Deutsches Meeresmuseum

CUMBIAH
Conservation union for the management of the Baltic harbour porpoise populations and their habitat



Autoren:

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CUMBIAH – aim

Provide actual information on the current status of harbour porpoise populations in the Baltic Sea

Analysis of national monitoring data

- Acoustic monitoring SAMBAH, German national Monitoring)
- Visual Monitoring (SCANS)
- Stranding monitoring



Photo: Harald Benke

➢ EU member information for FFH / Habitats Directive Article 17.

➢ Identify and recommend conservation measures

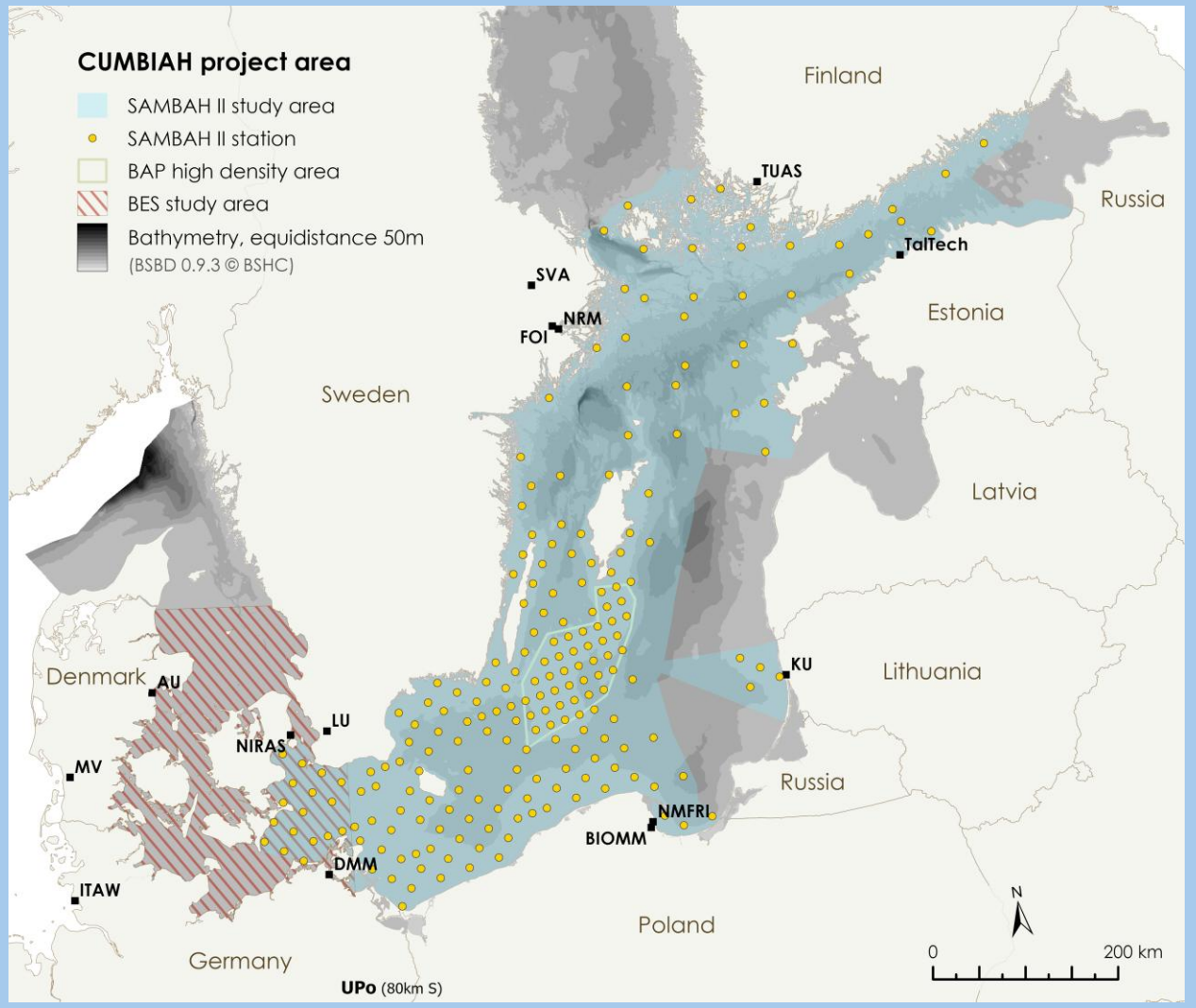
The CUMBIAH Consortium

- Ocean Museum Germany (DMM)
- Aarhus University, Denmark (AU)
- Institute for terrestrial and Aquatic Wildlife (ITAW), Germany
- Lund University, Sweden (LU)
- National Marine Fisheries Research Insitute, Poland (NMFRI)
- The Swedish Museum of Natural History (NRM)
- Tallin University of Technology, Estonia (TalTech)
- Turku University of applied Sciences, Finland (TUAS)
- Potsdam University , Germany Upo)
- BIOMM, Poland
- Klaipeda University, Lithuania (KU)
- Museum Vest, Denmark (MV)
- NIRAS, Denmark
- Swedish Veterinary Agency (SVA)

