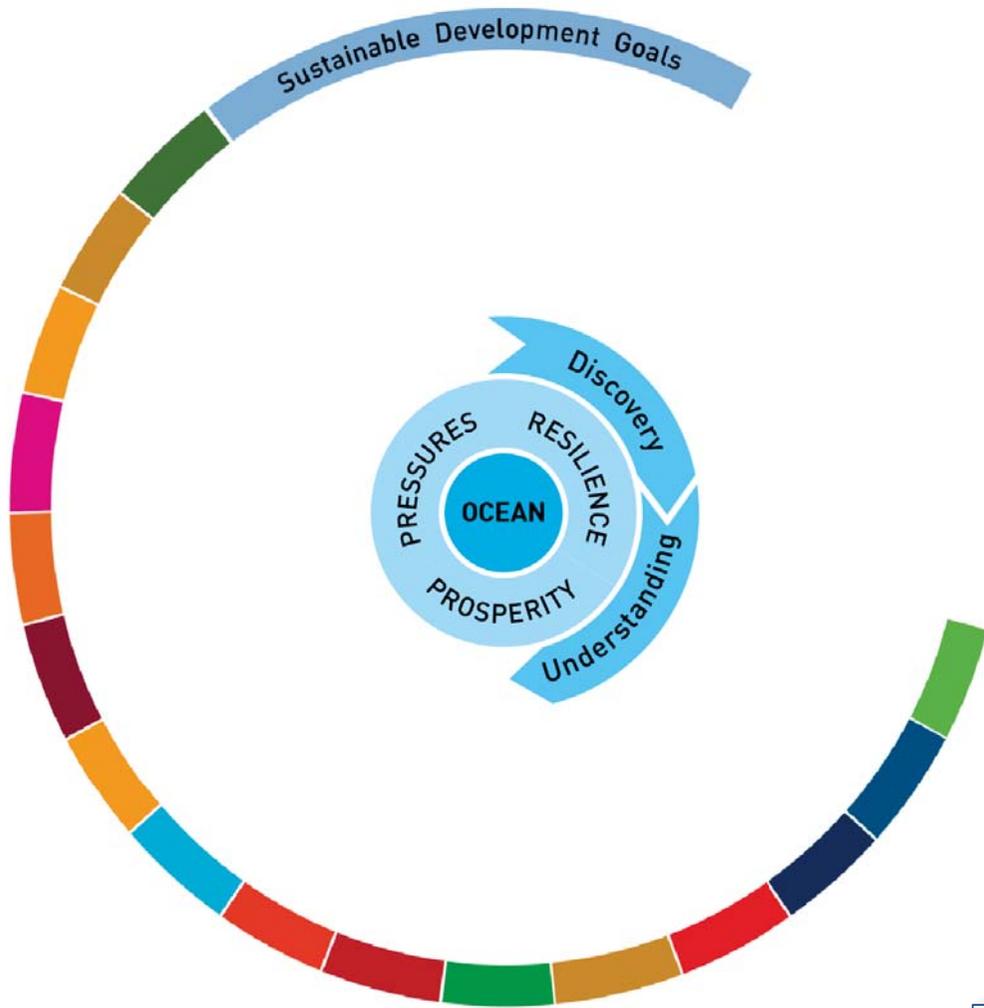
Anlage

Future Ocean Sustainability supports – OCEAN DISCOVERY



- Motivation
- Cluster
- Research
- Engagement
- Careers

Future Ocean Sustainability supports – OCEAN UNDERSTANDING



Motivation

Cluster

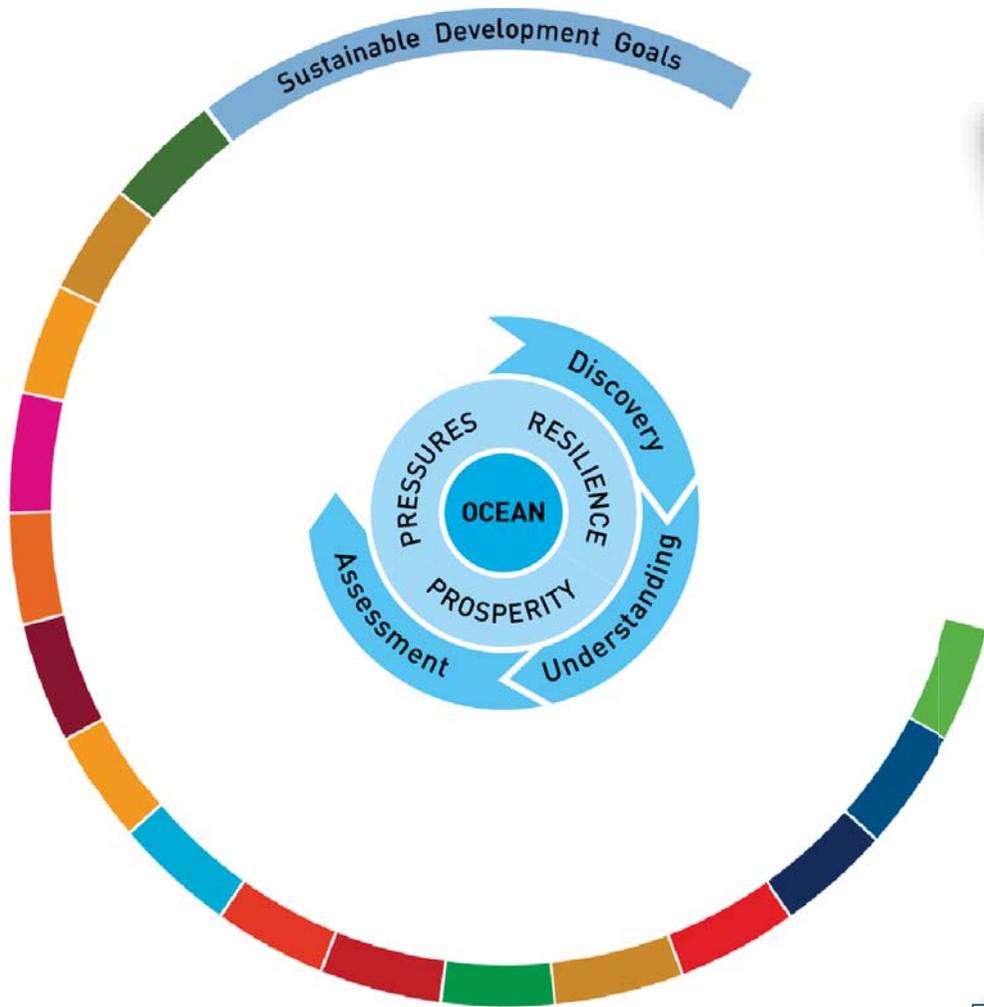
