

MareFrame



**National Marine Fisheries Research
Institute, Gdynia, Poland**





NATIONAL
MARINE
FISHERIES
RESEARCH
INSTITUTE

MareFrame

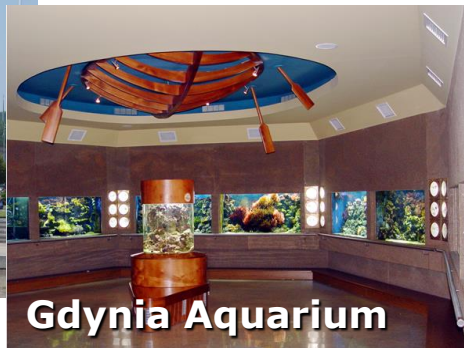
National Marine Fisheries Research Institute, Gdynia, Poland

<http://www.nmfri.gdynia.pl/>



Main building

- the oldest marine research institution in Poland (founded in 1921 as the Sea Fisheries Laboratory in Hel)
- Principal areas of research: fishery biology, oceanography, marine ecology, fish processing technologies, food and environmental chemistry, and fishery economics
- Overall staff ca. 200 persons



Gdynia Aquarium



Research Station
in Świnoujście



R/V *Baltica*



Relevant expertise of staff

- **Current EU FP projects:**

MareFrame, MYFISH, ComFish, LAGOONS, EURO-BASIN

- **Current BONUS projects:**

INSPIRE, BIO-C3

- **Previous experience:**

ODEMM, KNOWSEAS, BECAUSE, EFIMAS, FISBOAT, CHARM, COST-IMPACT, DECODE, INDECO, IN EX FISH, PROTECT, MANTRA-EAST, MARIFISH, SIBER, SIGNAL, UNCOVER

...

Jan Horbowy – fish stocks assessment, fishery management, ecological and statistical modelling

Anna Waś – population genetics , i.e. use of molecular genetic techniques to investigate evolutionary and ecological processes in marine fish populations

Piotr Margonski – implementation of ecosystem-based marine management and incorporation of the extrinsic drivers into fisheries management



Contribution to MareFrame

NMFRI has 14 man-months allocated in four workpackages:

- **WP-2 Select & apply analytical methods (3PMs)**
 - compilation of novel information on applying microsatellite and SNP's markers for cod, herring and sprat for the Baltic Sea (review literature and ongoing projects)
 - new information: cod stomach contents 2006-07, herring migration based on parasites data
- **WP-4 Ecosystem models & assessment models (2PMs)**
 - Multispecies Production Model*: model parameterisation for the Baltic, an attempt to include environmental effects on growth of fish
- **WP-5 Apply new methods in case studies (7PMs)**
 - contribution to the development of the EwE for the Central Baltic case study
 - application of Multispecies Production Model for the Baltic
- **WP-6 Develop a decision support framework (2PMs)**
 - application of analytical equilibrium curves for yield and biomass** to derive reference points

* Horbowy, 1996, 2005 (CJFAS, JAI)

** Horbowy & Luzeńczyk, 2012 (CJFAS)