NODC Report: China

1. Name of Data Center:
   National Marine Data and Information Service (NMDIS)

2. National IODE Co-ordinator
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3. Data Center URL:
   http://www.coi.gov.cn

4. IODE Data Center Designation Date:
   1982

5. Data Center Description:
   National Marine Data and Information Service (NMDIS) under the State Oceanic Administration, which was set up in 1958, is a national comprehensive sector for research on marine information technologies and service for public benefits. The NMDIS is composed of three operational systems, i.e. China National Oceanographic Data Center, the Institute of Marine Scientific and Technological Information (IMSTI), and the National Marine Archives.

   NMDIS acts also as the national partner participating in the Aquatic Science and Fisheries Information System (ASFIS) of the United Nations and the National Input Center in China, Documents Depository Center of UNESCO/IOC. The World Data Center D, Oceanography is also managed by the NMDIS.

6. Brief History
   The Institute of Marine Scientific and Technological Information of the State Oceanic Administration was founded in 1965. In 1978, the Institute acted as a National Oceanographic Data Center participated in the Seventh Session of the IOC Committee on International Oceanographic Data Exchange. Since then, it committed itself to conduct international marine data exchange.

   Approved by the State Council, China National Oceanographic Data Center was
officially established and co-located with IMSTI. In October 1989, the IMSTI renamed National Marine Data and Information Service, covering the functions of IMSTI, CNODC and National Marine Archives.

7. **Roles and Responsibilities of the Data Center:**
   The NMDIS operates as the National Oceanographic Data Center for China within the guidelines established by UNESCO’s Intergovernmental Oceanographic Commission. In performing this role NMDIS participates in various national and international oceanographic data collection, exchange and management programs. The main functions of NMDIS are the followings:
   - Organize and coordinate the national work on marine data, scientific and technological information and marine archives;
   - Take charge of the collection, processing, storage and service of marine data and information;
   - Establish various kinds of oceanographic databases, managing the National Marine Information System;
   - Provide service with different kinds of data and information products through China Oceanic Information Network [http://www.coi.gov.cn](http://www.coi.gov.cn) or other means;
   - Conducting tide and tidal current analysis and prediction, publishing Tide Tables;
   - Operating and management of World Data Center-D, Oceanography, maintaining close relations with WDC-A and WDC-B for Oceanography.

8. **Data Center Projects and Activities during the Intersectional Period:**
   - a) Establishing the National Marine Information System
     This system, taking NMDIS as the core and using the national public data communication network, is a comprehensive marine information network linking up with State Oceanic Administration, each regional marine information center and the marine management sectors of the coastal provinces, municipalities and autonomous regions. The system can be accessed through Internet and joined the international marine information exchange system.
   - b) The China Oceanic Information Network hereinafter referred to as COInet for short) has been formally established in NMDIS. Taking the provision of marine information query, service and exchange and support for the state and local governments marine institutions engaged in integrated marine management and marine scientific researches as its aims, the COInet is a field in which to give publicity to marine academic exchanges, an information link between the marine institutions and users both at home and abroad and a physical support for realizing marine data and information sharing in the marine community of China.
   - c) Data Rescue project between China and USA
   - d) Participating the China-Japan Cooperative Study of Subtropical Circulation System, conducting data processing and management.
   - e) Holding International meetings:
     The Fourth session of the Coastal GOOS Committee was held at NMDIS, Tianjin from Nov.2 C 4, 1999.
The Third Session of the IOC Editorial Board for the International Bathymetric Chart for the Western Pacific at NMDIS, Tianjin, from Sep.25 to 30, 2000.

9. Data Center Products and Services Developed and /or Made Available during the Intersessional Period:
   http://www.coi.gov.cn

10. Comments:

(End of Documents)