

## **Project of strategic interest NEXTDATA**

## Deliverable D2.4.C (December 2018)

## Storage of marine sedimentary cores carried out in the Mediterranean Sea during NextData Project.

**WP Coordinator: Luciana Ferraro** CNR - ISMAR, Napoli

Ferraro Luciana <sup>1</sup>, Alberico Ines<sup>1</sup>, Lirer Fabrizio<sup>1</sup>, Bonomo Sergio<sup>1,2</sup>, Anzalone Erlisiana<sup>1</sup>, Vallefuoco Mattia<sup>1</sup>, Insinga Donatella Domenica<sup>1</sup>, Petrosino Paola<sup>3</sup>, Cascella Antonio<sup>4</sup>

The research activities related to Deliverable D2.4C of the project is dedicated to the storage of marine sediment cores acquired during oceanographic cruises in the continental platform from Adriatic, Sicily Channel and Tyrrhenian seas. The sites were recovered by IAMC - CNR (Fig. 1) during the cruises: "NextData2013" onboard the R/V Urania (12-19 September 2013, Strait of Sicily - Gulf of Taranto), "NextData2014" onboard the R/V Urania (9-21 July 2014, Sicily Channel and Adriatic Sea) and "NextData2016" onboard the R/V Minerval (11-29 June 2016, Ionian Sea, Strait of Sicily, Tyrrhenian Sea and Ligurian Sea).

<sup>&</sup>lt;sup>1</sup>Istituto di Scienze Marine (ISMAR) - Consiglio Nazionale delle Ricerche, Calata Porta di Massa, Interno Porto di Napoli, 80133, Napoli, Italia

<sup>&</sup>lt;sup>2</sup>Istituto di Biomedicina ed Immunologia Molecolare "Alberto Monroy" (IBIM), Consiglio Nazionale delle Ricerche, Via Ugo La Malfa 153, 90146 Palermo, Italia

<sup>&</sup>lt;sup>3</sup>Università degli Studi di Napoli Federico II, Napoli, Italia

<sup>&</sup>lt;sup>4</sup>Istituto Nazionale di Geofisica e Vulcanologia (INGV), Via della Faggiola 32, 56126, Pisa, Italia

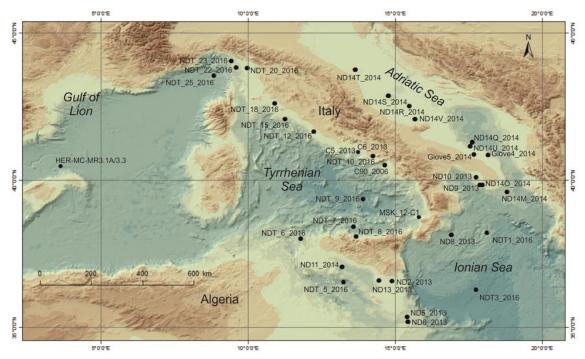


Figure 1 - Location map of the marine sediment cores acquired during NextData project. Oceanographic cruises NEXTDATA2013, 2014 and 2016.

All the acquired marine sediment cores were physically stored at the ISMAR - CNR *Core Repository* in Naples. The Core Repository contains all samples collected during 2013, 2014 and 2016 in the Mediterranean Sea.

The refrigerated storage room is 60 square meters large with temperature (+4°C) and humidity constant, and equipped with a temperature control alarm system. Connected with the repository room there is an area for sediment and rock samples dry storage.



Entry point to the refrigerated storage room.



Marine sediment cores labeled according to Expedition and stored on special shelves in the refrigerated storage room.