Research

Engagement

Careers

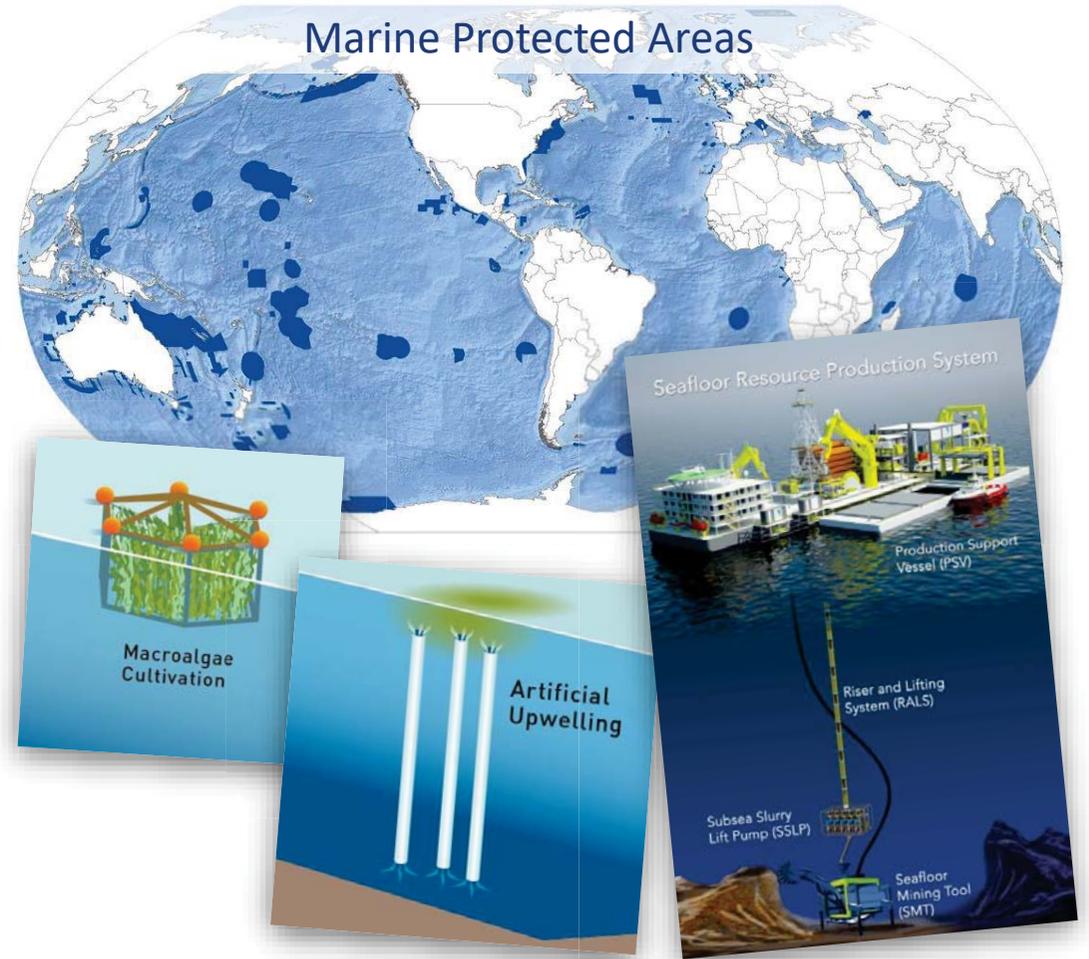
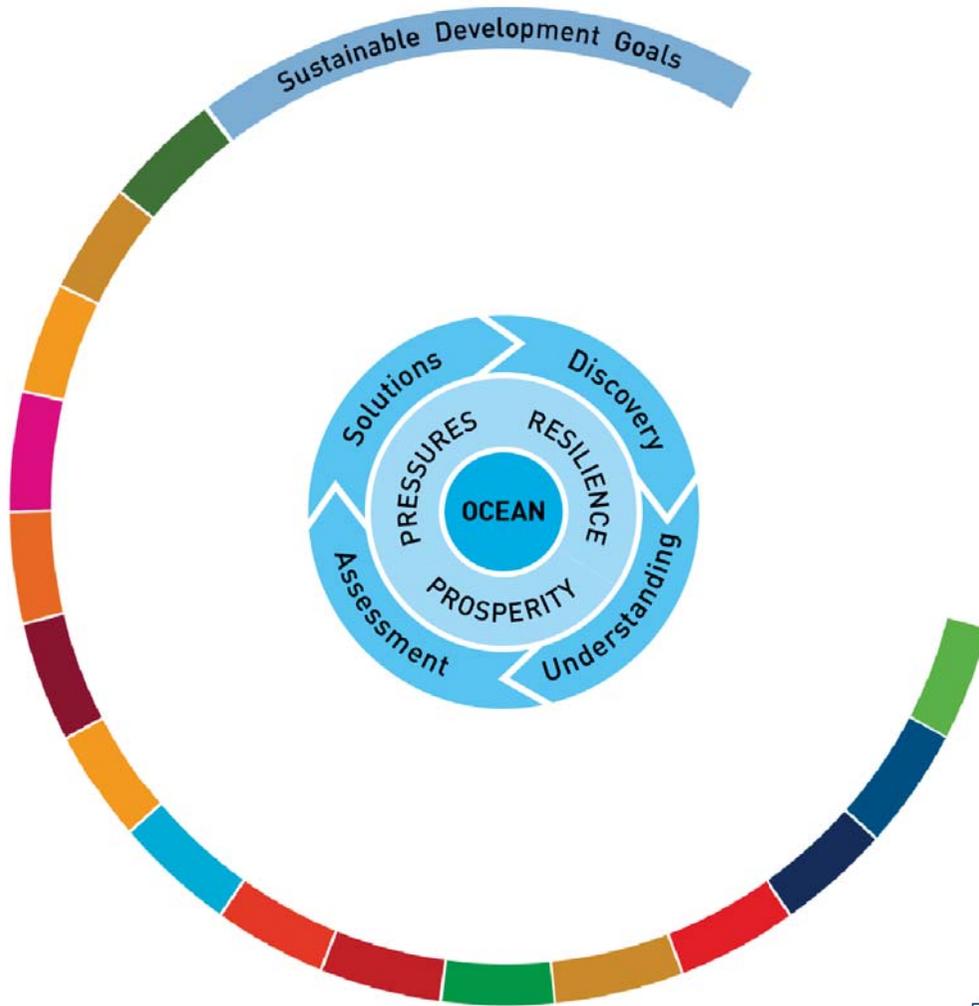
E. Behrens, C. I.

Future Ocean Sustainability supports – OCEAN ASSESSMENT



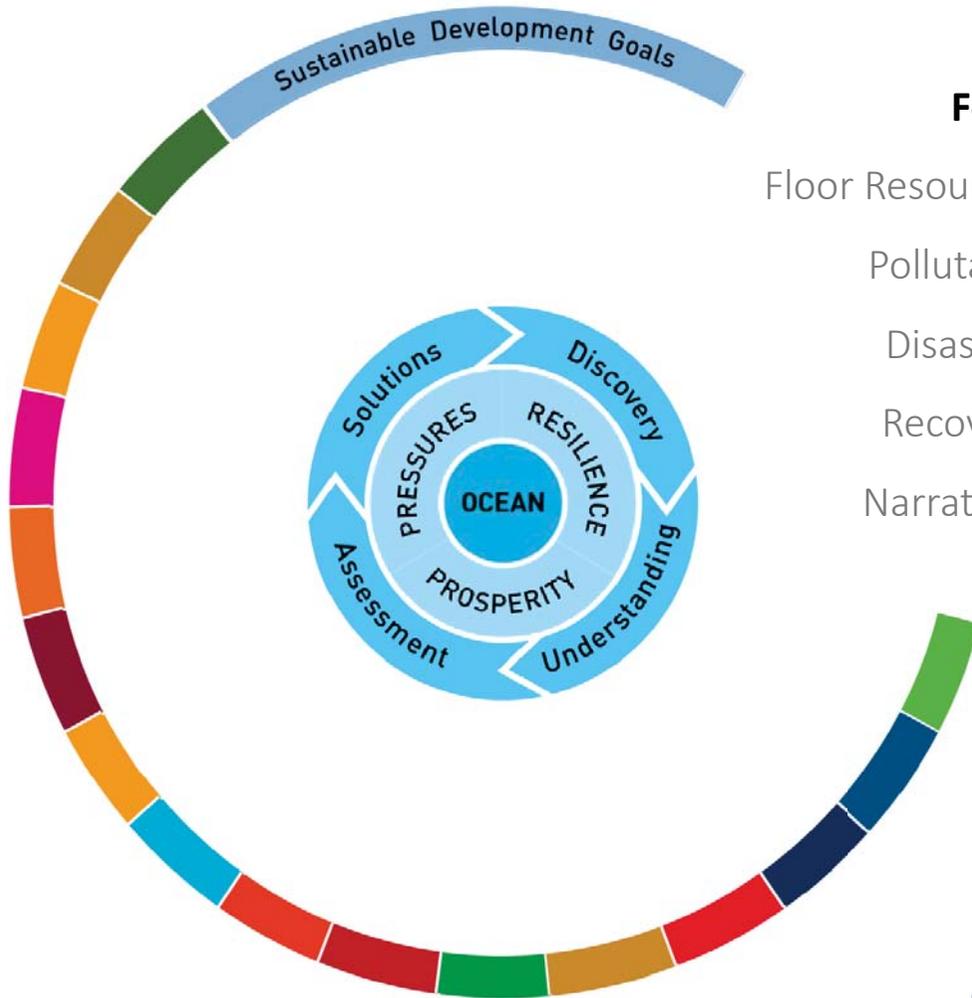
- Motivation
- Cluster**
- Research
- Engagement
- Careers

