

Overview on BONUS+ developments

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on behalf of BONUS SITF

Baltic Organisations Network for Funding Science EEIG

SITF = Strategy Implementation Task Force

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BONUS EVOLUTION

(2004-2008)

BONUS ERA-NET : Develop preconditions for a Joint Baltic Sea Research Program

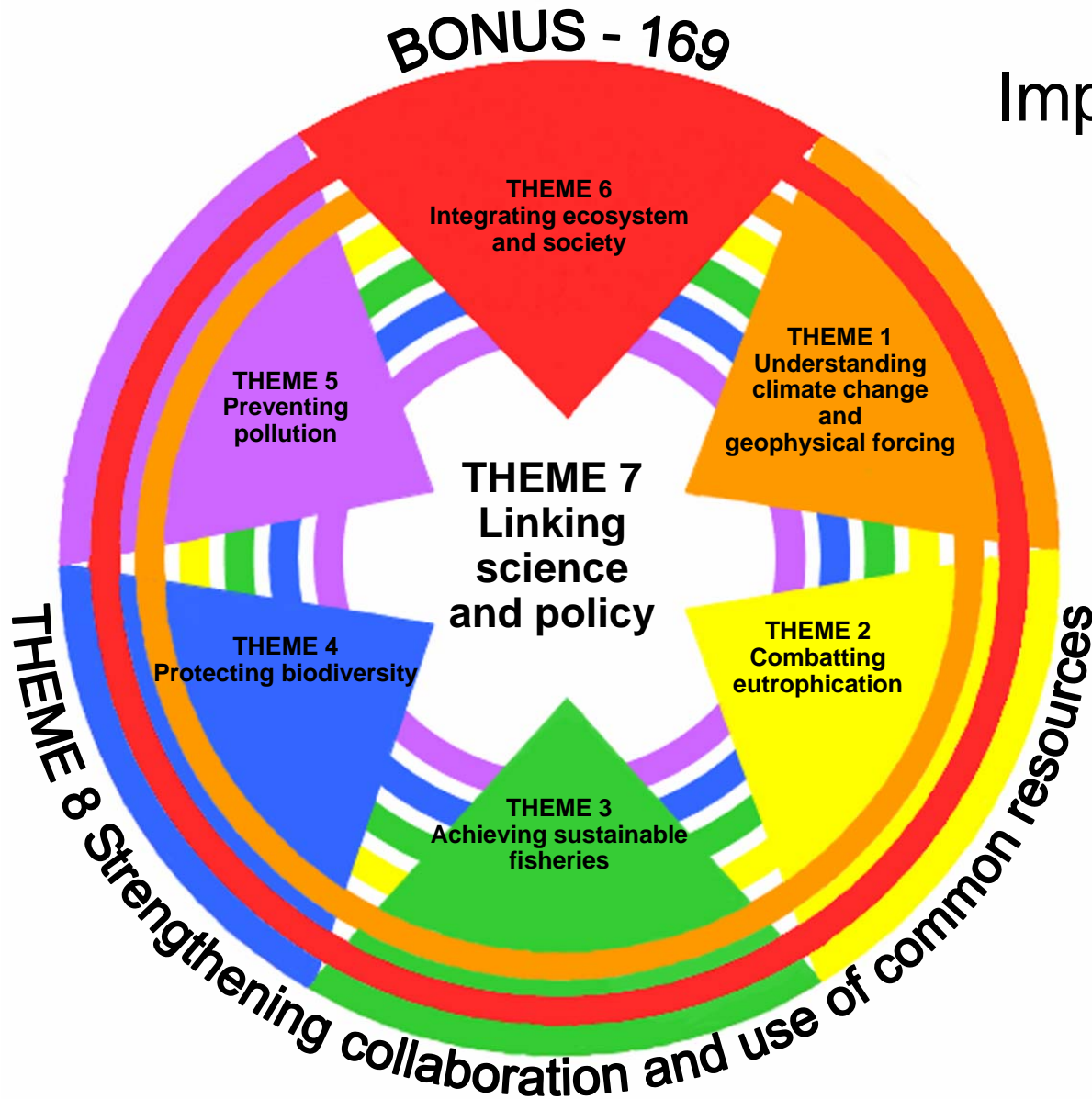
(2007-2011)

BONUS+ : Implement a Joint Call to test the mechanisms of collaboration among the national funding institutions. A bridging measure to more enduring integration.

