

Project *brief*

Thünen Institute of Fisheries Ecology

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DAIMON2: Decision aid for marine munitions – practical application

Ulrike Kammann¹, Katharina Straumer¹, Daniel Koske¹, Jörn Scharsack¹

- The management of dumped munitions in the Baltic Sea is challenging for politicians.
- Tools for risk assessment of dumped munition are available.
- During an online training for users and decision makers, methods for risk assessment of dumped munitions were demonstrated to the target group.

Background

Huge amounts of dumped munitions are lying on the seafloor of North Sea and Baltic Sea since decades – alone 1.6 mio tons in German waters. Intensive research on dumped munitions in the Baltic Sea has been carried out in the last years regarding effects of munitions on the environment and raising the public awareness for this topic – especially of the responsible national authorities.

Goals

DAIMON2 used this attention to the topic to share new knowledge and risk assessment methods with practitioners and decision makers from science and politics.

DAIMON Ecotox Toolbox

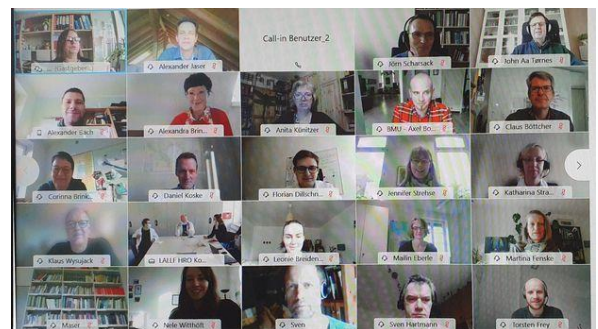
One of the new instruments for risk assessment in practice is the DAIMON Ecotox Toolbox, developed by the international consortium of the project DAIMON1. The Ecotox Toolbox comprises over 40 single methods (tools) as well as a concept how to select and apply them and how to interpret the results. With the toolbox, a risk assessment of dumped munition in Baltic Sea ecosystems can be achieved.

The components of the Ecotox Toolbox together with a short instruction can be downloaded for free via the link below.

Online training

The Thünen Institute hosted an online training on Nov. 3rd, 2020 with over 40 active participants from politics, authorities,

universities and NGOs in Germany. The concept and the practical application of the DAIMON Ecotox Toolbox was explained during the webinar using real examples from dumpsites and suspect areas. Selected methods (tools) were presented by experts and discussed together with the participants.



Screenshot of some participants of the DAIMON2 Webinar on 03.11.2020, hosted by Thünen Institute of Fisheries Ecology (© Thünen Institute).

Conclusion

DAIMON2 introduced and communicated a new instrument for risk assessment of dumped munition: The DAIMON Ecotox Toolbox. This is an important contribution to future management of dumped munitions in Germany including a possible remediation in future.

Further Information

Contact

¹ Thünen Institute of Fisheries Ecology
ulrike.kammann@thuenen.de
www.thuenen.de/en/fi

Logo



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Download Link & Project Homepage

<https://www.thuenen.de/de/fi/arbeitsbereiche/meeresumwelt/munition-im-meer/daimon-ecotox-toolbox/>
www.daimonproject.com

Publications

Koske D, Goldenstein N, Rosenberger T, Machulik U, Hanel R, Kammann U (2020). Mar Environ Res 160:104992
 Niemikoski H, Koske D, Kammann U, Lang T, Vanninen P (2020) J Hazard Mater 391:122221
 Straumer K, Kraugerud M, Feist SW, Ahvo A, Lehtonen K, Lastumäki A, Ljønes M, Aa Tørnes J, Lang T (2020). Mar Environ Res 161:105046.

Support



EU INTERREG Baltic Sea Region Programme 2014-2020