Future Ocean Sustainability supports – OCEAN SOLUTIONS



- Motivation
- Cluster**
- Research
- Engagement
- Careers

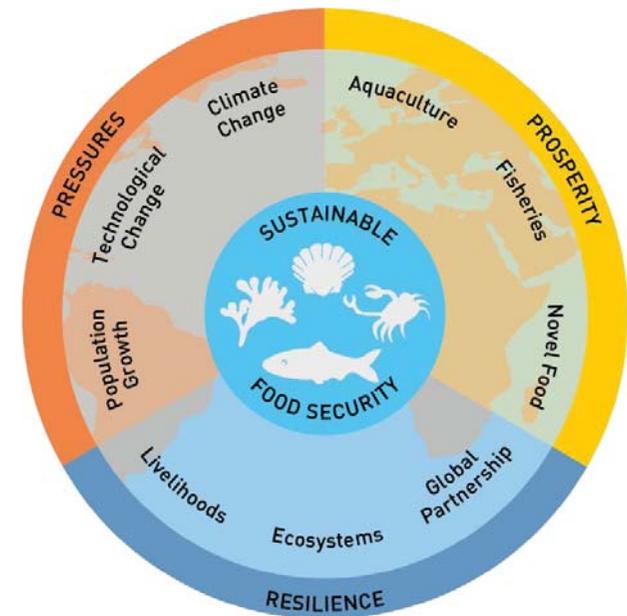
Integrated Research Areas



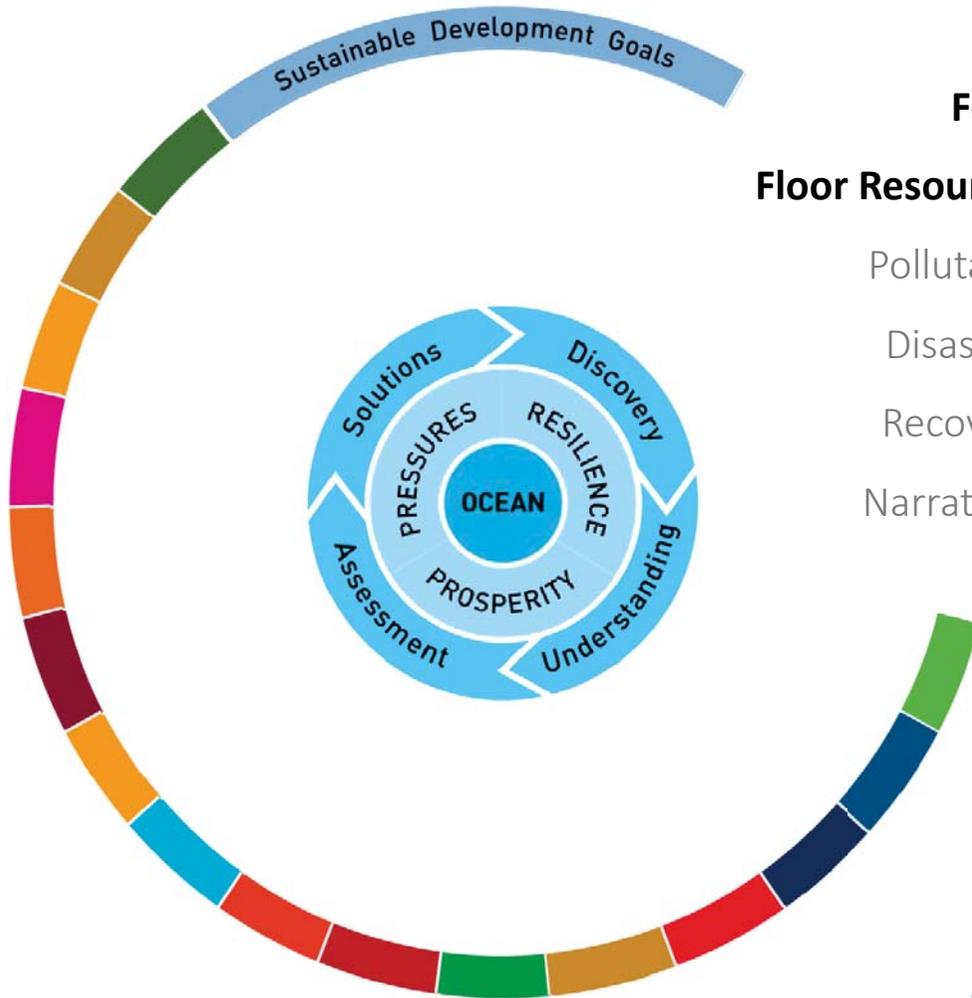
Food

- Floor Resources
- Pollutants
- Disasters
- Recovery
- Narratives

Ocean Food



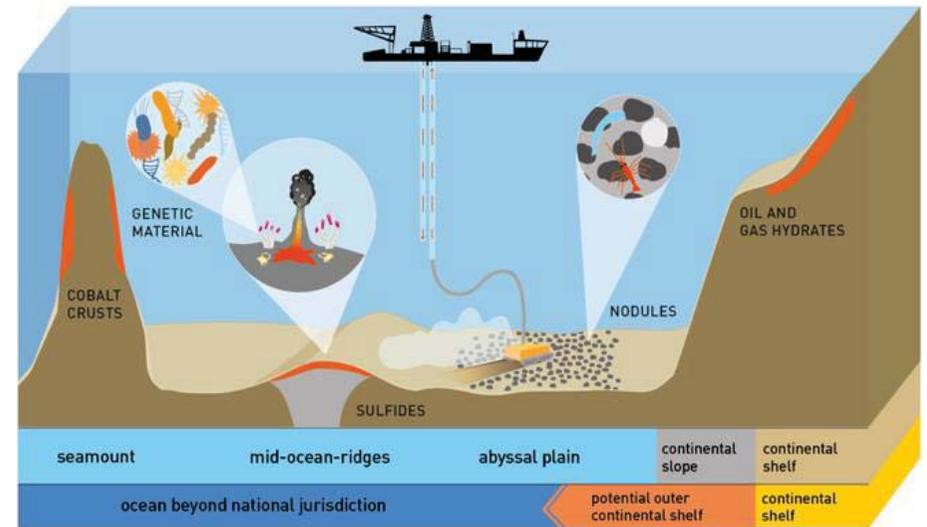
