

## Research plan of the NMFRI for 2018

### 1. Scientific basis for the sustainable management of fisheries resources

<i>Title</i>	<i>Source of funding</i>	<i>Time of implementation</i>
<b>Fund from the Ministry of Science and Higher Education of Poland 2018</b>		
The population dynamics of major commercial fish species of the southern Baltic		2018-cyclical
Recruitment of cod and sprat vs hydrological conditions as well as the composition and availability of food base		2018 cyclical
Maritime Fishing Industry		2018 cyclical
Methods of scientific monitoring of the problem of the low condition of fish		2018 new
Ecology of early development stages of fish in the Vistula Lagoon and the Pomeranian Bay		2018 - continuation
Fish migration research based on ARIS multi beam sonar		2018 continuation
<b>Other sources of funding</b>		
Tagging Baltic Cod	DTU Aqua within BalticSea2020	01.01.2016-31.12.2020
Identification of infection sources for Baltic cod with parasites, based on the analysis of parasite fauna of marine invertebrates occurring in food of these fish	NSC-PRELUDIUM	08.07.2016-07.07.2018
Influence of environmental conditions on a growth rate of larval cod ( <i>Gadus morhua</i> ) in the southern Baltic	NSC (OPUS-8)	11.08.2015 - 10.08.2018
Multiannual Programme for Collection of Fisheries Data	Fisheries Department Ministry of Marine Economy and Inland Navigation Agency for Restructuring and Modernisation of Agriculture	2014-2018

## 2. Actions for coastal fisheries

<i>Title</i>	<i>Source of funding</i>	<i>Time of implementation</i>
<b>Fund from the Ministry of Science and Higher Education of Poland 2018</b>		
Directions of the growth of the added value of fish and fish products of coastal fisheries and their labelling		2018 new
Genetic basis for restoring the pike population in the Bay of Puck		2018 new
Testing acclimation of the early life stages of pike to salt water		2018 continuation
Restoring of turbot - effectiveness of natural spawning and restocking		2018 new
Assessment of the usefulness of herring trap nets in the conditions of the Szczecin Lagoon		2018 new
Study on mitigation measures to minimise seabird bycatch in gillnet fisheries		2018 new

## 3. Innovative methods of using raw materials of aquatic origin

<i>Title</i>	<i>Source of funding</i>	<i>Time of implementation</i>
<b>Fund from the Ministry of Science and Higher Education of Poland 2018</b>		
Optimization of methods of using pelagic fish for consumption purposes		2018 continuation
Mechanical recovery of non-degraded meat from salmon backbones		2018 new
Potential of sludge from the fish industry for the production of biochar		2018 new
Commercialization of research results		2018 cyclical
<b>Other sources of funding</b>		
<b>ProHealth:</b> Innovative processing to preserve positive health effects in pelagic fish products	NCRD A Healthy diet for a healthy Life (JPI HDHL)	10.03.2016- 31.03.2019
<b>SeaQual:</b> Seafood safety and quality in terms of the zoonotic and toxicological hazard: risk assessment, monitoring and mitigation	NCRD – BIOSTRATEG	17.05.2016 - 28.02.2019
<b>SUCCESS:</b> Strategic Use of Competitiveness towards Consolidating the Economic Sustainability of the European Seafood sector	HORIZON 2020	01.04.2015 - 31.03.2018
<b>InnoAquaTech:</b> Cross-border development and transfer of innovative and sustainable aquaculture technologies in the South Baltic area	INTERREG South Baltic	01.07.2016 - 30.06.2019

#### 4. Influence of anthropogenic pressure and opportunities for Blue Growth in the Baltic region

<i>Title</i>	<i>Source of funding</i>	<i>Time of implementation</i>
<b>Fund from the Ministry of Science and Higher Education of Poland 2018</b>		
Runoff of nutrients in the Vistula and Oder basins		2018 continuation
Assessment of the impact of selected environmental stressors on marine organisms		2018 continuation
Birds as an element of POPs transfer into the environment		2018 continuation
Microplastics in the coastal waters of the southern Baltic		2018 continuation
Methods of examining the cumulative impact of anthropic pressure in the Puck Bay		2018 new
Trophic interactions and their consequences for water quality in the conditions of anticipated anthropic pressure growth in the Vistula Lagoon		2018 new
<b>Other sources of funding</b>		
<b>MICROPOLL:</b> Multilevel assessment of microplastics and associated pollutants in the Baltic Sea	NCRD within BONUS EEIG	01.07.2017-30.06.2020
Draft zoning plan for Polish Marine Areas in the scale of 1: 200 000	Maritime Office in Gdynia (consortium with Maritime Institute in Gdańsk )	22.07.2016-22.04.2019
<b>BLUEWEBS:</b> Blue growth boundaries in novel Baltic food webs	NCRD within the BONUS EEIG	01.04.2017-30.03.2020
Monitoring of ichthyofauna in the area of transitional and coastal waters	Chief Inspectorate for Environmental Protection	08.08.2017-12.11.2020

#### 5. Horizontal actions within the fund from the Ministry of Science and Higher Education of Poland 2018

- preparation of publications (finalization of topics that were without continuation in 2018)
- purchase of research equipment dedicated for various topics