

MONITOOL PROJECT

New tools for monitoring the chemical status in transitional and coastal waters under the Water Framework Directive

November 2020

The **MONITOOL project** aims to provide a robust database of dissolved and labile metal concentrations in transitional and coastal waters for **adapting the existing water Environmental Quality Standards (EQS; 0.45 µm filtered) for Diffusive Gradients in Thin-films (DGT) passive sampling devices (EQS-DGT)** in order to improve and facilitate the chemical status assessment of waters under the **Water Framework Directive (WFD)**.

Objective	Work Packages	Who is involved?	Project Finance
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MONITOOL NEWS



IFREMER designs and develops an additional experiment at the laboratory

MONITOOL results point out that, even in suspected highly contaminated sites, concentrations of metals in marine water are far below the AA-EQS_{marine water}. In an attempt to solve this and other matters, IFREMER proposed to carry on an additional experiment to get more data in laboratory conditions.

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AZTI presents MONITOOL results at different scientific events during 2020

Researchers from AZTI-Tecnalia have performed a significant dissemination work of the knowledge gained along MONITOOL lifetime at four different scientific events during last months.

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ITC carries out a wastewater sampling campaign following the MONITOOL standardized methods

In July 2020, ITC carried out a study with the objective of comparing the metal concentrations obtained with spot and passive sampling in five wastewater coastal discharges in Gran Canaria Island. Thereby, following the MONITOOL standardized methods, six different wastewater effluents were discrete sampled and simultaneously, DGTs were deployed directly in such effluents.

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This project (No. contract EAPA_565/2016) is co-financed by the European Regional Development Fund through the Interreg Atlantic Area Programme (2014-2020).

[Atlantic Area Website](#)



Interview with Professor Hao Zhang, Lancaster University, member of the MONITOOL scientific advisory board

Professor Hao Zhang, Lancaster University (UK), together with Bill Davison, are the parents of the DGTs, whose research was published in the high standing journal Nature, in 1994. Her vast knowledge and experience with DGTs and her high interest in the Project made her an essential member of the MONITOOL scientific advisory board.

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UPCOMING EVENTS

7th Atlantic Stakeholders Platform Conference (ASPC2020)

ONLINE

19-20 NOV 2020

1st International Symposium on Human Health and the Ocean in a changing world

MONACO

03 DEC 2020

9th International Workshop on Marine Technology

BARCELONA

17-19 JUNE 2021

SCIENTIFIC DISSEMINATION

You can consult all the thesis, chapters in books, presentations, poster, conferences and articles made during the project lifetime through [this link](#)

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