

# InnoAquaTech

## An Opportunity for Aquaculture in South Baltic

Valentin Eckart, BioCon Valley® GmbH  
Workshop – Innovative aquaculture solutions  
Gdynia, Poland

29.03.2017

[www.innoaquatech.eu](http://www.innoaquatech.eu)

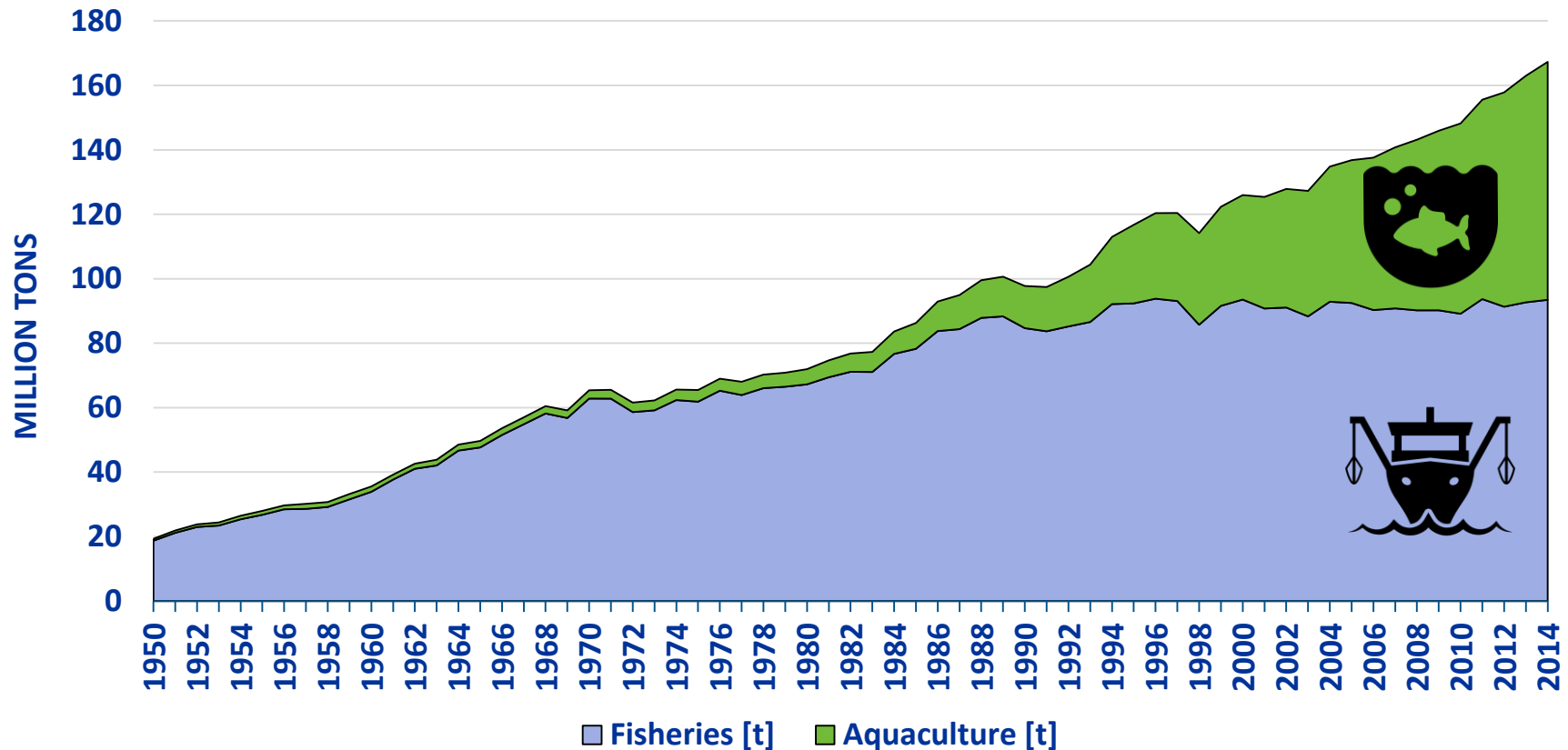
 #InnoAquaTech

**BioCon Valley®**

# The State of World Fisheries and Aquaculture



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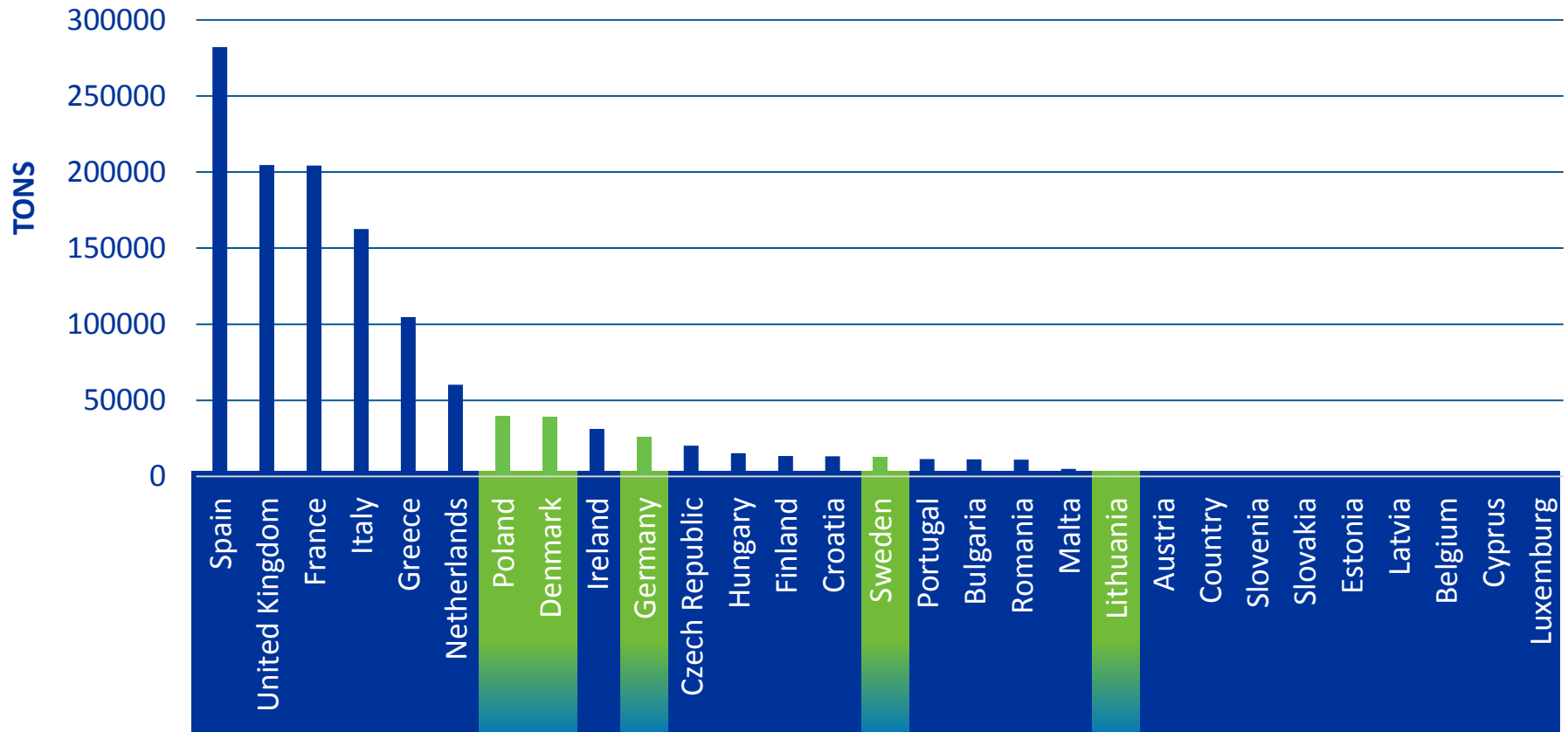
Redrawn from FAO 2016

