

Jointly organized by:



DIPARTIMENTO DI SCIENZE DELLA TERRA
E GEOLOGICO-AMBIENTALI



Workshop on
coastal pollution issues

“Living on the edge”

28 Aprile 2005, h. 10-17

Aula Magna

Dipartimento di Scienze della Terra e Geologico-Ambientali

Via Zamboni 67 - Bologna



Background

For many decades, **contaminants** were flushed into the **sea** which seemed like a receptacle forever capable of absorbing waste. **Coastal zones** in many countries now suffer from changes in their ecosystems, are plagued by toxic algal blooms and may have seasonal hypoxia and anoxia that cause massive fish kills.

To remediate these problems we have to trace our steps back and reconstruct when and how the natural environment became impacted by **human activities**. Questions that arise:

- How do we change the environment back to a healthier state?
- Does **global warming** play a role in these deteriorated conditions?
- Can a system return to a natural pre-anthropogenic condition?

Speakers at this workshop will address the recent environmental history of the **Adriatic coastal area** and measures that are taken to remediate the many years of pollution. A comparison will be made with estuaries at the east coast of the USA.

Invited speakers:

Marco Abbiati - Scienze Ambientali, Ravenna, Università di Bologna

Alessandro Amorosi - Scienze della Terra e Geo-Ambientali, Università di Bologna

Marco Antonellini - Scienze Ambientali, Ravenna, Università di Bologna

Enrico Dinelli - Scienze Ambientali, Ravenna, Università di Bologna

Elena Fabbri - Scienze Ambientali, Ravenna, Università di Bologna

Nadia Pinardi - Scienze Ambientali, Ravenna, Università di Bologna

Gianpaolo Salmoiraghi - Biologia Evoluzionistica, Università di Bologna

Ellen Thomas - Earth and Environmental Sciences, Wesleyan University, CT, USA

Joop Varekamp - Earth and Environmental Sciences, Wesleyan University, CT, USA

**During the workshop posters are on display at the
Capellini Museum of Paleontology**

Jointly organized by the
Department of Earth Sciences, University of Bologna
and the **Eastern Colleges Consortium Program (ECCO)**

Program

Piermaria Luigi Rossi - Introduction

Alessandro Amorosi - Geology of Po coastal plain: depositional environments and metal distribution

Johan C. Varekamp - The environmental history of Long Island Sound, USA with evidence for human impacts

Enrico Dinelli - Geochemistry of sediments in coastal lagoons: sinks and sources of Contaminants

Elena Fabbri - Biomarker application in sentinel organisms for the assessment of environmental contamination in coastal lagoons

Marco Abbiati, Massimo Ponti - Ecological aspect of transitional environments

Ellen Thomas - The American Mediterranean: The Influence of Human Populations on the Ecosystem in Long Island Sound (USA)

Marco Antonellini - Causes and effects of salt water intrusion in the coastal aquifer of the Ravenna Province

Gianpaolo Salmoiraghi - The quality of coastal edge in relation to management of river basins

Nadia Pinardi, Giovanni Coppini - Mediterranean Forecasting System in support of sustainable development of marine coastal areas

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DI BOLOGNA E RAVENNA





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Registration Form

To send: workamb@geomin.unibo.it

First Name, Family Name:

Institution:

Position:

Address:

Country:

E-mail:

I will present a Poster (70x120 cm panel are available) YES NO

The participation at the workshop is free of charge but please fill out
the Registration Form so we can prepare the logistics.

For information e-mail or call:

Giuliana Panieri

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