Integrated Research Areas



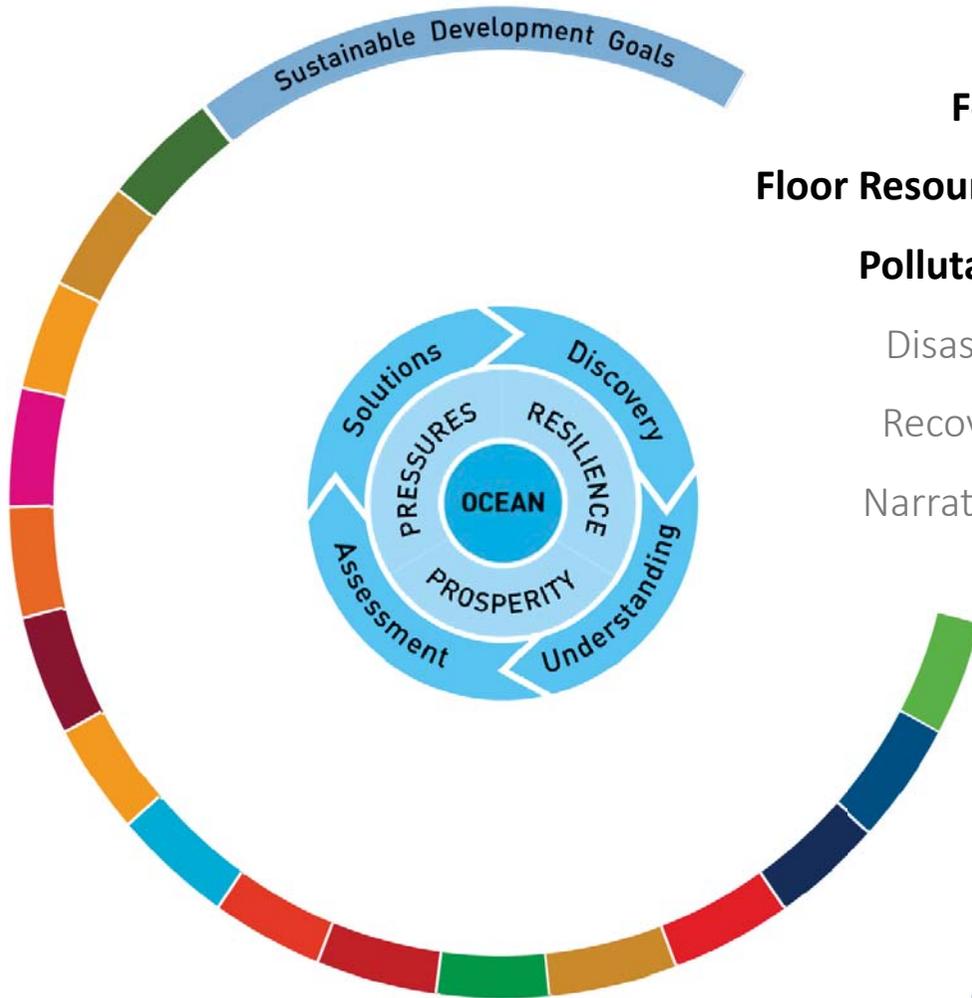
Food Floor Resources

- Pollutants
- Disasters
- Recovery
- Narratives

Ocean Floor Resources

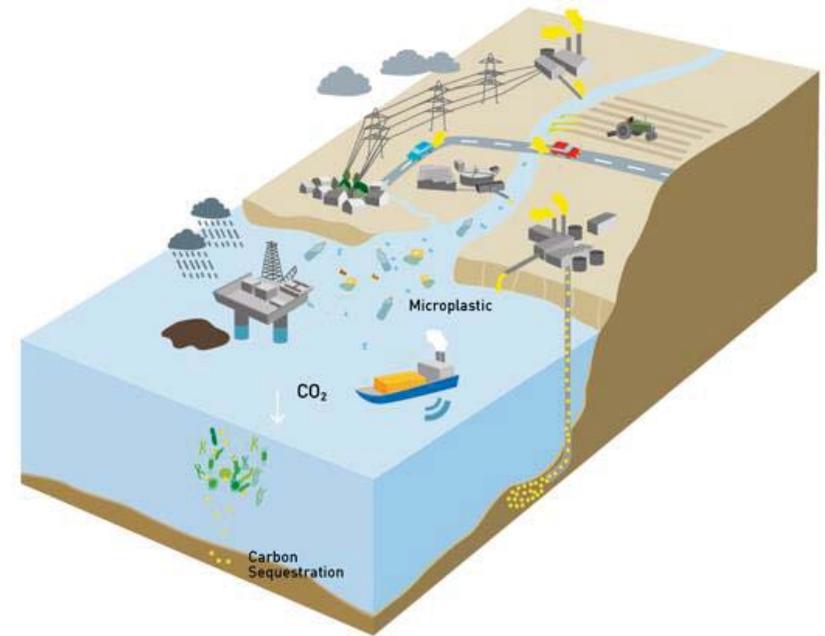


Integrated Research Areas

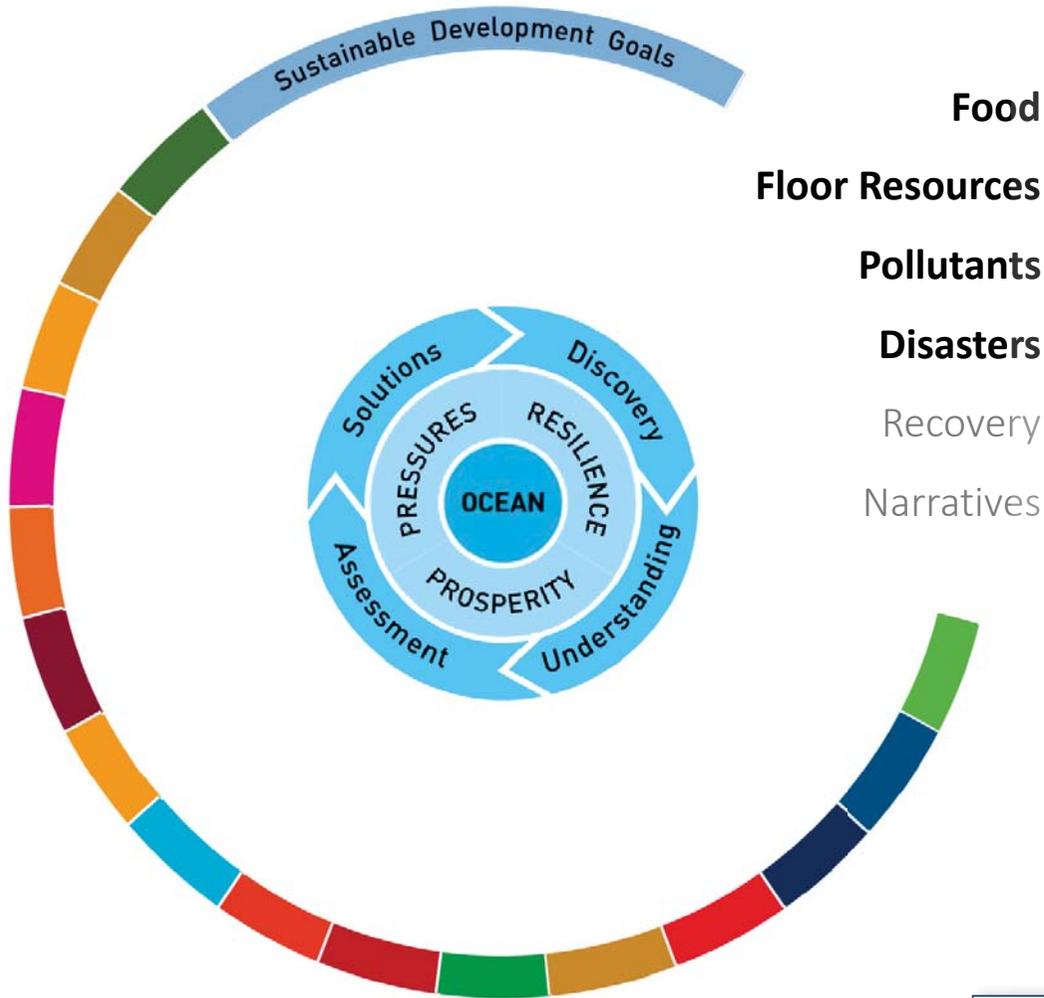


Food
Floor Resources
Pollutants
Disasters
Recovery
Narratives

