



## **Project of strategic interest NEXTDATA**

### **Deliverable D2.4.3: Database implementation and transmission of data to the General Portal**

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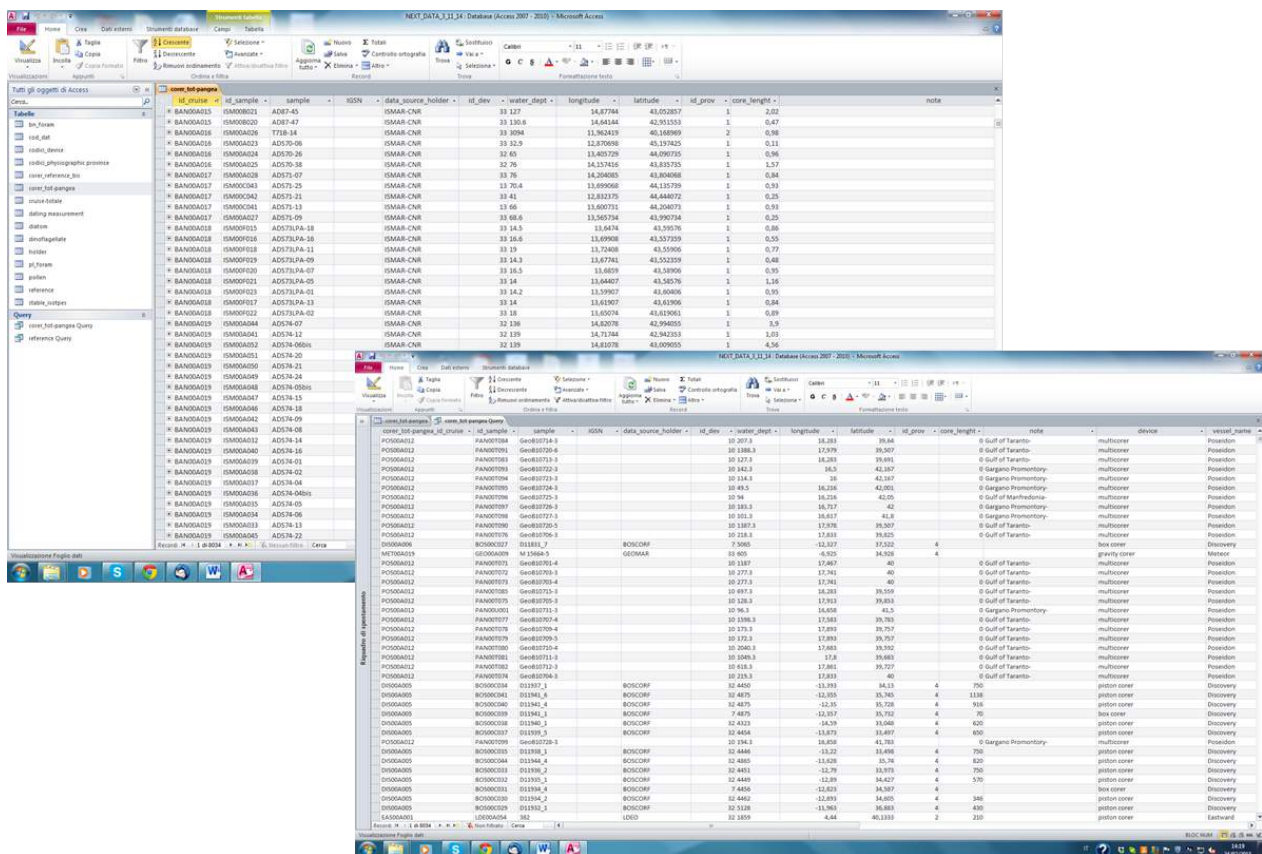
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The conceptual scheme used for recording both the metadata and data processed during the first project year was partly modified to allow for the inclusion of new climatic proxies. In particular, both metadata and data can be exported from the database as ODBC database, dBASE, Excel files and text files of marine sedimentary cores to be added to the GeoNetwork platform and WDB.

