Trends and advancements in the sampling and preservation of samples for the identification of contaminants of emerging concern

When: March 2nd and 3rd 2016
Where: CIENS Forum, Gaustadalléen 21, 0349 Oslo, Norway

Hosted by Norwegian Institute for Water Research (NIVA), www.niva.no

The NORMAN network is an independent and competent platform in the field of emerging substances. NORMAN facilitates the exchange of information, debate and research collaborations at a global level with official recognition from institutional agencies of the EU.

The workshop on the "Trends and advancements in the sampling and preservation of samples for the identification of contaminants of emerging concern" will discuss the challenges and pitfalls of working with emerging contaminants. The workshop will tackle three specific themes:

- How do we effectively sample for emerging compounds?
- How do we conveniently store samples for future emerging compounds?
- What are the future trends for the sampling analysis of emerging compounds?

The main objectives of the workshop are to discuss and evaluate the effectiveness of the approaches currently in place for sampling, banking and preservation of samples for emerging contaminant identification, and to develop a framework for identifying the next generation of emerging compounds.

Programme outline

Day 1

12:00  Registration and lunch
13:00  Welcome
13:10  Opening Center of Innovation at NIVA
13:45  Introduction

13:45  Keynote
Best practices and their challenges when banking samples from remote regions of the Pacific. Rebecca S. Pugh (NIST, USA)

14:30  Break/Coffee

14:50  Session 1: How do we conveniently store samples with emerging compounds?
14:50  What are the challenges for environmental specimen banks?
Jan Koschorreck (Federal Environmental Agency, Germany)
15:10  Perspectives of repositories for environmental mass spectral and metadata for non-target and retrospective analysis. Tobias Schulze (Centre for Environmental Research [UFZ], Germany)
15:30  Specimen banking of passive samplers for aquatic environments: purpose, possibilities and procedures. Ian Allan (NIVA, Norway)
Day 2

09:00 Session 2: Future trends for the sampling and analysis of emerging compounds
09:00 Microplastics from a European perspective (Clean Sea).
Heather Leslie (IVM, The Netherlands)
09:20 Autonomous sensor platform development for organic environmental contaminants.
Fiona Regan (DCU, IE)
09:40 Sampling Design - From a statistical point of view.
Dag Øystein Hjermann (NIVA, Norway)
10:00 The Kon-Tiki2 expedition: Documenting climate change, litter and pollution.
Cecilie Mauritzen (Chief Scientific Officer, Kon-Tiki2)
10:20 Break/Coffee
10:45 Hot trends session [10+5 mins]: 6 x 10+5 min presentations on the next generation of sampling and preserving for the identification of emerging compounds
12:15 Panel discussion: Next generation of sampling for emerging compounds
12:40 Workshop ends
13:00 – 14:00 Lunch and goodbye