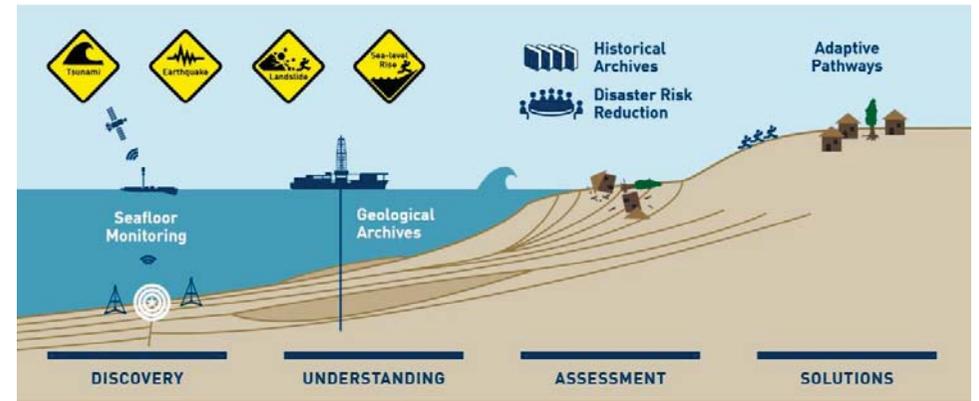
Ocean Pollutants



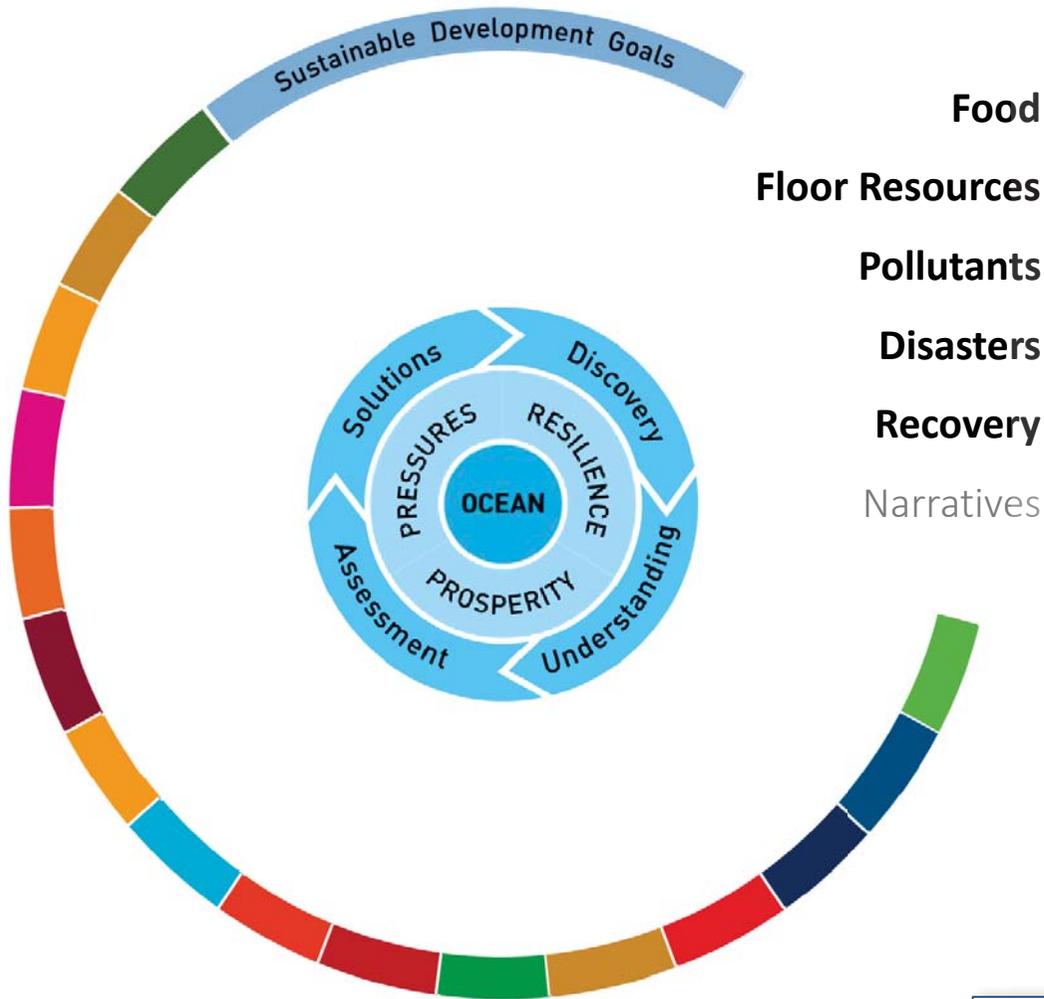
Integrated Research Areas



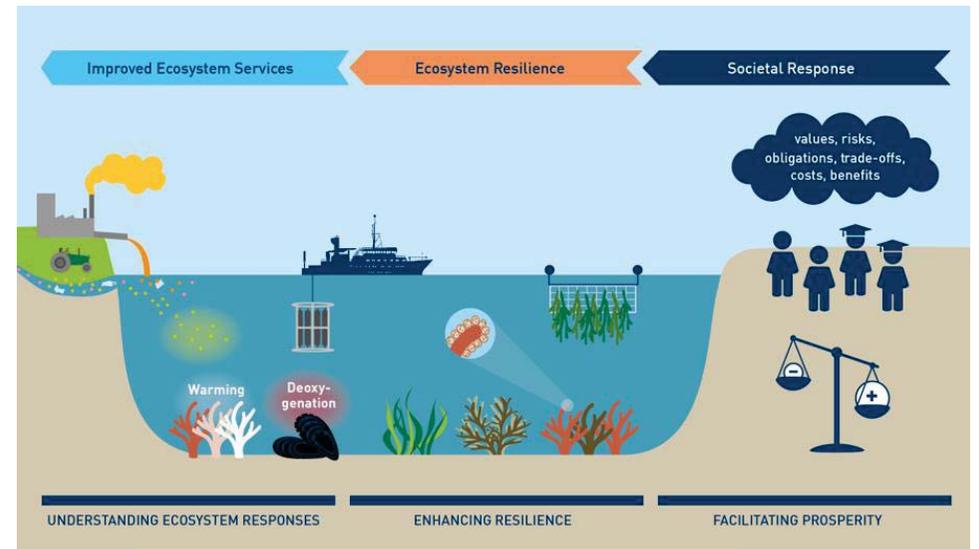
Ocean Disasters



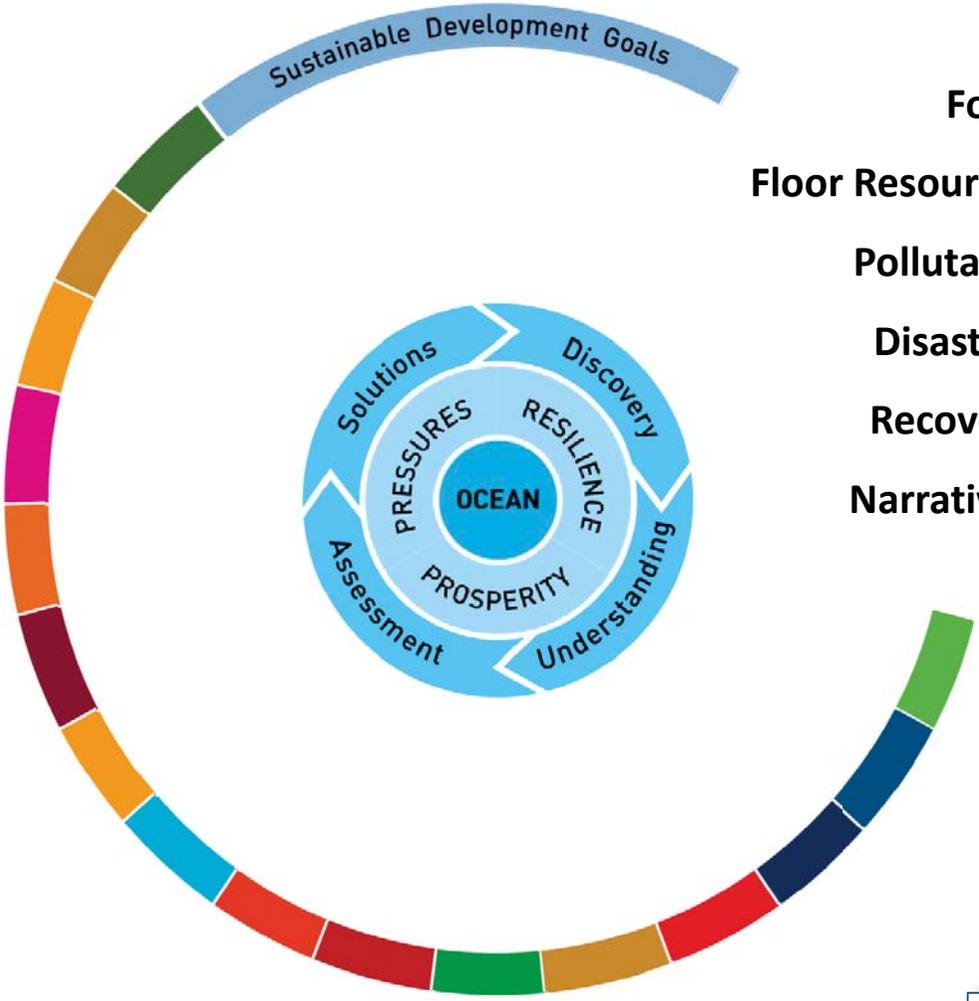
Integrated Research Areas



Ocean Recovery

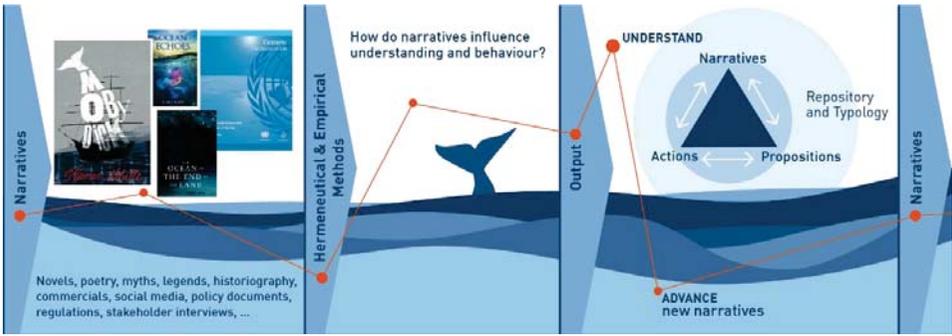


Integrated Research Areas

