

# ADRICOSM-EXT

(ADRIatic sea integrated COastal areaS and river basin Management system pilot project - EXTension)

WP1: Enhancement of ADRICOSM observational and modeling network

***Task 1.3: Implementation of new CTD coastal networks and monitoring stations.***

***Subtask 1.3.1: The Bar-Durazzo coastal area seasonal data collection***

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**Participants:** Zoran Kljajic, IBM (Kotor); Mitat Sanxhaku, HI-ASA (Tirana)

# Report cruise 2005 Durres-Bar 03-06 November 2005

- Participants of the cruises:

- **Italian Scientific staff:**

- Dr. MARINI Mauro, CNR-ISMAR-Ancona
- Dr. Grilli Federica, CNR-ISMAR-Ancona
- Dr. CAMPANELLI Alessandra, CNR-ISMAR-Ancona
- Mr. CACCAMO Giuseppe, CNR-ISMAR-Ancona
- Dr. Mulargia Manuela, Embassy of Italy of Tirana

- **Albanian Scientific staff:**

- Mrs. ADHAMI Emirjeta, ASA-HMI-Tirana
- Ms. MURTAJ Bledar, ASA-HMI-Tirana
- Mr. Raslind Shytaj, Institute of Hydrographic of Albania

- **Montenegrin Scientific staff:**

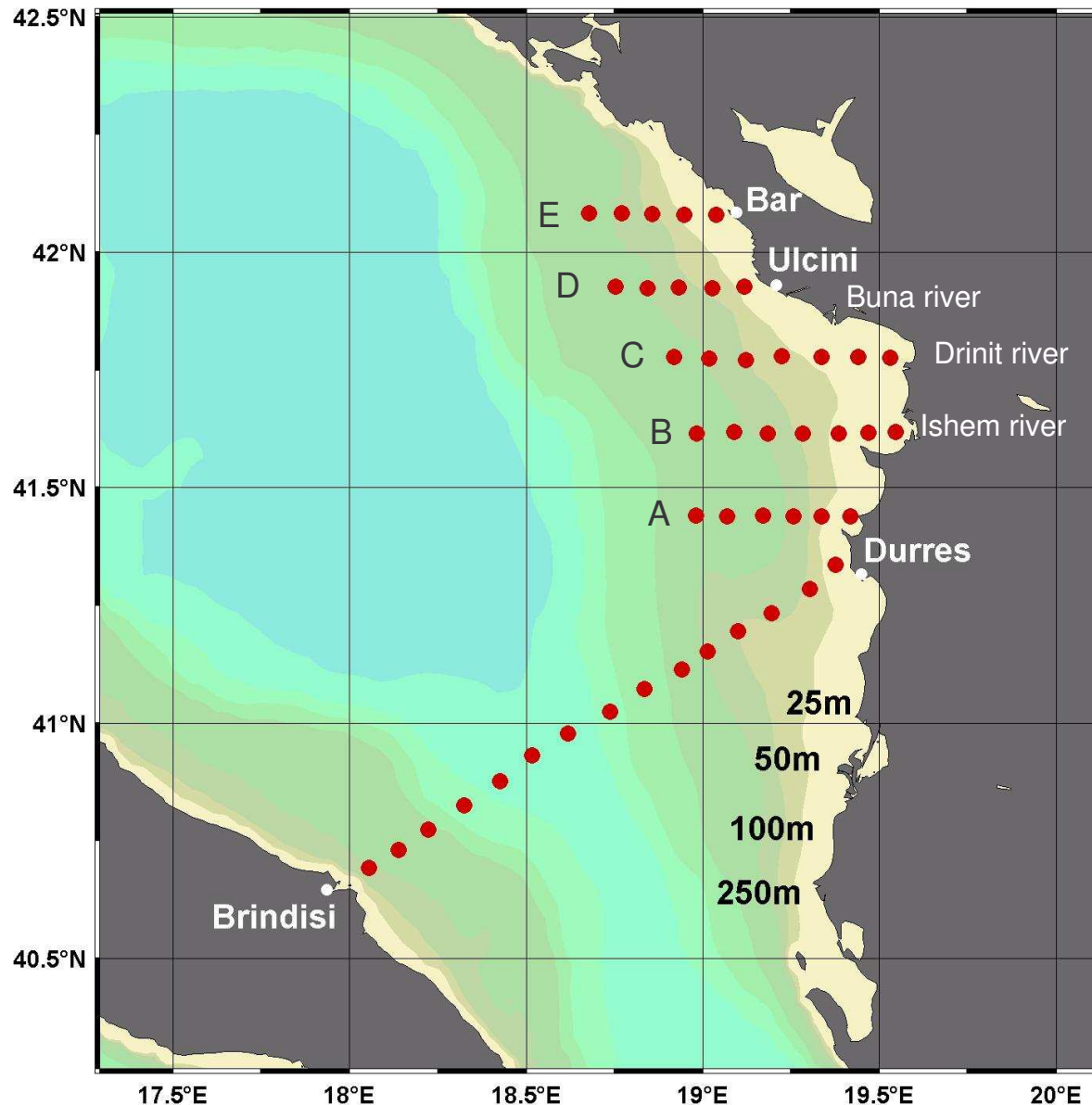
- Dr. Zoran Kljajic, IBM-Kotor
- Mrs. Dina Dragovic, IBM-Kotor
- Mrs. Vesna Macic, IBM-Kotor
- Ms. Aleksandar Jovicic, Institute of Hydrographic of Montenegro

## CTD Stations and samplings

Profile data stations : n° 44  
(temperature, salinity, turbidity, oxygen, fluorescence)

Water sample :  
Nutrients, n° 230  
Oxygen, n° 36  
Pigments, n° 30

Sediment sample : Pollutants in coastal areas near the Porto-Romano:  
pesticide and heavy metals, n° 2



## Benefits of cruise:

- Training Montenegro and Albania partners to improve knowledge for CTD and chemical and instrumental analysis data;
- Using, working and calibrated new CTD system (oxygen and conductivity sensor)
- Training with oceanographic programme OCEAN DATA VIEW.

# Short report about first results on oceanographic cruise Bar-Durres

- What we observed on cruise:

In the section of Brindisi – Durres is observing the ingression of water LIW (Levantine Intermediate Waters) with 38.87 salinity down up to 95m and in a distance of 45 miles in front of the Durresi shoreline. The thermocline is observing in 60m, in the layer between 10 to 60m in depth is very good correlation in parameters of temperature, salinity and oxygen.

Near the Albanian coast the water is warmer ( $20.1^{\circ}\text{C}$ ) while near the Italian coast the water temperature is colder ( $18.5^{\circ}\text{C}$ ).

In surface of the Italian coast is observing the minimum of the salinity 37.96.

In the section A, B, C of the surface coast is observing the freshwater (low salinity and dissolved oxygen) in a distance 25 miles from the shoreline which are coming from the River of the South Albania (Vjosa and Seman); in the section D the freshwater flow is greater than in the others (Erzen, Ishem, Mati, Drini and Buna)

# Transect B

