

December 2023 Updates

Coastal Pollution Toolbox Newsletter

Welcome to the 3rd *Coastal Pollution Toolbox* (CPT) - Updates! We provide you with the latest information of our objective to develop a toolbox that serves as a knowledge hub and information platform for decision-makers and scientists.

Our website is available via

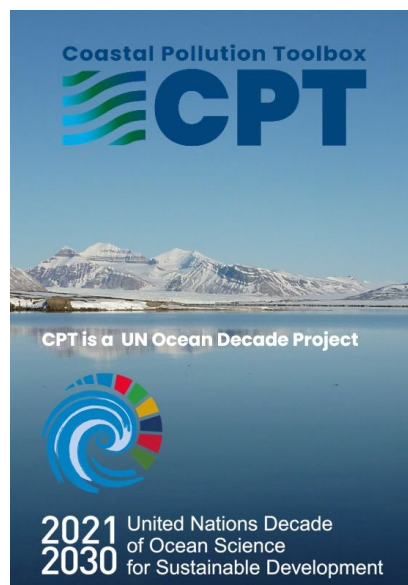
<https://www.coastalpollutiontoolbox.org>

Recent News

We are happy and proud to announce that the toolbox has been endorsed as a new **UN Ocean Decade Project** as part of the programme CoastPredict.

Please access the UN Ocean Decade Project website

<https://oceansdecade.org/actions/coastal-pollution-toolbox/>



Latest Tools

Synthesis Tools provide interested scientists and users with expert knowledge.

These tools address challenges of global environmental change as well as of societal concern. They are information-rich products based on consolidated data of different types and origin.

Recent *Synthesis Tools*:

Plastic Mythbusters

Please access via

<https://plasticmyths.coastalpollutiontoolbox.org>

Plastic Mythbusters is a quiz which fact checks popular myths and misconceptions concerning plastic pollution in the environment.



The screenshot shows the Plastic Mythbusters quiz interface. At the top left is the logo. The background is an underwater scene with plastic waste. A blue button on the left says "Click to start the quiz". A larger blue text box on the right contains the following text: "Plastic pollution is a global problem. Every year millions of tonnes of plastic waste leak into aquatic ecosystems, polluting lakes, rivers and seas. Plastic pollution can alter habitats and natural processes, reducing ecosystems' ability to adapt to climate change, directly affecting millions of people's livelihoods, food production capabilities and social well-being. Plastic Mythbusters is a quiz which fact-checks popular myths and misconceptions concerning plastic pollution in the environment. Plastic Mythbusters aims at catalysing wider discussions of popular plastics-related myths which regularly feature in media, public and policy discussions about the topic. Our aim is to increase the scientific evidence, enhance wider understanding on the topic and create awareness of the challenges in combating this complex problem, especially when scientific evidence is still emerging." At the bottom right is another blue button that says "About the project".



[Contact](#) | [Imprint](#) | [Data Protection](#) | [Accessibility](#)

The online resource is part of the Microplastic Compendium (<https://microplastic-compendium.eu>) and it coincides with the Third Session of the **Intergovernmental**

Negotiating Committee (INC-3) on Plastic Pollution in November 2023 in Nairobi, Kenya.

For detailed information on fact checks, context of the project, as well as a process description and an interactive timeline of the path towards an international agreement on plastic pollution please access via

<https://www.coastalpollutiontoolbox.org/112001/index.php.en>

<https://www.coastalpollutiontoolbox.org/112252/index.php.en>

The Plastic Mythbusters picked up by the media (selection)

Helmholtz-Zentrum Hereon:

https://www.hereon.de/innovation_transfer/communication_media/news/112329/index.php.en

University of Strathclyde:

<https://www.strath.ac.uk/whystrathclyde/news/2023/onlinequizaimstobustmythsaroundglobalplasticpollution/>

ARD Tagesschau German television:

<https://www.tagesschau.de/multimedia/video/video-1272194.html>

Wuppertal Institut:

<https://wupperinst.org/en/a/wi/a/s/ad/8359>

With a selection of **Science Tools** we provide expert users with information on new methods, approaches or indicators for baseline assessments or for the re-evaluation of complex environmental problems in the land-to-sea continuum.

