This project is funded by the Horizon 2020 Framework Programme of the European Union under Grant Agreement no 710708.
Marine Mammals – Project partners
Importance of our project

• Decline of interest in STEM - we want to enhance scientific literacy, in our case ocean literacy / marine mammals literacy
• Marine mammals are great animals to arouse students’ interest
• Science is fun, interesting, challenging and engaging
• Career paths for young people in science, research and environmental protection

➢ Active participation, e.g. observations, experiments
➢ More out-of-school science learning
Our project

- Learning materials
- Teacher trainings
- Summer schools
- Symposia
- Podcast series
- Interactive poster
- Expedition boxes, skeleton
Marine Mammals – Project film
Learning materials

A3-Marine-mammals-Physiology-Worksheets-for-students-Primary-school-170728.pdf
A3-Marine-mammals-Physiology-Worksheets-for-students-Secondary-school-170728.pdf
A3-Marine-mammals-Physiology-170728.pptx.zip
B-Marine-mammals-Plastics-in-the-ocean-170728.pptx.zip
C-Marine-mammals-Chemical-pollution-170728.pdf
C-Marine-mammals-Chemical-pollution-170728.pptx.zip
D1-Marine-mammals-Acoustics-170728.pdf
D1-Marine-mammals-Acoustics-170728.pptx.zip
D2-Marine-mammals-Bubble-curtain-experiment-170728.pdf
Webpage

Teacher trainings, > 400 teachers from 14 countries
Summer schools, >250 school children in 5 countries
Symposia

> 1000 participants in 5 countries
Podcast series

Scientists and their daily work
Scientists & their research topics
Expert interviews on the project
3D Animations
Interactive poster
Expedition boxes
Harbour porpoise skeleton Somso
## Total impact of the project

<table>
<thead>
<tr>
<th>Event</th>
<th>Contacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>National teacher trainings</td>
<td>367</td>
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<tr>
<td>International Teacher trainings</td>
<td>42</td>
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<tr>
<td>Summer schools</td>
<td>278</td>
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<tr>
<td>Edu-actions</td>
<td>6500</td>
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<tr>
<td>Symposia</td>
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<td>Kiel School class visitors</td>
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<tr>
<td>Kids university</td>
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<td>ERN Germany</td>
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<tr>
<td>Kiel week</td>
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<tr>
<td>Blue school project, porpoise days</td>
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</tr>
<tr>
<td>Swedish teachers and educators</td>
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<tr>
<td>Swedish students</td>
<td>300</td>
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<tr>
<td>Swedish politicians</td>
<td>30</td>
</tr>
</tbody>
</table>

**Total direct contacts** >45,000

**Total indirect contacts** >135,000

**Digital/social media contacts** >100,000
Marine Mammals –
a Deep Dive into the World of Science

1. Preface
2. Introduction to marine mammals
3. Acoustics of marine mammals
4. Fisheries, whaling and seal culling
5. Plastics in the ocean
6. Chemical pollution and diseases of marine mammals
7. How to become a marine mammal scientist
Thank you for your attention!

Nine scientific and educational research institutes plus NGO’s from Germany, Poland, Sweden, Belgium and Denmark joined forces for this project:

**Project coordination:** Kieler Forschungswerkstatt (ozean:labor)

**Project partners:**
Kiel University (CAU); Foundation for the Development of the University of Gdansk (FRUG/Poland); Havets Hus in Lysekil (Sweden); Institute for Terrestrial and Aquatic Wildlife Research (ITAW) at the University of Veterinary Medicine Hanover Foundation (TiHo); Leibniz Institute for Science and Mathematics Education (IPN); Meeresmedien Hamburg; University of Liège (ULg/Belgium); Marine Biology Research Center, University of Southern Denmark (SDU/Denmark); WWF Poland

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