



# BONUS

SCIENCE FOR A BETTER FUTURE OF THE BALTIC SEA REGION



The only joint research and development programme addressing the issues of one particular European regional sea




**Five BONUS  
strategic  
objectives:**





**Five BONUS Strategic objectives are:**

- 1. Understanding the Baltic Sea ecosystem structure and functioning**
- 2. Meeting the multifaceted challenges in linking the Baltic Sea with its coast and catchment area**
- 3. Enhancing sustainable use of coastal and marine goods and services of the Baltic Sea**
- 4. Improving the capabilities of the society to respond to the current and future challenges directed to the Baltic Sea region**
- 5. Developing improved and innovative observation and data management**



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**A unique funding mechanism integrating the national and European Community funds for research and development with certain purpose**

**BONUS GOHERR kick-off meeting, 20 April 2015**

BONUS is a joint venture of 18 (!) national research and innovation funding institutions and the European Commission.

The current phase will continue until the end of 2017 and with few derogations follows the FP7 rules of implementation.

Programme's totam budget can reach up to EUR 100 million



**Kaisa Kononen** – Executive Director

**Minna Ulvila** – Finance Manager

Minna and **Tiina Tembe** – Assistant – takes care of Programme’s finances: they will be your main contacts on the financing issues.

**Maija Sirola** – Communications Manager – and

**Pankaj Pant** – Trainee – are BONUS Secretariat’s communications team. They are your main contacts on communications and stakeholder engagement matters. Maija and Pankaj are always interested in hearing news from the BONUS projects.

**Andris Andrusaitis** – Programme Manager - is responsible for development of the BONUS research agenda scientific implementation of the BONUS projects;

**Markku Ranta** – Innovation Call Manager - focuses on arranging the BONUS calls for innovation projects. Markku runs the selected innovation projects;

**Meelis Sirendi** – Programme Officer - manages the BONUS calls for research projects. Meelis is our guru on the project administration issues and BONUS EPSS. As an additional workload load Meelis takes care of contracting and reporting free-of-charge access to research infrastructures furnished by the BONUS states.



The main gateway into the BONUS life is BONUSPORTAL. Much of administrative guidance for the BONUS project participants can be found under PROJECTS/Information for participants. This is a living page! Based on our experience and feedback from the projects, Guide for Participants gets updated and new guidance resources and useful examples appear. E.g. now we are working on a consolidated IPR and data publicity guidance document.

Follow this page regularly!

Do not hesitate to give us your feedback!





Content of the BONUS projects' page is created by the BONUS projects themselves. Maija and Pankaj have already informed you how it works.

Note the BLOGS section! Be yourself prepared to become bloggers of your project!

Note: although BONUSPORTAL and BONUS Project page serve as powerful tools for project communications and visibility, they do not replace project's own webpage!



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## Seven 'Viable Ecosystem' projects started in early 2014



- **BAMBI**: Baltic Sea marine biodiversity – addressing the potential of adaptation to climate change
- **BIO-C3**: Biodiversity changes - causes, consequences and management implications
- **INSPIRE**: INtegrating SPatial pRocesses into Ecosystem models for sustainable utilization of fish resources
- **COCOA**: Nutrient COcktail in COAstal zones of the Baltic Sea
- **CHANGE**: Changing antifouling practices for leisure boats in the Baltic Sea
- **BLUEPRINT**: Biological lenses using gene prints
- **Soils2Sea**: Reducing nutrient loadings from agricultural soils to the Baltic Sea via groundwater and streams

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GOHERR is now joining the 28-strong family of the BONUS research and innovation projects.

The first seven projects were selected in the BONUS «Viable Ecosystem» call of 2012. These projects commenced in January – February 2014.

In our internal slang we call this group – the Viable ecosystem (VE) projects.

More detailed information about these and all other BONUS projects can be found in BONUSPORTAL.



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### 13 'Innovation' projects started in mid-2014

**OPTITREAT** - Optimisation of small wastewater treatment facilities

**PROMISE** - Phosphorus recycling of mixed substances

**ANCHOR** - The captain assistant system for navigation and routing during operations harbour

**FERRYSCOPE** - Bridging the divide between satellite and shipborne sensing for Baltic Sea water quality assessment

**FISHVIEW** - Assessing fish passages by the use of a robotic fish sensor and enhanced digital imaging

**MICROALGAE** - Cost efficient algal cultivation systems – a source of emission control and industrial development

**...and seven projects more**

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In January – July 2014 the first seven BONUS projects were joined by 13 projects that resulted from the «Innovation» call of 2012.