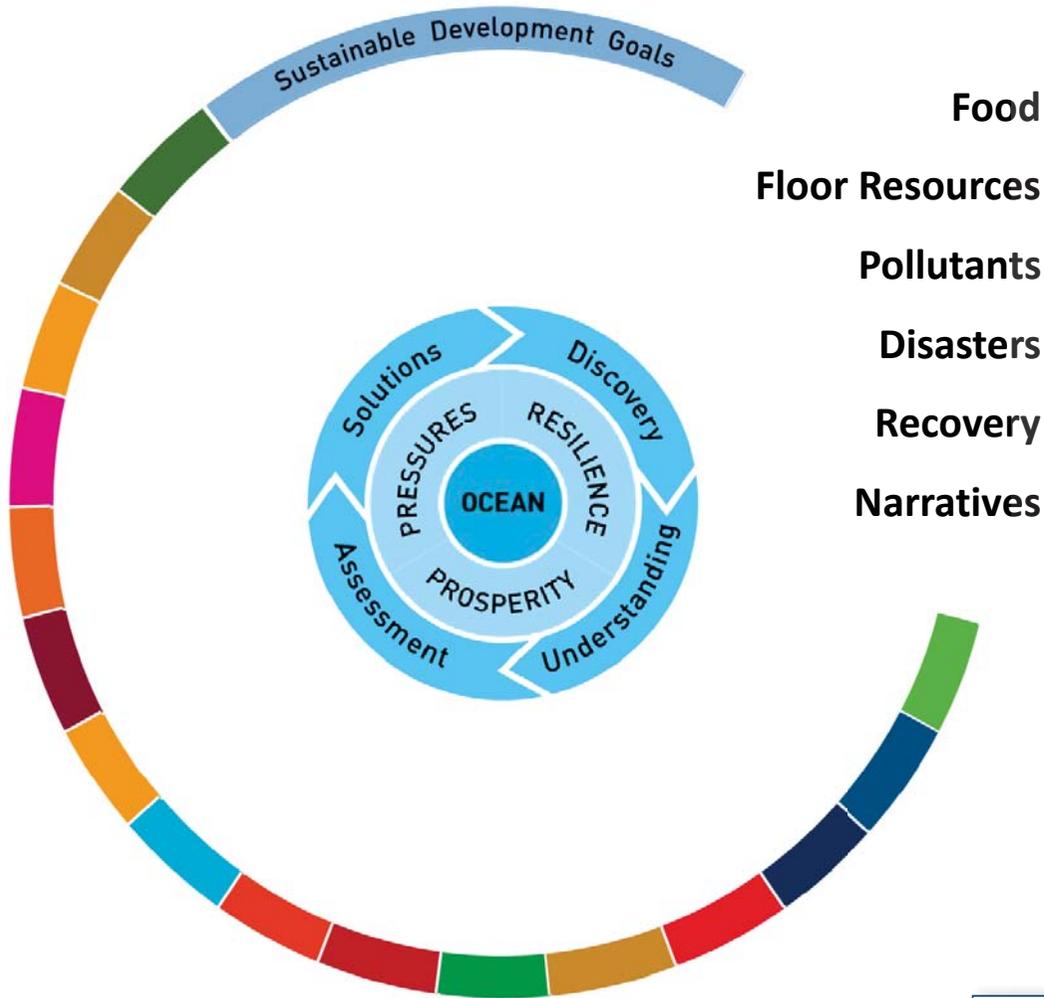


- Food
- Floor Resources
- Pollutants
- Disasters
- Recovery
- Narratives

Ocean Narratives

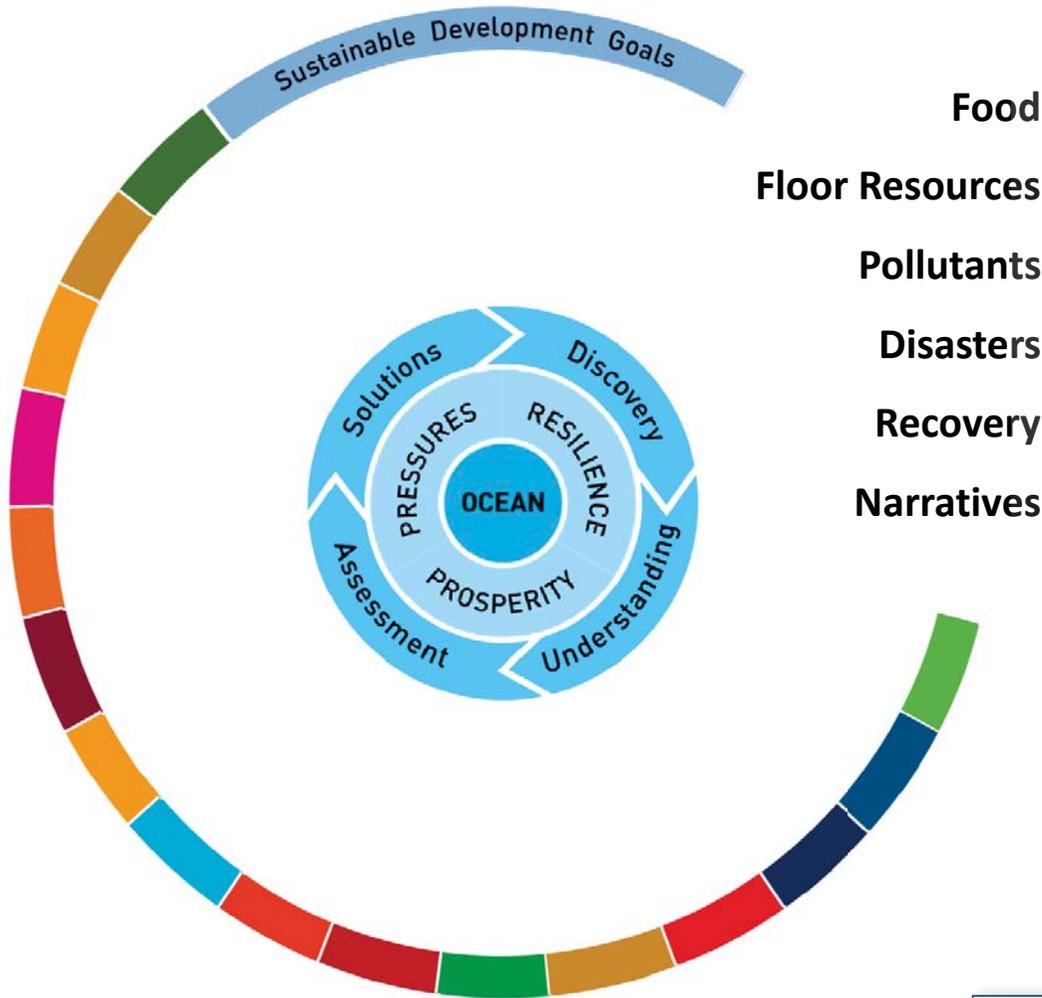


Kiel Provides Scientific Excellence to the 2030 Agenda

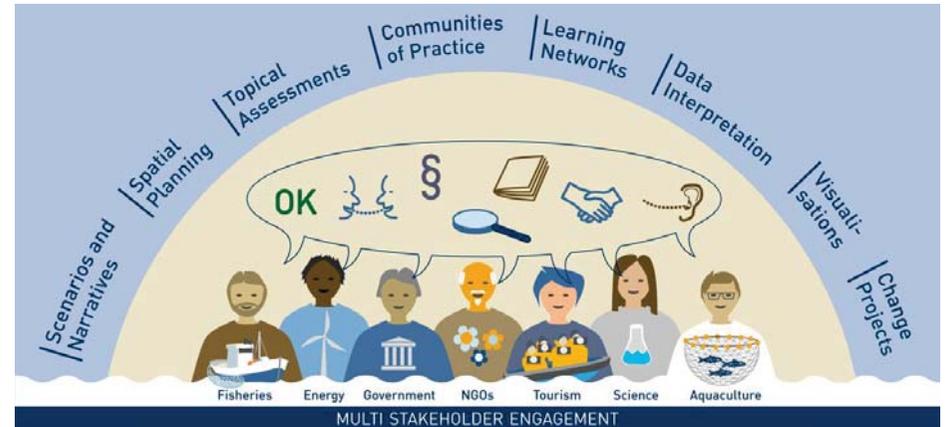


Conserve and sustainably use the oceans, seas and marine resources for sustainable development