(2011 -->.)

BONUS-169: Durable collaborative research program of the Baltic Sea states. In addition to joint calls involves deeper integration of research policies, infrastructures, training programs, exploitation of research products and dissemination of research results.

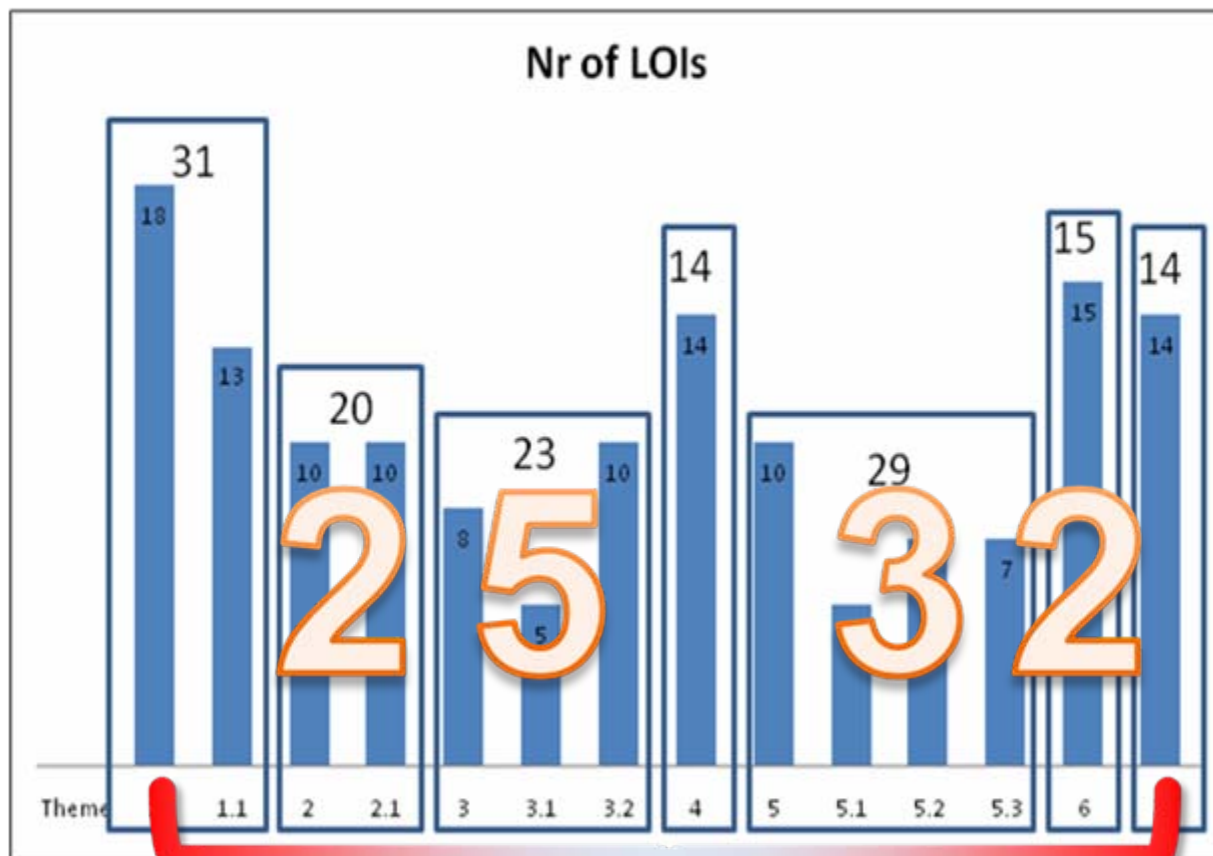
BONUS-169 Science Plan and Implementation Strategy Themes



BONUS+ Call

- Focus ' Ecosystem approach to management'
- 149 Letters of Intent, with 189 M€ applied
- Two phase evaluation
- 16 projects selected in June 2008,
- total ca. 22 M€,
- 2/3 by national funding agencies, 1/3 by EU ERANET+
- Success rate ca. 11 %

