Geoarchaeology and geomorphology of pharaonic harbors of the Red sea and Giza (Egypt)

“Géoarchéologie et géomorphologie des ports pharaoniques de Mer Rouge et de Gizzeh (Egypte) »

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1- Summary

The project objective is the study of palaeo-environmental changes that have affected the development and spatial organization of Pharaonic harbors of the Red Sea (Gawasis harbor) and Giza harbor in Egypt for about 5000 years, in a historical and geomorphological context. In this study we used a multidisciplinary approach where the field techniques and laboratory tools are linked to the geosciences and biological sciences for make recommendations on protection of the archaeological heritage.

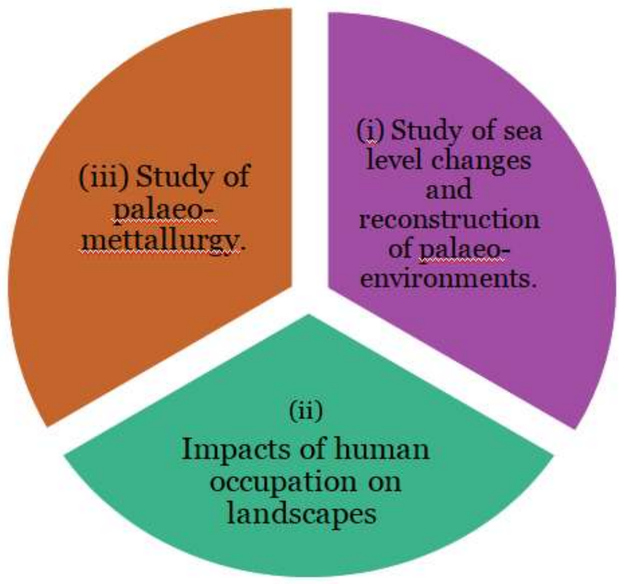
Sommaire

L’objectif du projet est l’étude des changements paléo-environnementaux ayant affecté le développement et l’organisation spatiale des ports pharaoniques de la mer Rouge (ports de Gawasis) et de Gizeh en Égypte depuis environ 5000 ans, dans un contexte historique et géomorphologique. Dans cette étude, nous avons utilisé une approche multidisciplinaire où les techniques de terrain et les outils de laboratoire sont liés aux géosciences et aux sciences biologiques pour formuler des recommandations sur la protection du patrimoine archéologique.

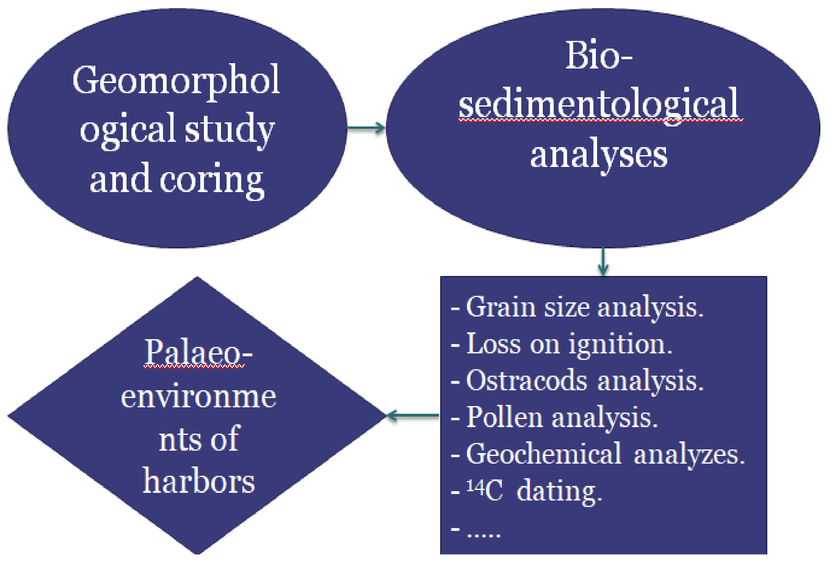
Egypt Location

Study area

2- Objectives

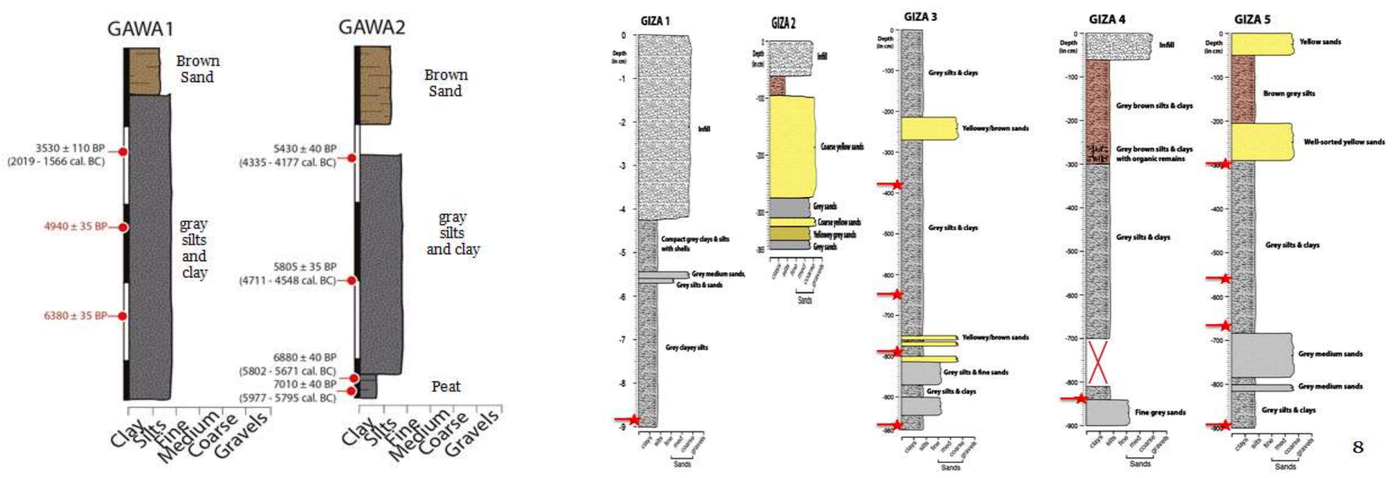


3- Materials and methods



4- Field work

Two field studies have been conducted to collect samples. The first mission was in November 2018 for Gawasis harbor in the Red Sea and the number of 2 cores was drilled. The second mission was in May 2019 for Giza harbor and the number of five cores of sediments was drilled.



5- Expected results

(I) Produce local sea-level curves in the red sea.

(II) Produce maps for evaluate of the floodplain marshlands and the land use in the past in Giza and red sea.

(III) Reconstruct palaeo-environments

(IV) protection of the coastal and fluvial archaeological heritage

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Further information

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