Innovation – Reflection – Engagement with Societal Actors

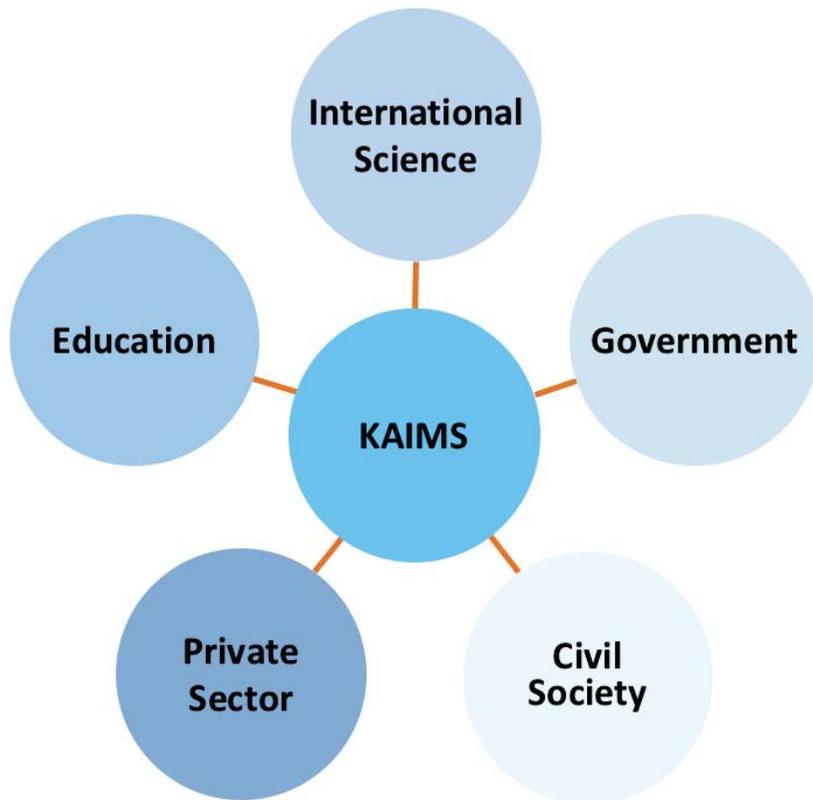


14 LIFE BELOW WATER Conserve and sustainably use the oceans, seas and marine resources for sustainable development



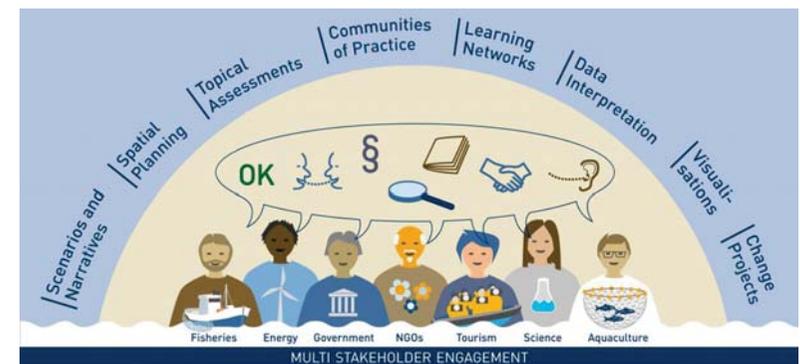
- Motivation
- Cluster
- Research
- Engagement**
- Careers

Generating Ocean Knowledge with Societal Partners



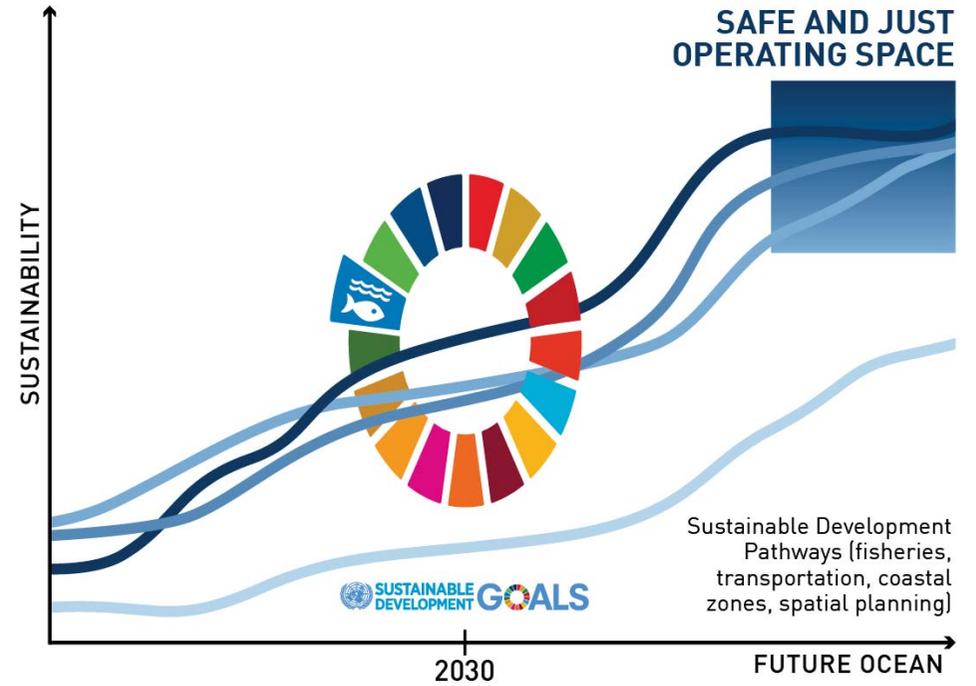
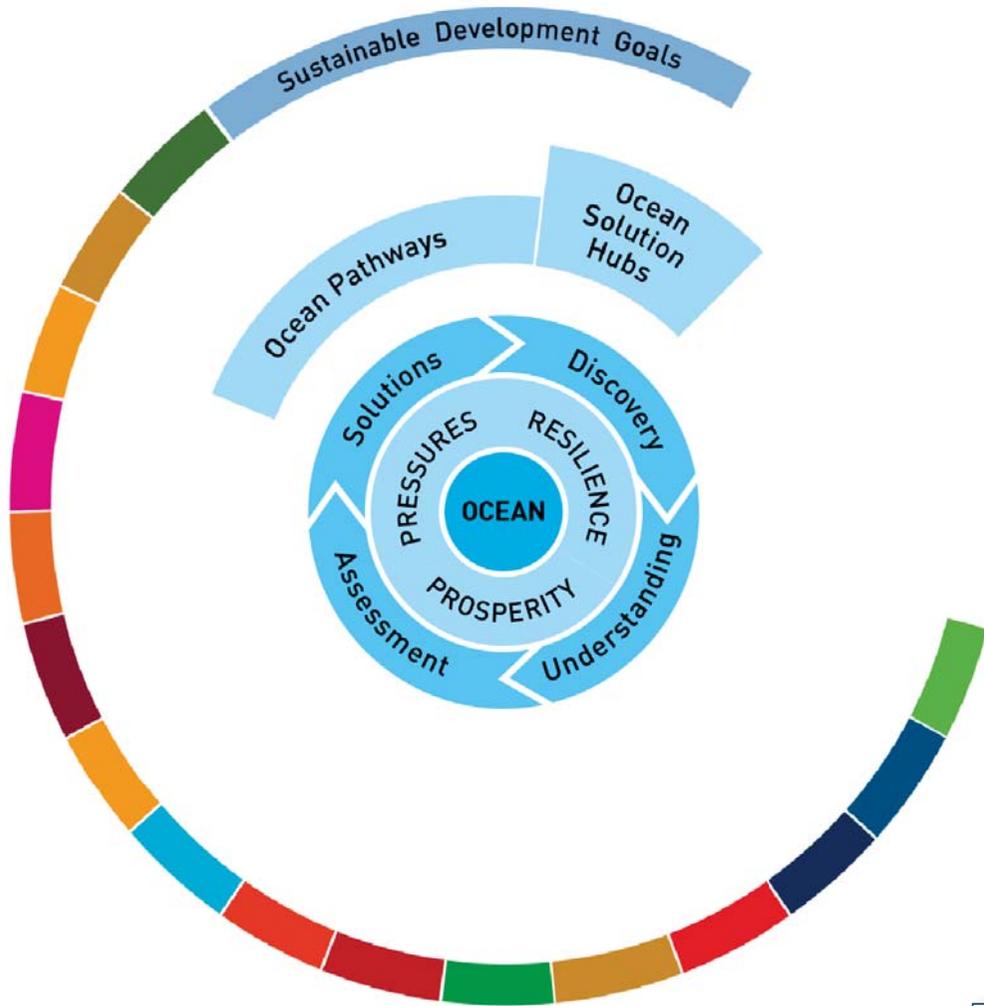
Structured approach to engage with societal partners

