



**Figure 1 – Updated MedGLOSS pilot network sea level stations and data centers**

sea-level stations in a number of countries. In view of the relatively modest funding needs for upgrading of equipment, maintenance and operation of the monitoring stations and historic data rescue, the national research financing bodies should be contacted by IOC and CIESM to assist their national organizations participating in MedGLOSS in the long term performance of these tasks, for the benefit of the national and international communities. However, additional funding would be sought via international research programs and from the MedGLOSS programme sponsors, IOC and CIESM.

**g.** MedGLOSS pilot network will operate from one focal point, agreed to be at the Israel Oceanographic & Limnological Research, Haifa, which will gather the sea-level data from the MedGLOSS sea-level stations, quality verify, absorb in a basin wide data base and disseminate the data to the participating organizations and to other international organizations and programmes such as the PSMSL, WMO, MFS, etc. Upon full implementation of MedGLOSS in all Mediterranean and Black seas countries, additional support centers will be selected, to aid the focal center with quality verified data.

**h.** A Memorandum of Understanding draft will be circulated by Dov Rosen, MedGLOSS coordinator, to the MedGLOSS participating organizations, to be signed upon approval, which will coordinate the MedGLOSS pilot network operation and the data rights and transfer to third parties outside MedGLOSS, according to the purpose of data use (commercial, scientific).

**i.** Formal active operation of MedGLOSS pilot network will start on 01 October 2001.

#### **MedGLOSS progress update**

Following the recognition of the need for upgrading key sea-level stations, CIESM decided after the last CIESM Congress to fund the upgrading and connection to the MedGLOSS pilot network of a number of key stations of CIESM member countries, with the assistance of the Israel Oceanographic and Limnological Research Institute (IOLR), Israel. The stations originally selected for equipment upgrading were in Romania, Croatia, Malta, Egypt, Tunisia and Morocco and lately also in Cyprus. The upgrading started by the installation of the first in December 1999 in the port of Constantza, Romania, followed by the next station installation in June 2000 in the port of Split, Croatia, and the third station installation in Portomaso, Malta in February 2001. Two additional stations were proposed to be installed in Tunisia and Egypt. Tunisia decided to perform the upgrade by self funding, purchase and installation of the equipment selected. For this purpose, all necessary documentation was transferred to the Dr. Cherif Sammari of Tunisia. Discussions were conducted with the National Institute of Oceanography and Fisheries, Egypt for a the installation of a station in the port of Alexandria. So far they have not materialized in an implementation plan for the Alexandria station, but it is hoped that this would be achieved soon. The installation of a sea level station in Nador port, Morocco was agreed with the Morocco authorities by CIESM. The funds were provided for ordering the equipment and coordination of the installation started by the local authorities and the coordinator. By the end of 2000 final confirmation of the site in the port of Nador was received from the port authorities for the installation of the station. At present the equipment purchased is ready and expected to be installed in late fall 2001, during suitable weather conditions. Finally, the installation of the equipment for a sea level station in

Paphos, Cyprus agreed with the Cyprus authorities is planned to be performed at the beginning of September 2001.

The real time transmission from all selected pilot network sea level stations for near-real time transmission was delayed to 1 October 2001, expecting that by then both existing and new station will be ready for coordinated data transmission. In addition to the implementation of the MedGLOSS meeting decisions, additional plans for 2001 are:

(a) Adaptation of tide forecasting software package TASK developed at POL to WINDOWS system by IOLR and POL;

(b) Adaptation of ISRAMAR software package for MedGLOSS data gathering and transmission and display to WINDOWS system by IOLR;

(c) Adaptation of the residual sea-level forecasting developed by the Puertos del Estado to the Central and Eastern Mediterranean and to the Black Sea.

#### **References**

- 1 - Rosen D.S., 2001, "IOC and CIESM MedGLOSS Workshop and Coordination Meeting for the Pilot Monitoring Network System of Systematic Sea Level Measurements in the Mediterranean and Black Seas", Report 176, July 2001, IOC/UNESCO, Paris, France.
- 2 - Rosen D.S., 1997, "Launching of the pilot phase of MedGLOSS network, Outcome of 1st meeting of the Joint IOC/UNESCO and CIESM Group of Experts on MedGLOSS", February 1997.