



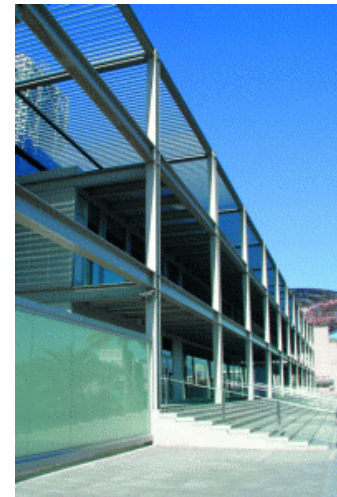
Mediterranean Centre for Marine and Environmental Research
(CMIMA-CSIC) Barcelona

Institute of Marine Sciences (ICM)

Marine Biology
Physical Oceanography
Marine Geology
Fisheries

Marine Technology Unit (UTM)

Technological Development
Oceanographic Services



<http://www.cmima.csic.es>

MAMA contact:

Jordi Font (ICM)
jfont@icm.csic.es

ICM activities related to MAMA objectives

- **Mediterranean monitoring projects:**

 - Catalan coast water quality survey (75 points, 1993-present, weekly/monthly)

 - L'Estartit hydrographic survey (1970-present, weekly)

 - Medes islands Natural Reserve biological monitoring (1991-present, yearly)

 - Barcelona Marine Station (project under development)

- **Monitoring systems:**

 - Multi-camera video system for coastal monitoring (Argus) <http://argus.cmima.csic.es/>

 - HRPT satellite receiving station (temperature, colour) <http://pro-sat.cmima.csic.es/>

- **Tools development:**

 - Harmful Algal Blooms Expert System (HABES, FP5)

 - New strategy of monitoring and management of HABs in the Med. (STRATEGY, FP5)

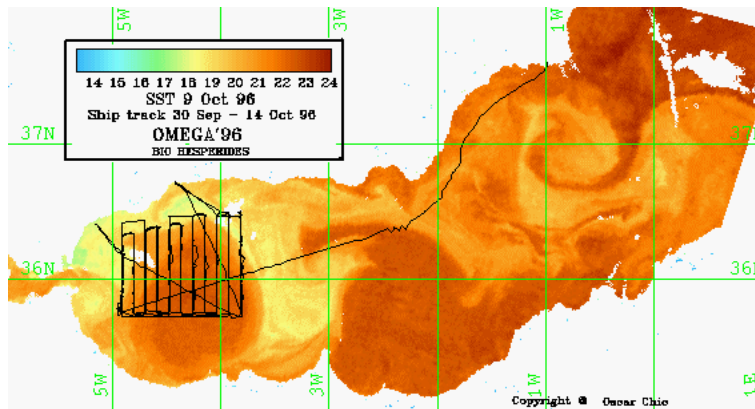
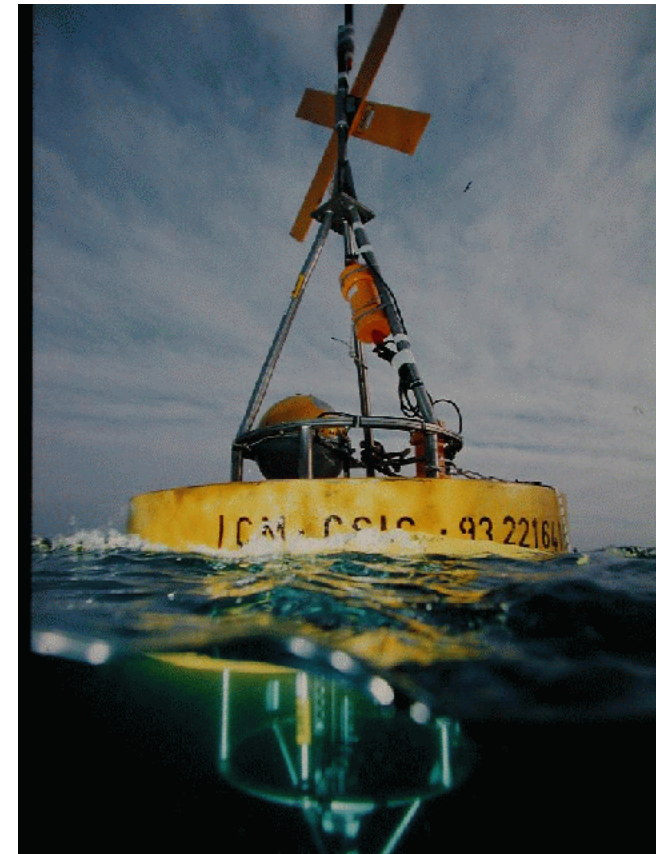
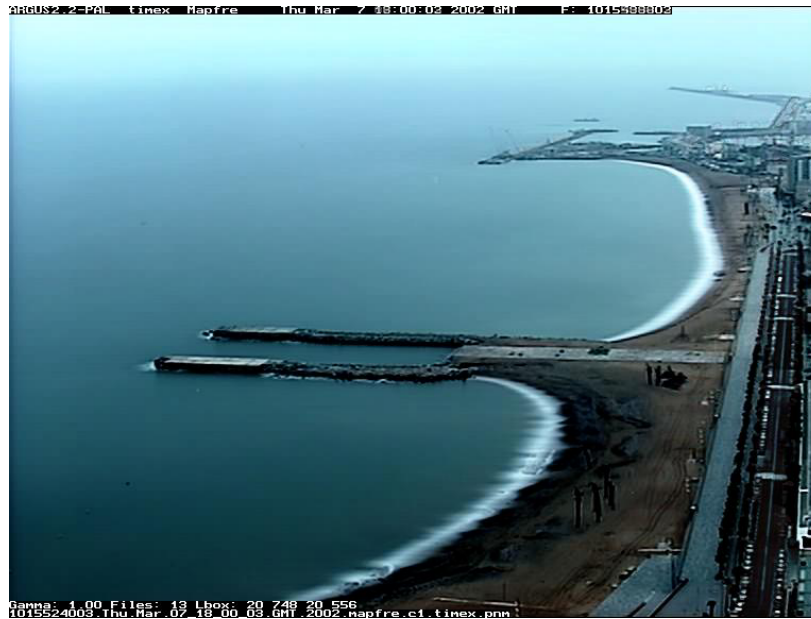
 - Objective analysis of hydrographic fields from profiling floats (GYROSCOPE, FP5)

 - Graphics tools to access, visualise and manage data through Internet (AVG-ION, E)

 - Structures analysis methods in remote sensing fields (IMAGEN, E)

 - Light GPS buoys for precise sea level measurements at open sea (GRAC, E-ESA)

 - Moored buoy for near-surface temperature and salinity measurements (WISE, ESA)



Monitoring tools at ICM

MAMA challenges and expected problems

WP2 MAMA-OBS, Observing System

Task 2.5 Evaluation of the Near Real Time Satellite Data

Efficient access to all partners

Authorisation to distribute SeaWiFS data

Availability of processed altimeter data

To really have NRT products !!!

⇒ to use experience from MFSP