Internally we call this group – the Innovation (INNO) projects. As a rule, the BONUS INNO projects are more focused on a specific issue/solution and they are smaller in terms of number of participants and funding.



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## Eight 'Sustainable Ecosystem Services' projects starting in April 2015



**GOHERR** Integrated governance of Baltic herring and salmon stocks

**MIRACLE** Mediating integrated actions for sustainable ecosystem services in a changing climate

**BALTICAPP** Wellbeing from the Baltic Sea – applications combining natural science and economics

**GO4BALTIC** Coherent policies and governance of the Baltic Sea

**BALTICOAST** A systems approach framework for coastal research and management in the Baltic

**BALTSPACE** Towards sustainable governance of Baltic marine space

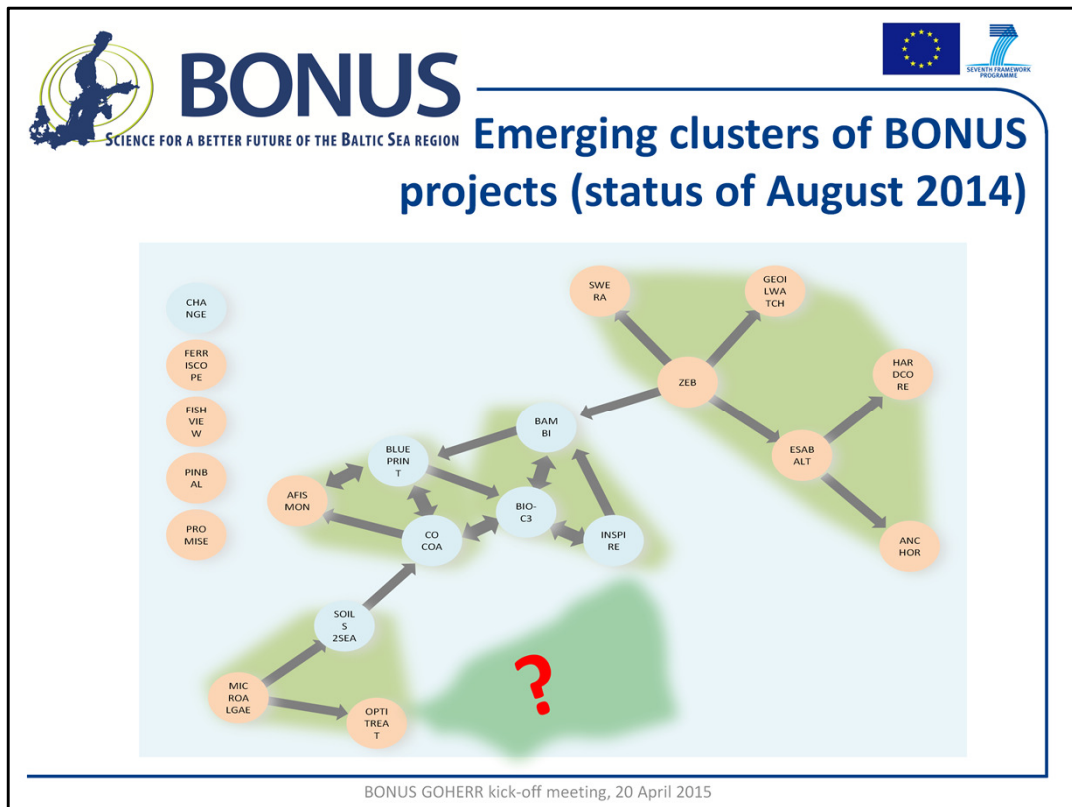
**STORMWINDS** Strategic and operational risk management for wintertime maritime transportation system

**SHEBA** Sustainable shipping and environment in the Baltic Sea

BONUS GOHERR kick-off meeting, 20 April 2015

Finally, these are the eight projects selected in the «Sustainable Ecosystem Services» call of 2014. All GOHERR sister projects are starting in April 2015.





BONUS encourages thematic clustering of projects in order to benefit of potential synergies, avoid duplication and optimise the use of resources. The most obvious forms of collaboration could include e.g. (i) potential future integration of the study results and/or innovative solutions, (ii) data exchange, (iii) transfer of methodological innovation to other project, (iv) joint contribution to development of policies and management, (v) joint training and dissemination activities, (vi) joint use of research infrastructures.

The figure above illustrates outcome of the 'mutual interest' exercise performed at the first Forum of Project Coordinators (FPC) session in August 2014. Light blue circles denote the research projects and pink circles denote the innovation projects. Arrows indicate the direction of interest expressed by members of project consortia. "Green islands" indicate the emerging clusters and groupings among projects.