Groupings according to themes, n



1. Linking Science & Policy
1.1 Monitoring and management

2. Climate
2.1 Fluxes and biochemistry

3. Eutrophication
3.1 Eutrophication: Policy
3.2 Eutrophication: Drainage area

4. Fisheries

5. Biodiversity
5.1 Benthic communities
5.2 Pelagic communities
5.3 Invasive species

6. Pollution
7. Integrating ecosystem and society

4

Progress towards BONUS-169

Documents

BONUS-169 Baltic Sea Science Plan and Implementation Strategy // 2006

BONUS EEIG ACTION PLAN 2008-2011 (-2016) // prefinal draft 2008

2008: Start of the Programme

2009: Clustering

2010: Dialogue with the stakeholders, preparation of Calls to be launched,
beginning of article 169

2011: Management the First Call, opening of the Second Call

BONUS-169 Strategic Research Agenda // prefinal draft 2008

Activities

- **commitments by countries on participation**
- **dialogue with IAEG (Impact Assessment Expert Group) and COM**
- **reiteration of some aspects of the proposal**
- **submission and approval by COM and EP**



Background

Art. 169 and FP7 (1) – Preparation

➤ Commission's intentions on Art. 169 initiatives (on the basis of the November 2006 roadmap):

- **Art. 169 concept implies:**
 - ✓ integration of research efforts
 - ✓ a joint research programme (JP)
- **Three levels of integration are conditions for success:**
 - ✓ **Scientific integration**
 - ❖ Common definition and implementation of S&T activities
 - » central organization of calls
 - » common evaluation and selection rules
 - » centralized monitoring of projects
 - ✓ **Management integration: Dedicated Implementation Structure (DIS) with appropriate governance**
 - ✓ **Financial integration**
 - ❖ appropriate earmarked funds
 - ❖ from a “virtual common pot” to a “real common pot”



Art. 169 and FP7 (2) – Identification criteria in FP7 Decision

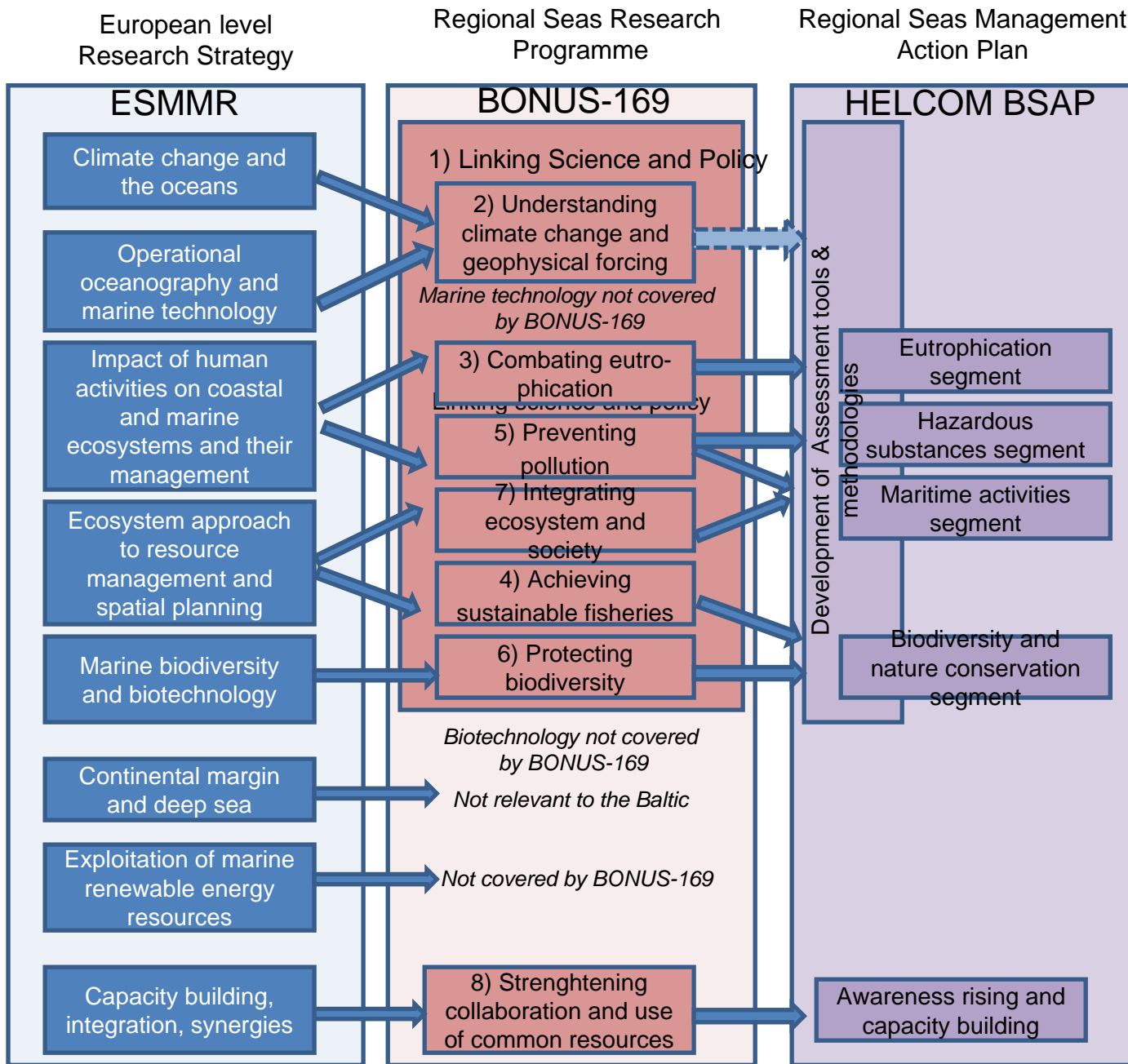
- L 412/10 Decision No 1982/2006/EC of the European Parliament and of the Council of 18 December 2006 concerning the Seventh Framework Programme of the European Community for research, technological development and demonstration activities
- **Relevance to Community objectives**
- **Clear definition of the objective to be pursued and its relevance to the objectives of FP7**
- **Presence of a pre-existing basis (existing or envisaged research programmes)**
- **European added value**
- **Critical mass, with regard to the size and the number of programmes involved and the similarity of activities they cover**
- **Efficiency of Article 169 as most appropriate means for achieving the objectives**

