Challenges to and opportunities for activation of the business and R&D sectors in Pomorskie

Be Smart, Think Blue Conference & Brokerage Event 2016
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BLUE POTENTIAL IN POMORSKIE

- Transport & freight forwarding
  54 mln tons of cargo and over 1.8 million TEU transhipped in 2015 - 2nd place in the Baltic Sea Region

- Design & construction:
  34 Tri-City ship design centres employ around 850 engineers

- Shipbuilding & Off-shore industry:
  Revenues approx 2.75 bn EUR, 90% of companies are private capital, 16,729 employees;

- Tourism:
  8mln tourists visited Pomorskie which is 25% of all traffic in Poland (1.8mln foreign tourists, mainly from Germany & Scandinavia);

- Food production:
  > 70 fish and shellfish processing plants are located in Pomorskie, with 172 thous. ton of production, which is one-third of the Polish market, 63% export oriented

* Source: Central Statistical Office of Poland 2015 r.
BLUE EDUCATIONAL OFFER

University of Gdansk
- Oceanology and Geography: 1405 students
- Biotech, chemicals, pharmaceutics and cosmetics: 9000 students

Gdansk University of Technology
- Ocean Engineering: 1227 students
- Electronics and communication: 1099 students
- Electrical Engineering: 1178 students
- Mechanics and machines construction: 1252 students

Gdynia Maritime University
- Electronics and communication: 413 students
- Electrical Engineering: 586 students
- Mechanics and machines construction: 987 students

Gdynia Naval Academy
- Automatics and robotics: 56 students
- Mechanics and machines construction: 231 students

Shipbuilding Faculty at Gdansk University of Technology was established in 1904
COMPETITION FOR SMART SPECIALIZATION

announced on May 2014 by the Self-Government of the Pomorskie Region

opened to all interested regional Partners and stakeholders

assessed by the Selection Board

conducted in 2-stages

1st stage: 28 Partnerships submitted proposals (assessed in terms of their strengths and weaknesses and growth potential)

2nd stage: a final number of 7 proposals (full assessment)

decision: 4 Pomorskie Smart Specialisations (April 2015)

signing the Agreements on Smart Specialisations in January 2016
**POMORSKIE SMART SPECIALISTIONS**

- **Off-shore, port and logistics technologies** which will foster on the economically effective and environmentally safe exploration and exploitation of maritime resources.

- **Interactive technologies in an information-saturated environment** which will improve the effectiveness and security of various human activities in the economic and social sphere.

- **Eco-effective technologies in the generation, transmission, distribution and consumption of energy and fuels and in construction** which will contribute to decreased energy consumption of the economy and lower its negative impact on the environment.

- **Medical technologies in the area of civilization and ageing-associated diseases** which will contribute to the reduction of social and economic costs of civilization and ageing-associated diseases.
MAIN PRIORITY RESEARCH AREAS:

- Universal solutions for exploitation of marine resources;
- Vehicles and vessels to be used in marine and coastal environment;
- Equipment, techniques and systems for monitoring and cleaning the marine environment and its facilities;
- Innovative ways and technologies for utilizing natural compounds produced by marine organisms;
- Technologies, equipment and processes aimed at improving the safety and efficiency of transportation and logistics in ports.
POMORSKIE SMART
SPECIALIZATIONS - PARTICIPANTS

- 292 companies
- 43 schools and higher education institutions
- 38 business support institutions and numerous NGO’s
- 12 municipalities & 6 hospitals

Partners:
- Port Gdańsk
- CRIST
- Energa
- LOTOS
- Polpharma
- Gdynia Special Economic Zone
- PPNT Gdynia
- Pomeranian Science and Technology Park
- Starter
- Fundacja Marka Kaminskiego
- GOT
- University of Gdańsk
- Sopot
- University of Gdańsk
- State University of Applied Sciences in Gdynia
- University of Gdańsk
- Malbork
- Słupsk
consolidation of the scientific and business community in the process of defining smart specialisation, building trust and openness;

defining horizontal projects that are of crucial importance for the region;
establishing the Councils of Smart Specialisations that facilitate contact with business and science partners

mobilisation of research potential in the Pomeranian companies – due to the idea of smart specialisations as well as the competitions within regional operational programme
### BLUE GROWTH PROJECTS

<table>
<thead>
<tr>
<th>Type of the Project (Competition)</th>
<th>Number of Projects</th>
<th>Value of the Projects (Million EURO)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Expansion through innovations</strong> (competition no 1.1.1 ROP *)</td>
<td>23</td>
<td>35.06</td>
</tr>
<tr>
<td><strong>Profiled investments</strong> (competition no 2.2.1 ROP)</td>
<td>46</td>
<td>18.38</td>
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<tr>
<td><strong>Transfer of knowledge to the economy - research infrastructure</strong></td>
<td>4</td>
<td>31.03</td>
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<tr>
<td>(competition no 1.2. ROP)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Universities infrastructure</strong> (competition no 4.2 ROP)</td>
<td>2</td>
<td>6.2</td>
</tr>
<tr>
<td><strong>New educational programmes</strong> (competition no 3.1. OP KED**)</td>
<td>5</td>
<td>1.59</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td>80</td>
<td>92.26</td>
</tr>
</tbody>
</table>

*Regional Operational Programme
**Operational Programme Knowledge Education Development
lack of proven models of cooperation between science and business resulting in reluctance of entrepreneurs to establish cooperation with universities;

shallow understanding of the concept of ‘innovation’ - not enough innovative projects;

highly restrictive rules of state aid law;

lack of experience in the preparation of research projects;

difficulties in defining research problems by enterprises
Thank you for attention