- Ocean Literacy
- Careers and Global Learning
- Globally coordinated transdisciplinary research

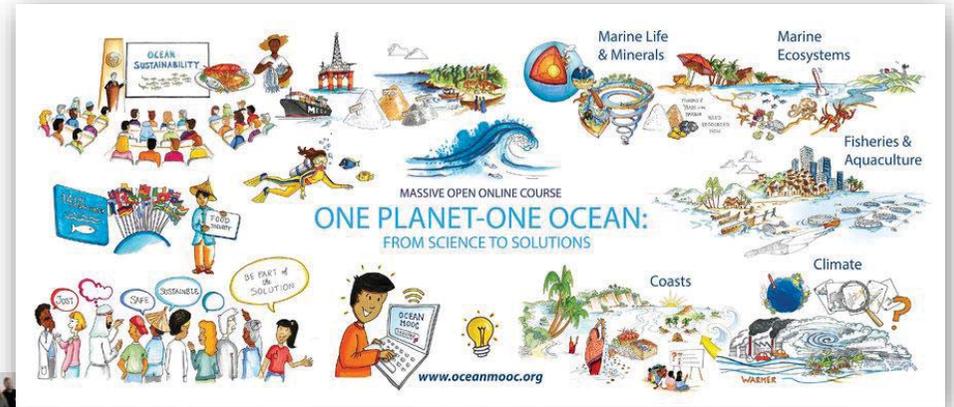
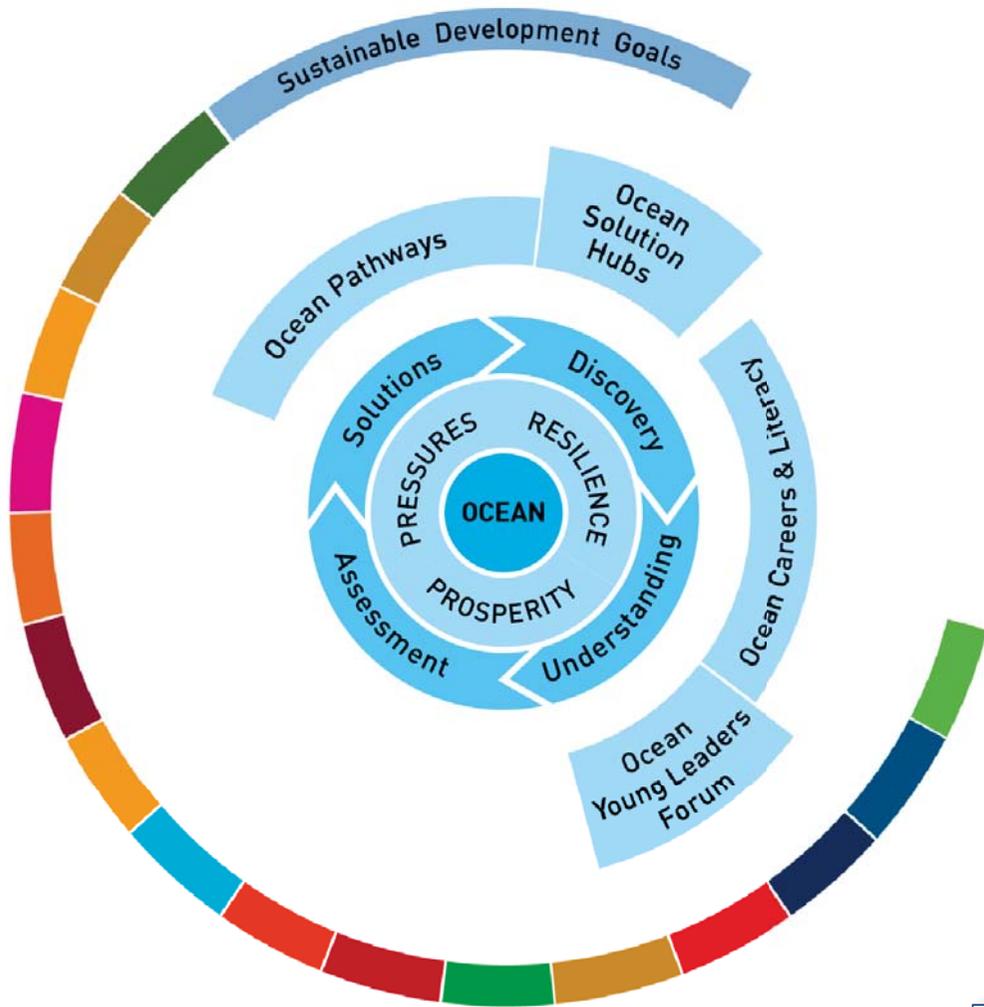


Motivation	Cluster	Research	Engagement	Careers
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Co-Developing and Exploring – Ocean Pathways

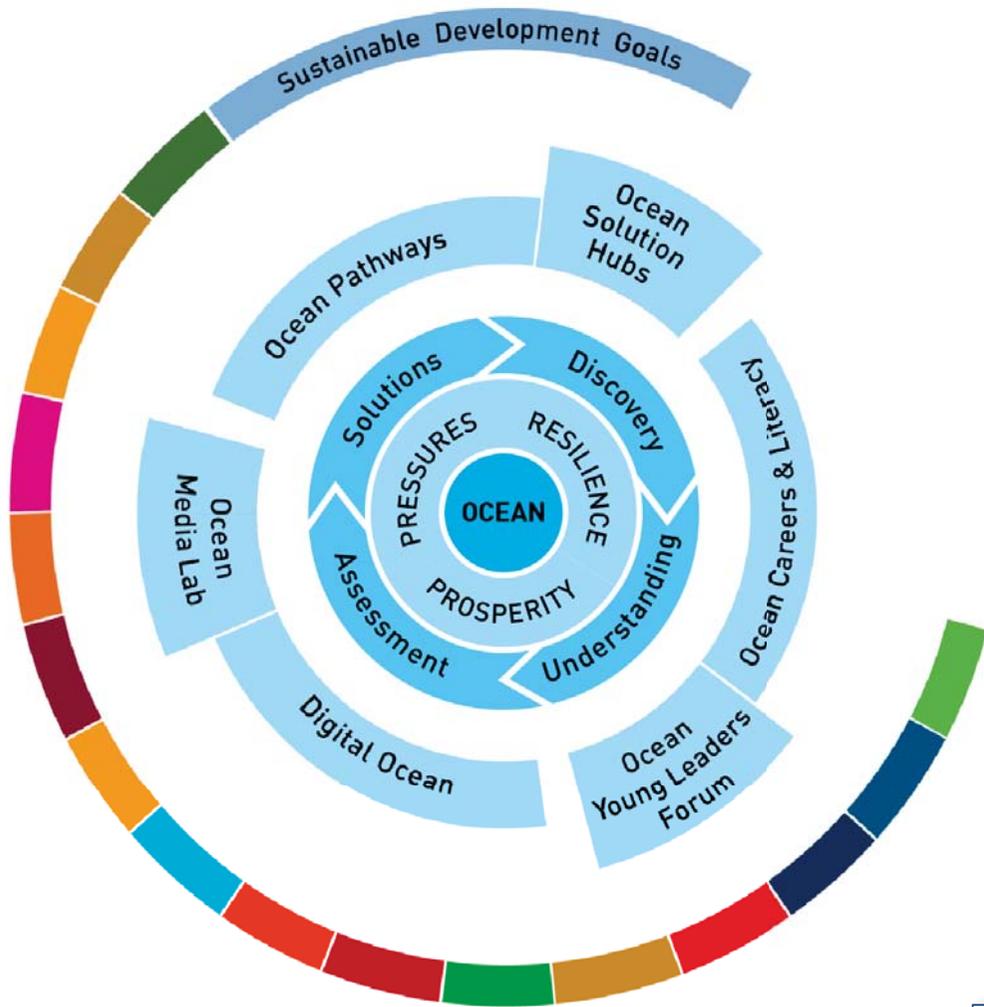


Supporting Careers, Education and Global Learning



- Motivation
- Cluster
- Research
- Engagement
- Careers

Realizing Digital Opportunities in Research and Engagement



Motivation	Cluster	Research	Engagement	Careers
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Kiel: THE Place to Advance Your Ocean Career



- excellent academic environment
- individual career support
- access to experts outside academia
- international networking