Background

BONUS-169 in support of European Policies

- ERA
- Joint Programming
- European Maritime Policy and its Marine Environment Strategy
 - HELCOM Baltic Sea Action Plan
- Marine and Maritime Research Strategy
- Neighbourhood Policy
- Northern Dimension Policy
- Baltic Sea Strategy
- Common Fisheries Policy (CFP)
- Common Agriculture Policy (CAP)
- Water Framework Directive

SCIENCE  **POLICY**



Activities of BONUS-169

1. **Calls** to the scientific community that will refer to specified topics originating strategically from the BONUS-169 Science Plan and Implementation Strategy.
2. **Synthesizing** and **disseminating** research outputs for better bridging the gap between science and users.
2. **Conferences** and **workshops** linked to networking and coordinating the region's nationally funded research.
4. **Educating** and **training** new generations of young scientists.
5. Ensuring the **development, visibility** and **sustainability** of the Joint Baltic Sea Research Programme and promoting the **transfer** of its achievements to other

BONUS-169 Draft Strategic Research Agenda

- - Theme 2 „Understanding climate change and geophysical forcing”.

(3) Developing and applying innovative observation strategies, and operational forecasting and modelling systems.

All studies must take into account the dynamic change of natural forcing on the Baltic Sea ecosystem including its drainage basin.

Support to innovation in operational oceanography observation and data management tools must be encouraged, especially with regards of operational forecasting of the extreme events and man-made

BONUS-169 Draft Strategic Research Agenda

- - Theme 3 “Combating eutrophication”
(2) ***Effects and consequences of eutrophication in the system.***

Most of the contemporary models have difficulties in assimilating the knowledge and uncertainty of how nutrient enrichment influences marine productivity.

BONUS-169 Draft Strategic Research Agenda

- Theme 4 “Achieving sustainable fisheries”
(1) ***Developing the scientific basis for implementing the ecosystem approach to fisheries management.***

Emphasis shall be put on multispecies approach, and investigation of ecological role of fish populations in the Baltic ecosystem.

The real research challenges are to assess the indirect social value of fisheries, to shift from single- to multi-species projections, and to improve the understanding of the ecological role of fish populations in the Baltic Sea ecosystem.

