

"Capacity Building and Strengthening Institutional Arrangement"

Analysis and Sampling Of Water And Water Pollution

Working group n°. 3 "Define a system for coastal zones monitoring network"

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Objectives:

Given a map of Egyptian coast, you have to define a system for coastal monitoring network in order to characterize the short and long term meteo marine conditions.



Activities:

meteorological measurements

- •After the observation and characterization of the site:
- •Describe which physical parameters measurement you are interested in
- •Describe the instruments you need for climate characterization
- •Define where and why instruments have to be placed to correctly provide accurate measurements
- •Define how many meteorological stations are necessary for your aim
- •Describe the technical features of the measurement stations: sampling time, resolution, accuracy and operational properties



Activities:

wave measurements

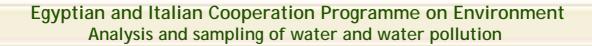
- •Describe which marine physical parameters measurement you are interested in
- •Describe the instruments you need for sea waves measurements
- •llustrate where you have to deploy the buoys and the needed depth
- •Define how many buoys you need for waves conditions monitoring
- •Describe the technical features of the buoys and of the data recording and transmission apparatus: sampling time, recording time, accuracy and operational properties



Activities:

tide measurements

- •Describe the physical parameters you have to measure in order to characterize sea level conditions
- •Describe the instruments required for your aim
- •Indicate the likely position of the sea level stations
- •Describe the technical features of the sea level stations: sampling time, accuracy and operational properties





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