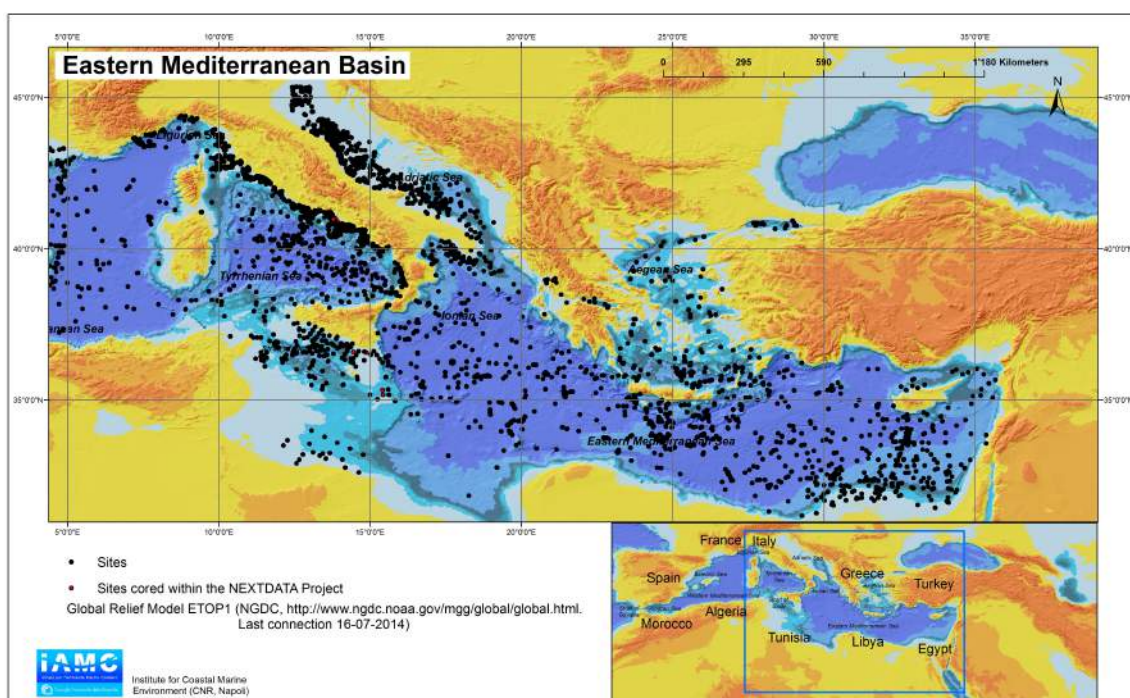
- 7108 cores from the Mediterranean Sea.
- 926 cores from North Atlantic (Strait of Gibraltar).



2







**Fig. 4. Marine sedimentary cores acquired for Mediterranean Sea Eastern Basin as reported in the SHARE GeoNetwork platform.**

The climatic data archived in WDB during the third project year are related to the marine sedimentary cores collected by IAMC - CNR during the oceanographic cruises “NEXTDATA-2013” and “NEXTDATA-2014” as follows:

#### OCEANOGRAPHIC CRUISE NEXTDATA-2013:

<i>CORE</i>	<i>CLIMATIC PROXY</i>
SW104_C5_02	pollens
C6	planktonic foraminifera
C6_SW104	magnetic susceptibility
SW104_C13	magnetic susceptibility

#### OCEANOGRAPHIC CRUISE NEXTDATA-2014:

<i>CORE</i>	<i>CLIMATIC PROXY</i>
ND2_1	magnetic susceptibility
ND5_bis	magnetic susceptibility
ND6	magnetic susceptibility
ND9	magnetic susceptibility
ND10	magnetic susceptibility
ND11	magnetic susceptibility
ND13	magnetic susceptibility

During 2014, detailed information related to the tephra layers and AMS 14C dating were also recovered from the literature for the implementation of database, because these proxies have

a key role to evaluate the synchrony/diachrony of the climatic changes in the Mediterranean and represent a constraint for age modelling of marine sequences.

In this framework, the WDBPaleo database represents a potentially useful tool and an invitation for the scientific community to share data, facilitating their comparison and integration in common repositories.