**Aquaculture is still a fast growing sector!**

# Where do we find the South Baltic Region (SBR)?



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source: FAO 2016

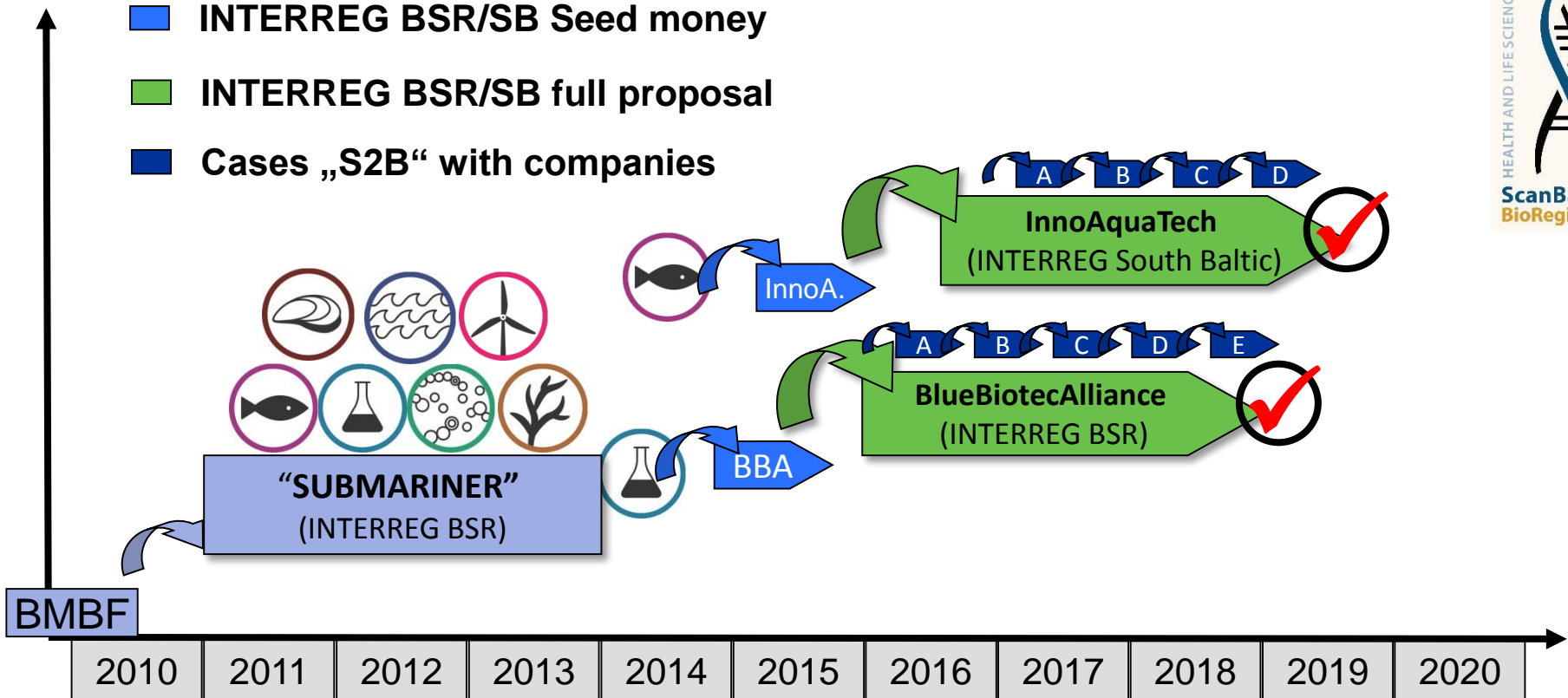
**The SBR does not play a big role in EU's aquaculture sector. Net cage aquaculture is still the most prominent technology.**

# Road Map of Cross-Border Cooperation



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- Basic projects
- INTERREG BSR/SB Seed money
- INTERREG BSR/SB full proposal
- Cases „S2B“ with companies



Jul. – Dec. 2015: EU-seed-money-project and final project (2016 – 2019) for  
**Innovative Aquaculture Technologies in the South Baltic – „InnoAquaTech“**

# Findings of the SUBMARINER Compendium



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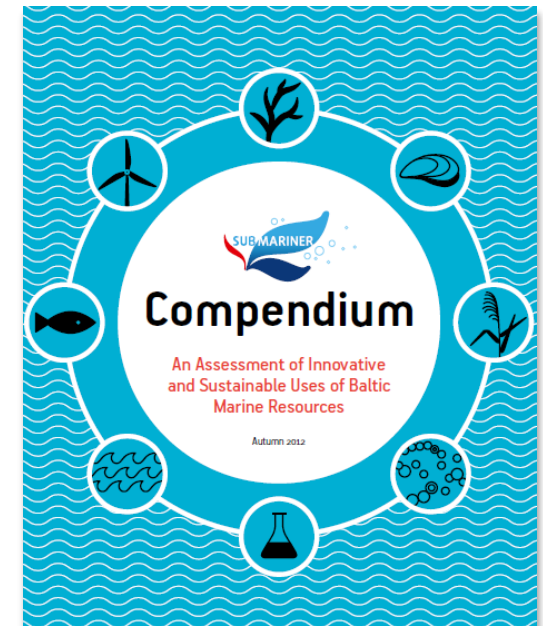
## Challenges of SBR:

- Lack of suitable sites in the sea
- Rarely established marine aquaculture production
- Existing open net cage aquaculture is not sustainable, yet

**strong technology sector**

## Highest potential in SBR:

- Land-based Recirculating Aquaculture Systems (RAS)
- Integrated Multitrophic Aquaculture (IMTA)



# InnoAquaTech Overview I

## Facts



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### Purpose of the project:

InnoAquaTech contributes to cross-border development and the transfer of innovative, sustainable, and environmentally friendly aquaculture technology within the South Baltic Region - a hot topic on the European Commission Blue Growth Agenda.

### Partners:

- 1** BioCon Valley GmbH (DE), - *Lead*
- 2** University Rostock (DE)
- 3** AgroTech/DTI (DK)
- 4** Maritime Institute in Gdańsk (PL)
- 5** University of Gdańsk (PL)
- 6** National Marine Fisheries Research Institute (PL)
- 7** Klaipeda Science and Technology Park (LT)

BioCon Valley – Life Science and Health in Mecklenburg-Vorpommern, Germany



Project Partner: 

Running Time:

01.07.2016 –  
30.06.2019

Total Budget:

€ 1.677.126,25

Programme:

Interreg South Baltic  
<https://southbaltic.eu/>

# InnoAquaTech Overview II

## *Key Elements*



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### **Production:**

Access to state-of-the-art technology, know-how, expertise, lifecycle analysis and financing models for SMEs



### **Investment:**

Decision support (tool) for potential investors and establishment of a strong aquaculture economy in the SBR



### **Scientific knowledge (4 pilots):**

Evaluation of sustainability and development of innovative and integrated recirculating aquaculture systems - RAS

# InnoAquaTech Overview III

## *Concept of SME study visits*



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### Background

- Presentation about:
  - Regional market situation
  - Environmental conditions
  - Importance of facility
- Gathering questions and needs of participants



### Demonstration

- Facility tour
- Demonstration of:
  - Used technology and best practice
  - Quality management and animal welfare
  - Existing value chain



- Exchange of ideas and experiences
- Getting in contact for future collaboration



# InnoAquaTech Overview IV

*Concept of SME summer schools and matchmaking events*



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## Planned dates:

- University of Rostock (3.Q 2018)
- University Gdansk(1./2. Q 2019)

## Concept:

- Combination of:
  - Experts speeches
  - Small scale projects
  - Laboratory activities
  - Field trips

## Topics:

- Aquaculture systems
- Feed
- Chances and risks
- Animal welfare
- Sustainability
- Best-Practice



Project Partner, associated  
Partner and external specialists



SMEs, producers, investors,  
stakeholders

Understanding of  
sustainable  
aquaculture

# Outlook



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Picture: Garnelenfarm Grevesmühlen, Germany

- 30.-31. March 2017 fish congress in Sopot, Poland
- 14.-17. Sep. 2017 MELA 2017 in Güstrow, Germany
- 27.-28. Sep. 2017 SUBMARINER Conference: Better Off Blue in Berlin, Germany
- 12.-13. Oct. 2017 4th Nordic RAS Workshop in Aalborg (Denmark)
- 17.-20. Oct. 2017 Aquaculture Europe in Dubrovnik (Croatia)

# Thank you for your attention

more information at [www.innoaquatech.eu](http://www.innoaquatech.eu)

## Press releases:

- 28.04.2016 „EU fördert Aquakulturforschung - BioCon Valley® erneut erfolgreich bei Interreg-Programm“; <https://idw-online.de/de/news650393>
- 28.04.2016 EU is funding aquaculture research – again BioCon Valley® succeeds in Interreg program“; <https://idw-online.de/de/news650394>
- 26.10.2016 „A Kick-Off for InnoAquaTech in the South Baltic Region“; <http://www.submariner-network.eu/index.php/news/general-news/188-a-kick-off-for-innoaquatech-in-the-south-baltic-region>
- 17.11.2016 „Baltic Sea project presents fish cultivation of tomorrow on EuroTier 2016“, <https://idw-online.de/de/news663462>

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