



NEXT STEPS 2:

Future funding strategies

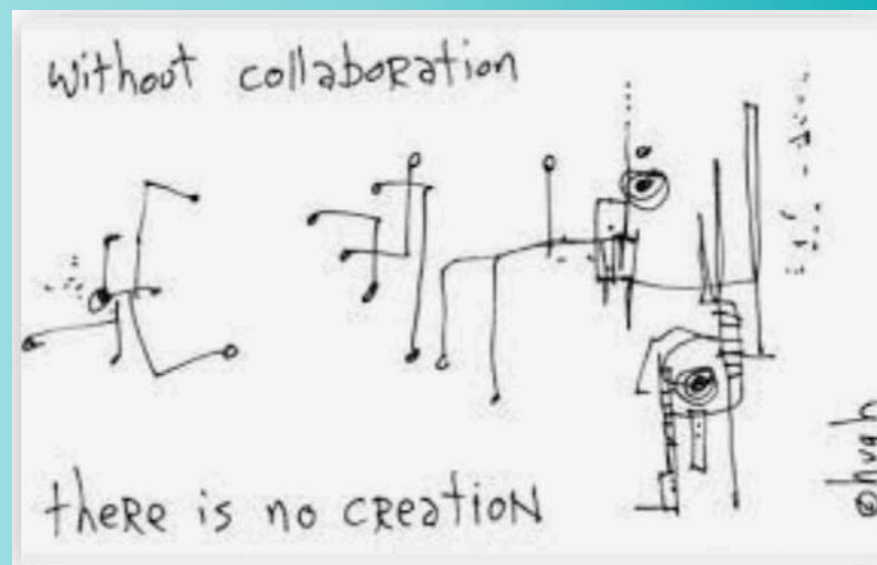
Final Stakeholder Conference, May 2021

The Concept

MONITOOL will become an overarching umbrella network for DGT researchers, bringing together all interested parties to explore potential further research areas.

Potential areas include:

- Pathway for operationalisation
- PS for organic compounds
- PS for REE and PGEs
- PS for environmental assessment (chemical status) of port waters
- PS versus biomonitoring
 - COST Action “Metal Marine”



Pathway for acceptance of PS into compliance monitoring strategies

Concept/objectives

To develop a pathway to identify what parameters are required to allow for PS to be incorporated into compliance monitoring strategies, and then for researchers to identify what gaps exist and how to fill them.

- 1) Technical guidance
- 2) QA and proficiency studies
- 3) demonstrated equivalency to existing methods (like shown for some metals in MONITOOL)

What are the steps we need to complete in order for the EU/legislators to be able to consider PS within compliance monitoring strategies

PS for organic compounds

Concept/objectives

Same strategy as Monitool

-To use **common PS** in different regions in large European consortium:

o-DGT

- **Priority substances with EQS but very difficult to detect.**
- Compounds of emergent concern (Watch List).
- Perfluorated comp. (PFOS) are very hard to analyze

PS for REE and PGEs

Concept/objectives

Same strategy than MONITOOL

- To use **common device (DGT)** in different regions in large European consortium
- REE and PGEs in transitional and coastal waters

PS versus biomonitoring

Concept/objectives

Similar strategy than in Monitool

- to use DGT in different regions in large European consortium
- To replace mussels by DGTs
- To adapt the EQS in biota to DGTs?. There is EQS in biota for Hg

PS for environmental assessment (chemical status) of port waters

Concept/objectives

Similar strategy to Monitool:

- To use DGTs in different harbours in large European consortium:
- to standarize easy and more cost effective tool.
- to evaluate the chemical status of heavily modified waters?
- do we need to adapt EQS for heavily modified waters?
- To apply DGTs to evaluate the magnitude of a spill.

COST Action: MetalMarine -developing environmental quality standards for metals determination in monitoring programmes

Development of guidelines/standard operating procedures (SOPs) for best practice in use and interpretation of DGTs; and to encourage the use of standard protocols to facilitate the comparison of results from different studies.

Preparation for a coordinated transnational investigation which seeks to determine the relationship between bioavailable metal concentration derived from ecotoxicological studies and labile metal concentration determined using DGTs, making use of technical and theoretical approaches developed in the COST Action.

Input to policymakers and regulation bodies for metal analysis as part of WFD.

Dissemination of research results to the general public.

COST Action: MetalMarine -developing environmental quality standards for metals determination in monitoring programmes

Last score 46/50

Next submission opportunity – September 2021

Does anyone want to lead the re-submission?

Next steps:

If you would like to be involved, please email

monitool@monitoolproject.eu

And indicate "Future funding opportunities" in the subject line, and the specific areas that you are interested in progressing

Lead Partner



Partners



Associated Partners

