



MERcury CLean-Up system based on Bioremediation by marine bacteria.

*Marine microorganisms hold the genetic potential for
Hg detoxification.*

*MER-CLUB projects aims to unveil and exploit it for
the bioremediation of Hg-contaminated marine
sediments.*



MER-CLUB

Mercury clean-up system
based on bioremediation
by marine bacteria

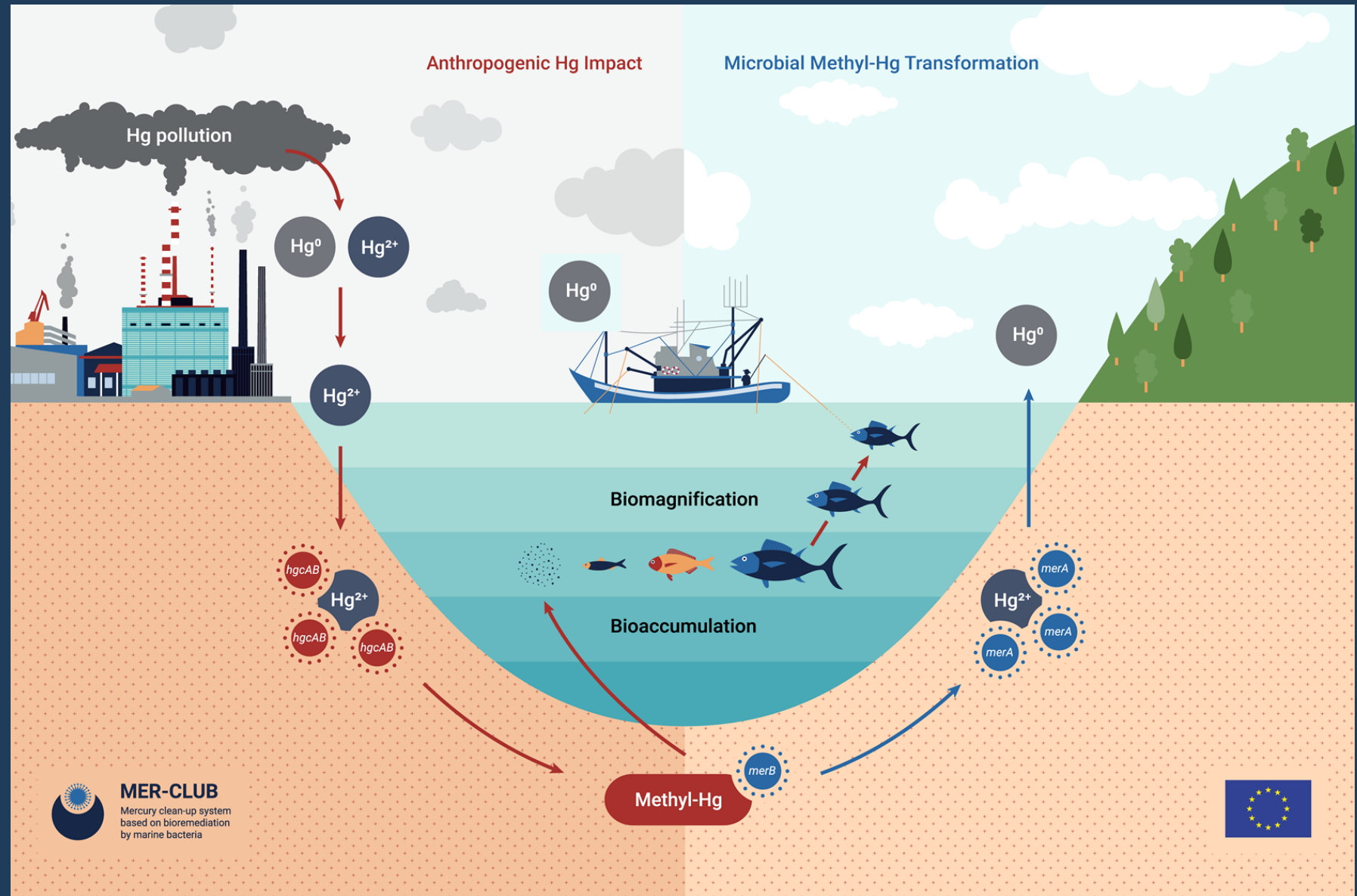
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Co-funded by the European
Maritime and Fisheries Fund

1. MER-CLUB

Designed visual scheme for highlighting the key processes involved in mercury cycle such as bioaccumulation and biomagnification along the trophic chain.





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1st Annual Meeting 30th September 2020

Work in Progress



Scope & Organization



MER-CLUB
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1. WP 1: Coordination of the Project.
2. WP 2: Omics-based identification of marine genes and microorganisms involved in Hg detoxification.
1. WP 3: Isolation and screening of a marine culture collection for potential Hg detoxifiers.
 1. Bacterial isolation and metabarcoding in Hg-impacted marine sediments
 2. Optimization of cell sorting from sediments
2. WP 4: From Batch cultures to bioreactors.
3. WP 5: From Microcosms to Pilot study.
4. WP 6: Dissemination of the Results

COORDINATOR



PARTNERS



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