



EAF-Nansen Programme

Workshop on preparing a baseline report on the physical and chemical properties (organic pollutants and heavy metals) of the sediment samples collected as part of Leg 1.3 in northern Mozambique.

Maputo, 5-7 December 2018

Background

In connection with the post-survey meeting held in Maputo on 1-3 August 2018, to review the data and samples collected in connection with the environmental survey in Northern Mozambique in April 2018, a number of follow-up projects/activities were identified. As part of these, a project was proposed with the following title:

“Determination of physical and chemical characteristics of sediment, water and fish samples from the northern coastal area of Mozambique collected in the EAF Nansen Programme Leg 1.3”

This project is supposed to contribute to setting the baseline for an environmental monitoring program in relation to the oil and gas industry in the northern part of Mozambique.

As part of the project, a first activity was identified to analyse the data that have resulted from the processing of the samples at IMR. The following analyses have been carried out:

- Sediment characteristics (delivered by IVL, Sweden)
 - o Total organic carbon contents (TOC)
 - o Grain size
- Organic contaminants (IMR)
 - o Total hydrocarbon contents (THC)
 - o Polycyclic aromatic hydrocarbons (PAH)
- Inorganic contaminants (IVL)
 - o Heavy metals

This workshop aims at preparing a baseline report on the physical and chemical properties (organic pollutants and heavy metals) of the sediment samples collected as part of **Nansen cruise 2018403** Leg 1.3 in northern Mozambique.

Specific objectives:

- Review the results of the analysis of hydrocarbons
- Review the results of the analysis of sediment characteristics and heavy metals
- Discuss the contents of a baseline report
- Write relevant sections of the report
- Identify responsibilities for finalisation of the report

List of the participants

Participant	Institution	Contact e-mail
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Agenda

Day 1		
Time	Agenda item	Responsible
09.00-09.30	Welcome and adoption of the agenda. Introduction of the participants	J.O.Krakstad, H.F.Muiambo
09.30-10.00	Recap of the survey in Mozambique	B.S.Malauene (cruise leader)
10.00-10.45	Presentation of Chemistry reports made for the MAREANO program	S.Boitsov
10.45-11.00	Coffee break	
11.00-11.30	Presentation of the results of chemical analyses on current samples from Northern Mozambique (lab reports)	S. Boitsov
11.30-12.00	Data distribution to the participants	S. Boitsov
12.00-13.00	<i>Lunch</i>	
13.00-13.30	Discussion of proposed work on the report. Agreeing on plan of work (and distribution of responsibilities?)	Plenum (Lead: J.O.Krakstad)
13.30-14.30	Work on the first two sections of the report (introduction, methods)	Plenum (Lead: J.O.Krakstad)
14.30-14.45	<i>Coffee break</i>	
14.45-16.00	Work on the first two sections of the report continued	Plenum (Lead: J.O.Krakstad)
Day 2		
9.00-10.15	Work on section III (results and discussion): Metals and sediment characteristics, including maps	Plenum (Lead: H.F.Muiambo)
10.15-10.30	<i>Coffee break</i>	
10.30-12.00	Work on section III: Metals and sediment characteristics continued	Plenum (Lead: H.F.Muiambo)
12.00-13.00	<i>Lunch</i>	
13.00-16.00	Work on section III: Hydrocarbons, including maps	Plenum (Lead: H.F.Muiambo/ J.O.Krakstad)
Day 3		
9.00-10.30	Summarizing achieved progress and agreeing on follow-up work and time scale for finalization of the report	Plenum (Lead: J.O.Krakstad)
10.30-10.45	<i>Coffee break</i>	

10.45-11.45	Discussing plans for other work	Plenum (Lead: H.F.Muiambo)
11.45-12.00	Closure of the meeting	H.F.Muiambo, J.O.Krakstad
12.00-13.00	<i>Lunch</i>	
14.00-16.00	A visit to the lab at UEM	