BONUS-169 Draft Strategic Research Agenda

- Theme 5 “Protecting biodiversity”.

(2) *Conservation of habitats and their associated species and communities.*

There are lot of unclear questions concerning protection of habitats: e.g. lack of reliable high resolution coastal and offshore habitat maps, lack of scientific evidence to achieve consensus on meaningful protective regimes and zones of MPAs, issues related to the minimal size, necessary overall percentage of areas under protection, buffer zones, connecting corridors etc. This key research issue is also strongly linked to Marine Spatial Planning.

BONUS-169 Draft Strategic Research Agenda

- Theme 7 “Integrating ecosystem and society”

(4) *Developing the scientific basis for improving governance of the Baltic Sea ecosystem.*

One of the present actualities is developing of scientific basis and institutional/governance instruments to achieve full cross-sectoral cooperation with regards sustainable use of marine services and goods.

Another ‘horizontal’ research priority is studies supporting Marine Spatial Planning (MSP) in the Baltic. The need to



Background

External Expertise

- Bonus 169 Impact Assessment Expert Group (IAEG) was set up in July 2008 under the responsibility of DG RTD comprising 5 independent experts with broad experience to assist the EC in the preparation of the Bonus 169 impact assessment. It is to be noted that an Impact Assessment (IA) must accompany any legislative proposal by the Commission
- The IAEG held four meetings in Brussels on 17 July, 8 - 10 September, 6 - 7 and 20-21 November 2008
- To allow for exchanges and interactions among the IAEG and BONUS representatives and to give the opportunity to the experts to raise any query they may have to the BONUS representatives, the second day of the second meeting was dedicated for discussion between the IAEG and BONUS representatives.

Some criticism by IAEG to BONUS-169

The Tentative Action Plan and Baltic Sea Science Plan

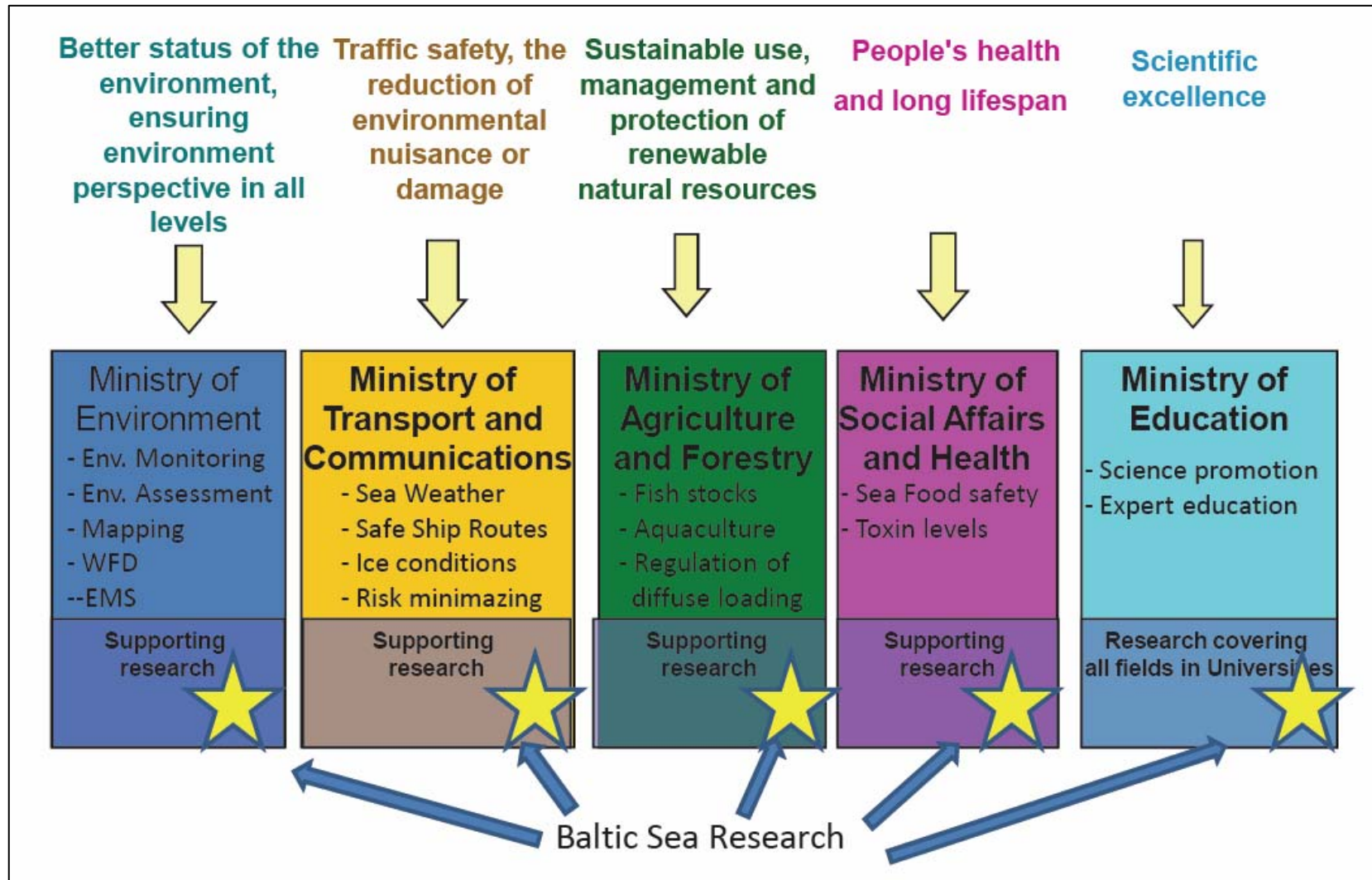
- do not show a sufficient evidence of **European Added Value**
- appear to be entirely science driven, **not policy driven**
- links to **industry** and contacts with **other European sea basins** have been limited
- focuses almost exclusively on **marine research**
- “**drainage basin**” approach for the Baltic Sea not developed enough

