

BONUS

Creating the science and technology basis for
sustainable blue growth in the Baltic Sea

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A sustainable Blue Growth Agenda for the Baltic Sea Region (SWD (2014) 167 final)

Maritime economy can only thrive if marine resources are used in a sustainable manner

- **Strengths of the Baltic Sea region:**
 - Low unemployment
 - High growth rates and low government debt ratios
 - **Strong research and innovation activity**
 - **Tradition of close cooperation**



What is BONUS?

[Click to the BONUS movie](#)

Funded by the eight EU member states and the EU; EUR 100 million for 2011-17

VISION

Economically and ecologically prosperous Baltic Sea region where resources and goods are used sustainably and where the long-term management of the region is based on sound knowledge derived from multidisciplinary research

MISSION

Integrating the Baltic Sea System research into a durable, cooperative, interdisciplinary and focused transnational programme in support of the region's sustainable development



BONUS strategic research agenda process

FOCUS ON BALTIC SEA ECOSYSTEM

**LAND-COAST-SEA CONTINUUM
& INNOVATION**

**POLICY LANDSCAPE
MAPPING**

**BLUE GROWTH IN
NORTHERN REGIONAL SEAS**



In the core:
BONUS strategic research agenda process,
a systemic approach responding to
the dynamic development in relevant policy fields



Three calls => 28 projects running

**[2007: Ecosystem approach to management
16 projects, 2009-2011, EUR 22 million]**

**2012: Viable ecosystem and Innovation
20 projects funded for 2014-2017, EUR 33 million**

**2014: Sustainable ecosystem services
8 projects funded for 2015-2017, EUR 17 million**

**2015: Blue Baltic launched on 9 November in 2015
Total funding minimum of EUR 30 million
Projects to be implemented during 2017-2020**



Hazardous substances

CHANGE seeks to alter antifouling practices of leisure boats by considering individual attitudes and behaviour, market actors and legal framework

Land-coast interaction

SOILS2SEA reducing nutrient loadings from agricultural soils to the Baltic Sea via groundwater and streams

Marine living resources

INSPIRE improves fish stock assessments and the knowledge basis on spatial dynamics of fish resources

Maritime risks

STORMWINDS Designs an operational risk management system to improve safety of wintertime navigation in the Baltic

Pollution by shipping

ZEB Enhances on-board treatment of polluted bilge water to achieve zero emissions into the Baltic Sea

