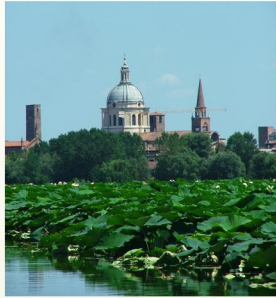




Workshop "Remote Sensing of Cyanobacteria" Mantua and Garda lakes, 19 July 2011



Organised by CNR-IREA Milano with the support of University of Sweden, Strömbeck Consulting, Luode Consulting Oy, OEO Odermatt Earth Observation, CNR-ISMAR Venice, CNR-IIA Rome, University of Parma



Rationale

Eutrophication and cyanobacterial blooms present an increasing threat to the health of aquatic ecosystems and to humans who use these resources for multiple purposes (e.g. drinking, recreation, aquaculture). Remote sensing is being used increasingly as a tool for monitoring these phenomena in inland and near-coastal waters (Matthews et al., 2010).

Aims

A set of spectroradiometers (e.g. Ramses, ASD), fluorimetric probes and optical sensors (e.g. Hydroscat-6) will be operated simultaneously with water sampling in order to: (1) perform an inter-calibration exercise, (2) collect data during a cyanobacterial bloom and (3) promote cooperation activities.



Program

8-10 → Transfer from Milan to Mantua

10-13.30 → Fieldwork activities in the lakes of Mantua (a lunch box will be served onboard)

14-15.30 → Transfer from Mantua to E. Zilioli Research Station in Sirmione

15.30-17.30 → Oral sessions:

- Welcome to the Station (Musanti IREA)
- Introduction to Cyan-Is-Was Project (Giardino IREA)
- Summary of fieldwork activities in Mantua lakes (Strömbeck Consulting, Luode Consulting Oy.)
- Links with other projects:
 - Eufar HAbLakes (Bresciani/Rossini IREA, Università Milano Bicocca)
 - Central Europe EULAKES (Gallinaro Comunità del Garda)
 - ASI CLAM-PHYM (Braga/Cavalli ISMAR, IIA)
- Discussion

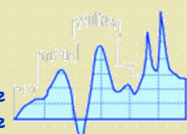
18-21 → Outdoor dinner at the Station and return to Milan

Research framework - The workshop is part of **Cyan-Is-Was** a cooperation project between Italy and Sweden (2010-2011, MIUR) to detect cyanobacterial blooms in Italian and Swedish waters from earth observation technology



ASI CLAM-PHYM

Centro Rilevamento Ambientale
(CRA) Comune di Sirmione



Logistic: GEO Eventi & Servizi srl