Selection of *Science Tools*:

- A tool for more reliable estimates of shipping on air pollution with PM2.5 and inorganic particle species in coastal areas
- Machine learning in marine ecology: an overview of techniques and applications
- Analysing potential metal emissions from offshore wind farms: An approach to support sustainable energy production in the marine environment

- An approach for an improved understanding of nutrient and carbon dynamics along the river–estuary–ocean continuum including extreme events
- Supporting standardisation of microplastics: A tool to monitor small microplastics using laser microdissection pressure catapulting

Please access all available *Science Tools* via

<https://www.coastalpollutiontoolbox.org/090472/index.php.en>

Further updates

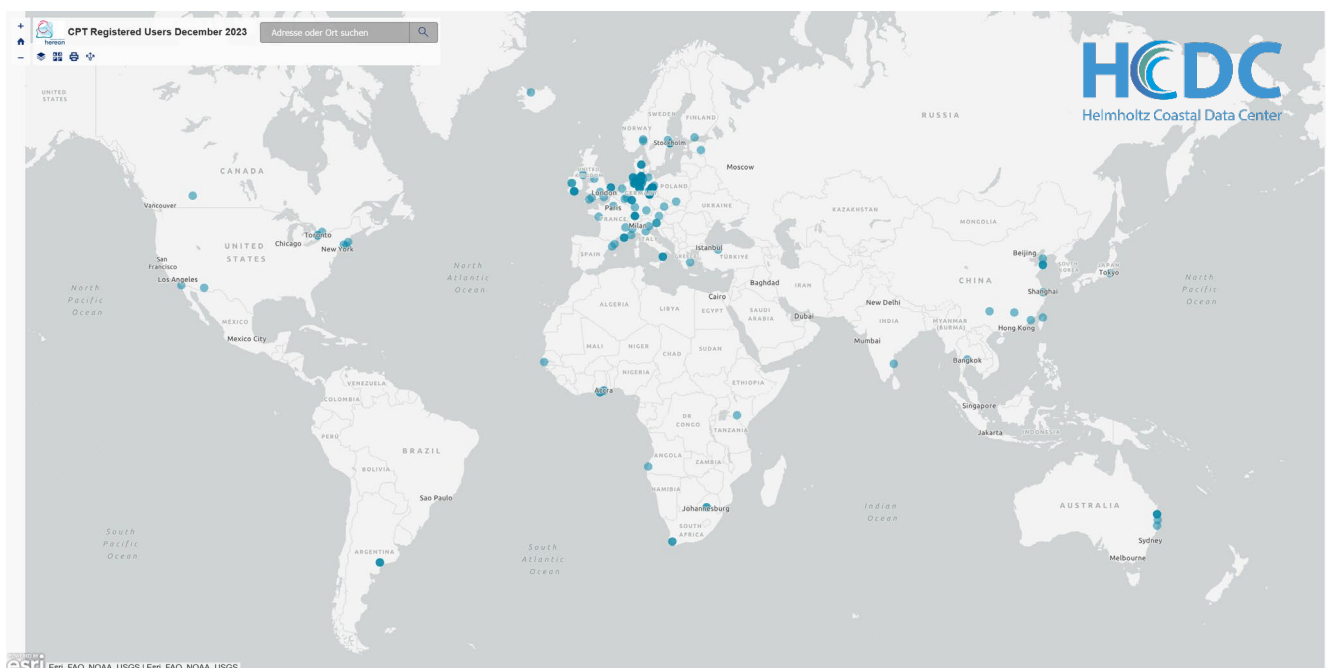
Network and Partners

By December 2023 over 161 scientists, planners, industry partners and media representatives interested in pollution from 34 countries have stated interest to be informed about updates.

Have a look at the interactive map on the homepage and by using this link:

<https://arcg.is/1DabXH1>

The map is provided by the [Helmholtz Coastal Data Center](#)



An active involvement on the business network LinkedIn finds continuously growing interest of more than 860 LinkedIn users following updates on the project.

Please have a look at our member's page and be invited to connect and share posts of us:

<https://www.linkedin.com/company/coastal-pollution-toolbox/>

What is next?

An active involvement and exchange within the wide network of UN Ocean Decade Actions and the upcoming '2024 Ocean Decade Conference' from 10 to 12 April 2024 in Barcelona, Spain...

More *Science Tools* developed from peer-reviewed research...

Further reflections on the co-design framework for the co-development of tools...

Contacts

Ralf Ebinghaus, Marcus Lange

Helmholtz-Zentrum Hereon, Institute of Coastal Environmental Chemistry

coastalpollutiontoolbox@hereon.de

The *Coastal Pollution Toolbox* is an endorsed UN Ocean Decade Action and Project under the CoastPredict programme and affiliated project of Future Earth Coasts under the international Future Earth initiative Research. Innovation. Sustainability.



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

futureearth coasts