GOHERR, along with other SES projects is yet to find their position on the BONUS clustering map. This will be one of the matters to discussed at the second FPC session, fall 2015. In this respect initiative from projects is welcomed.



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## BONUS projects on backdrop of the BONUS SRA themes

RESEARCH THEMES (ABBREVIATED TITLES)	CURRENT STATUS OF THE KEY THEMES' COVERAGE
1.1 Dynamics of biogeochemical processes	
1.2 Changing biodiversity	BAMBI, BIO-C3
1.3 Food web structure and dynamics	
1.4 Impacts of hazardous substances	
2.1 Changes in catchment land cover patterns	SOILS2SEA
2.2 The role of the coastal systems	COCOA
2.3 Integrated coastal management	BALTCOAST
2.4 Eco-technological approaches	MICROALGAE, OPTITREAT, PROMISE, SWERA, ZEB
3.1 Maritime risk analysis and management	STORMWINDS
3.2 Effects of air and water pollution by shipping	SHEBA
3.3 Improving stock assessments, spatial heterogeneity of stocks	INSPIRE
3.4 Evaluation framework for fisheries management	
3.5 Sustainable aquaculture in the Baltic Sea	
4.1 Governance structures, performance and policy instruments	CHANGE, GO4BALTIC, GOHERR, MIRACLE
4.2 Linking ecosystem goods and services to human lifestyles and well-being	BALTICAPP
4.3 Maritime spatial planning	BALTSPACE
5.1 Integrated monitoring programmes	BLUEPRINT
5.2 Innovative measurement techniques	AFISMON, FERRYScope, FISHVIEW, HARDCORE, PINBAL
5.3 User-driven ICT services	ANCHOR, ESABALT, GEOILWATCH

Source: BONUS Review 2014

Please download the whole BONUS Review 2014:  
[http://www.bonusportal.org/files/3861/BONUS\\_review\\_2014.pdf](http://www.bonusportal.org/files/3861/BONUS_review_2014.pdf)



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## Schedule of deliverables

Deliverable No & title	Nature	Dissem. level	Delivery month	Participant responsible
<a href="#">7.1 Project web-pages and electronic flyer (report)</a>	RE/PP	PU	2	UH, Finland
<a href="#">1.1 Periodic reports (12 months)</a>	RE/PR	RE	14	UH, Finland
<a href="#">3.1 Concretizing fundamental values to normative future targets: What are the objectives and outcomes of Baltic salmon and herring governance processes</a>	RE/SP	RE	14	UOULU, Finland
<a href="#">3.2 Online description of the scenarios developed, applicable in the dioxin model (Task 5.1) and decision support model of WP6</a>	PP	PU	16	UOULU, Finland
<a href="#">3.3 Exploring futures of Baltic salmon and herring by assessing potential impacts of ecosystem approach</a>	RE/SP	RE	20	UOULU, Finland
<b>... and so on until M38</b>				

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Finally, few words about scientific reporting.

Schedule of deliverables in BONUS EPSS is the basis for scientific reporting. The table above shows the deliverables due in the first 16 months of BaltCoast. Each deliverable has distinct nature, level of dissemination and month of delivery. These have been agreed during the grant agreement negotiations. Changes are possible, but always must be preceded by a justified request from Coordinator before the delivery time.

Please consult the BONUS Guide for Participants in [http://www.bonusportal.org/files/3000/2014\\_11\\_20\\_Guide\\_for\\_BONUS\\_participants\\_November\\_2014.pdf](http://www.bonusportal.org/files/3000/2014_11_20_Guide_for_BONUS_participants_November_2014.pdf)

If this doesn't help, do not hesitate to ask the BONUS secretariat!



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**Scientific reporting through the BONUS EPSS is based on the project schedules of deliverables**



- 1) Work package leader submits a deliverable in EPSS**
- 2) Coordinator reviews the deliverable and endorses it**
- 3) Programme manager reviews the deliverable and approves it**

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We try to maintain the BONUS EPSS as a user-friendly tool. Please, give us your feedback, if you notice any space for potential of improvement.



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**The joint kick-off of the new BONUS projects + the Forum of Project Coordinators of all BONUS projects started earlier.**



- **Introduction of the seven new projects**
- **Presentation to the Programme's Advisory Board**
- **Forum of project coordinators**
- **Project clustering**      **Announcement upcoming!**  
**Place and date TBD**

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Most of all we expect interesting narratives about what, why and how will be studied!  
Tell us, what is exciting in your project!

**No boring formal lists of participants, work packages, milestones, deliverables and Gantt charts etc.!**

Also the BONUS Advisory Board meeting will be held during this event.





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[www.bonusportal.org](http://www.bonusportal.org)

**THANK YOU!**

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