



**Regional Training Course (RTC)
on Applying Radiation Technologies to Assess Sediment Transport
for the Management of Coastal Infrastructures
from October 29 until November 19, 2018 in Larache Port, Morocco**

In the frame of the regional project RAF7018 with the title « Applying Radiation Technologies to Assess Sediment Transport for the Management of Coastal Infrastructures » the National Center for Energy, Sciences and Nuclear Techniques (CNESTEN), in collaboration with the International Atomic Energy Agency (IAEA) and the National Ports Agency (ANP) and ISTR A, organized, from October 29 to November 19, 2018 at the port of Larache, a practical training course entitled "Use of radiation technology to assess fine sediment deposits in port basins and navigation channels".

The objective of this course was to train participants through practical work using a turbidity gauge in order to study the state of siltation of the basin of the port of Larache.

14 participants representing Egypt, Sudan, Gabon, Algeria, Cameroon, Nigeria, Ghana, Myanmar and Panama will benefit from this course. The Moroccan participation is represented by 9 candidates from CNESTEN, ANP, DRPE as well as the Moroccan company HydroGeo.

The topics covered in this training:

- Radioisotope sealed source techniques for measuring suspended sediment
- Principle for monitoring density and concentration of sediments and in coastal environments
- Laboratory work for gauge calibration XDP30
- Mapping method
- Real study using the new XDP30 gauge in the Larache Port



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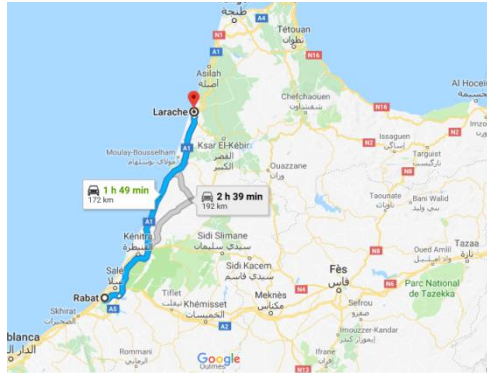


Figure 1 Location of the city of Larache to the capital Rabat



Figure 2 Group Photo



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Figure 3 At Larache Port



Figure 4 During the lecture – calibration of gauge



Figure 5 Practical training

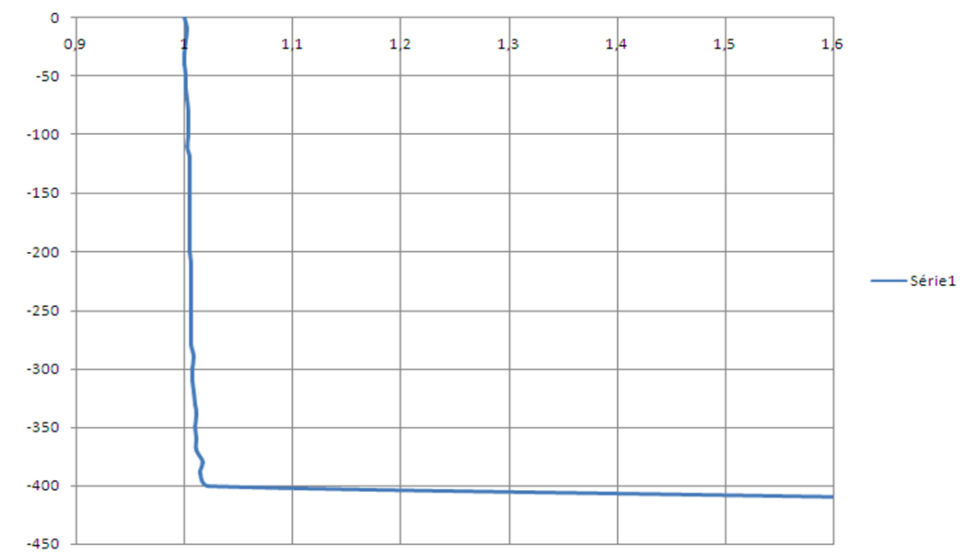


Figure 6 Example of results : measured density vs depth