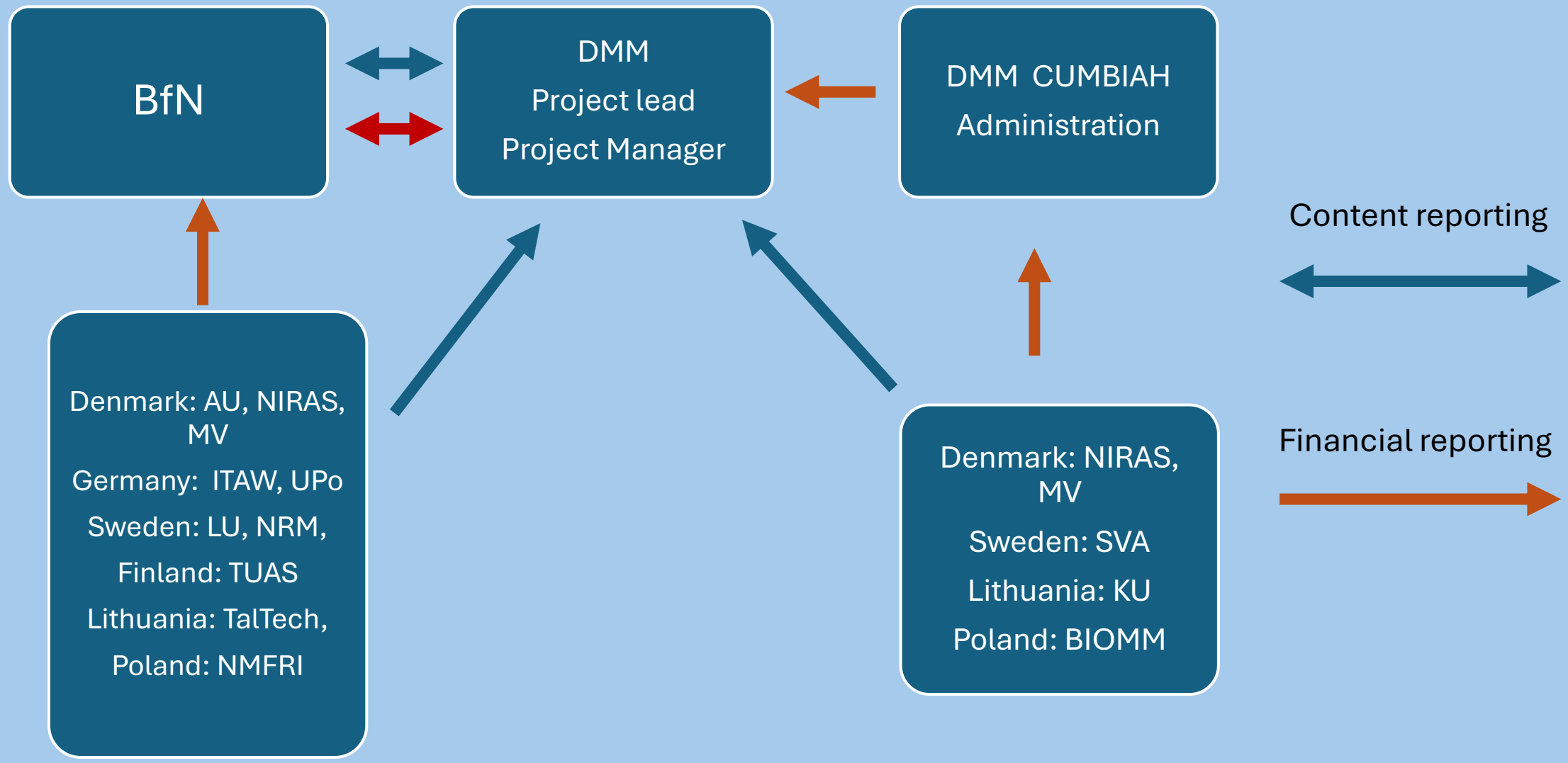
Collaborators

SMRU: PamGuard, CREEM, FOI

Project area and Partner locations



Organization



Working Packages

WP1: Population density and Abundance estimation	WP2: Analysis of Habitat quality	WP3: Lifehistory and estimation of abundance thresholds
Updated and precise estimates Map of harbour porpoise density Trendanalysis of the Baltic Proper population of the last deceade Trendanalysis of the Belt Sea population (1994 – 2022) impact of habitat quality	Prey availability (eDNA-Analysis and und Hydroacoustic) Collate data on fishing effort and produce indicative bycatch risk maps Provide noise exposure maps	Assess life history parameters provide hamonised methods for life history monitoring Provide estimatesf for population specific abundance thresholds

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WP4: Provide a basis for future management und population monitoring

Ranking key conservation actions to secure the survival of the Baltic Proper population and prevent further decline of the Belt Sea population and providing .

→ **coordinated and efficient application of conservation efforts, improved data access and monitoring**

Timeline

(subject to change according to project start)

2024 - 2025

Expected results:

Project design and submission (7th July 2025)

2026

Expe**cted project start 15th of January**

Expected results:

Cue rate

Calf detection evaluated

Trend analysis of the Belt Sea population

2027

Expected results:

Detection function

Monitoring data base

2028

Expected results

Monthly density estimates

Porpoise prey availability maps

Porpoise budget noise maps

2029

Expected results:

Monthly and seasonal maps of harbour porpoise distribution

Porpoise density models and predictions

Maps of bycatch risk

Porpoise reproduction health indicator

Genetic diversity and divergence

Abundance thresholds

Monitoring guidelines

2030

Expected results

Identification and ranking of key conservation actions

End of Project workshop

31st of December End of Project