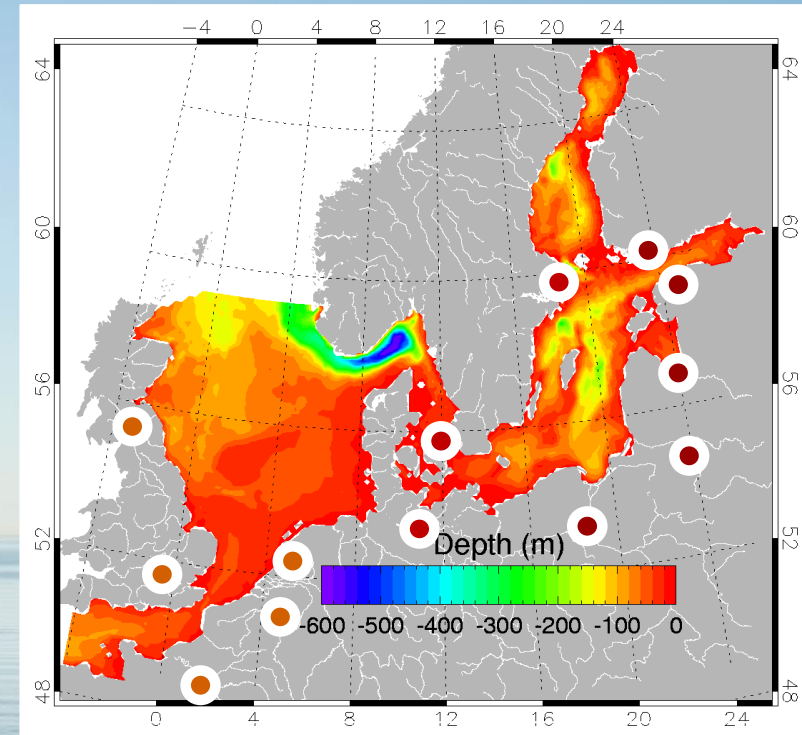


Extend BONUS to the North Sea

Time line: 2018-2022, volume 200 mill. EUR

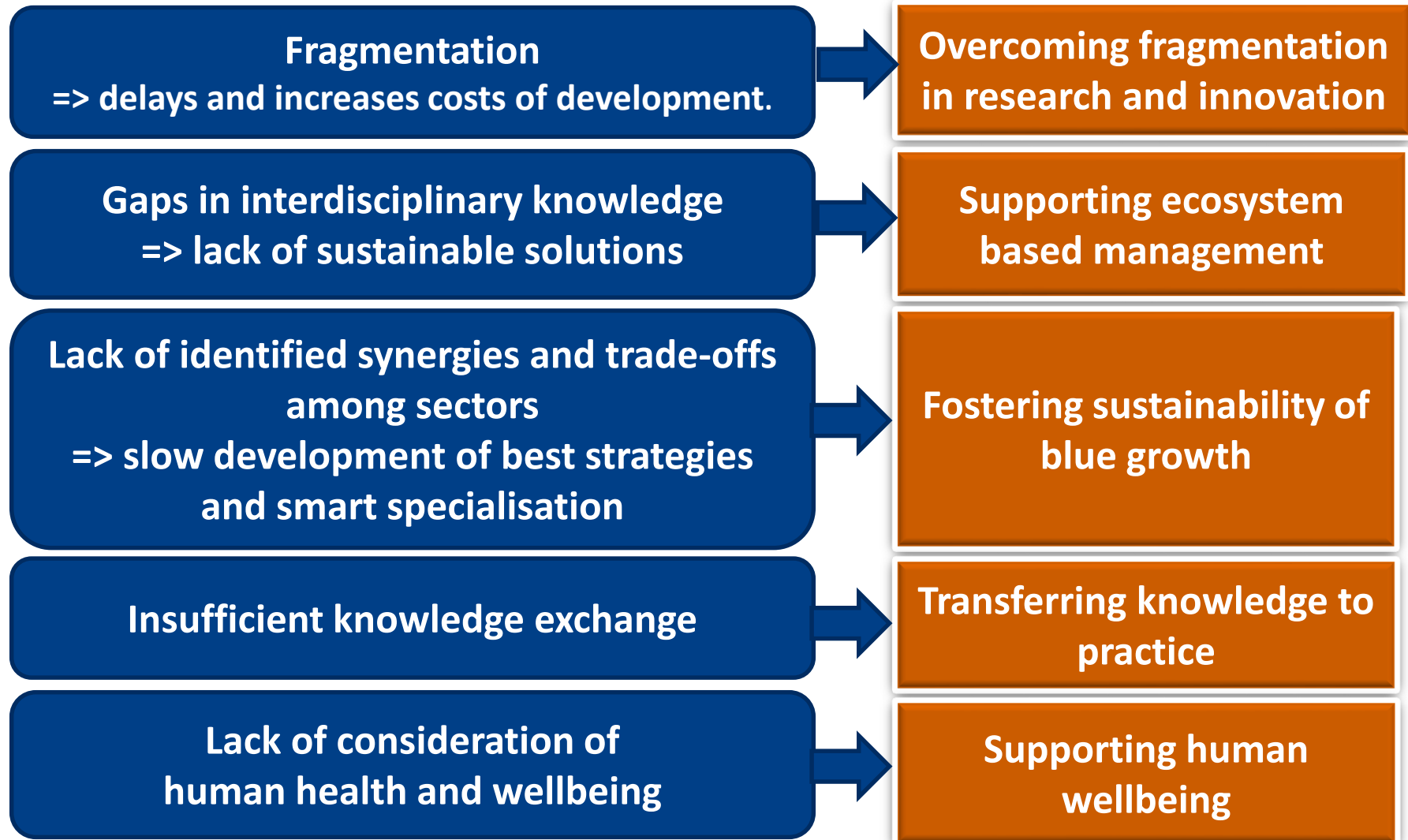
Rational:

- similar challenges from climate and sea level change
- interconnected seas impacted by water exchange with the North Atlantic
- runoff from large, densely populated and heavily exploited catchment areas
- homogeneous cultures and visions for exploiting marine resources, high potential for the 'blue growth' in the whole region, enhancing global level competitiveness
- similarities in policy setting (HELCOM, OSPAR)



Source: Danish Meteorological institute. <http://ocean.dmi.dk/>

From blue growth challenges to programme's objectives



THANK YOU!

Further information

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