The Indicative Financial Plan

- “**fresh**” **money** plus “in-kind” and “in-kind infrastructure” contributions **appear small** to reach the critical mass

Need to address cross-sectorial issues challenges and problems

169 allows only competed funding based on calls



For discussion

GERMS OF JP IN THE BALTIC



CLIMATE CHANGE IN BSR

SOCIO-ECONOMIC ISSUES OF BS ENVIRONMENT



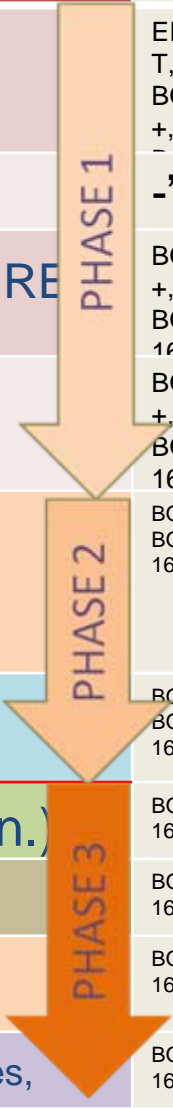
COMPET ED RESOUR CES

NON-COMPET ED RESOUR CES

BONUS
Baltic Organisations Network for Funding Science EEIG

COLLABORATIVE PROGRAMMING: BONUS-169 APPROACH

	EE	FI	DK	DE	LT	LV	PL	SW	RU		
JOINT PROSPECTIVE ANALYSIS			"FRESH" MONEY (R&D)								ERANE T, BONUS +, -"
Integration of R&D policy			"FRESH" MONEY (R&D)								-"
JOINT CAPACITY BUILDING ACTIVITIES	"FRESH" MONEY AND JOINT INFRASTRUCTURE USE										
JOINT CALLS			"FRESH" MONEY (R&D)								BONUS +, BONUS-169
Regional Thematic Program	B A L T E X (existing, Hydromet)										BONUS+, BONUS-169
Reg. Them.Pro	B A L T I C N E S T (existing, Env., R&D)										BONUS+, BONUS-169
Reg. Them.Prog.	B A L T I C "S T E R N" (in prep., Soc-econ.)										BONUS-169
Reg. Them.Prog.	B O O S (existing, Transp., Hydromet)										BONUS-169
Reg. Them.Prog.	* * * * *										BONUS-169
Reg. Them.Prog.	B A L T I C F I S H A S S E S S M E N T (exist., Fisheries, Agriculture)										BONUS-169



THE MAIN DIMENSION OF INTEGRATION: CROSS-SECTORIAL