



PIC – INTERREG III – Italia-Albania

Misura 2.1: TUTELA E VALORIZZAZIONE AMBIENTALE

Task B9 - Oceanografia Chimica

Coord. Prof. Roberto Frache - Università di Genova - CoNISMa
Prof. Alqi Cullaj - Università di Tirana

Coll: Dr. Paola Rivaro – Università' di Genova – CoNISMa
Dr. Emirjeta Adhami - Department of Environment, Institute
of Hydrometeorology, Academy of Sciences

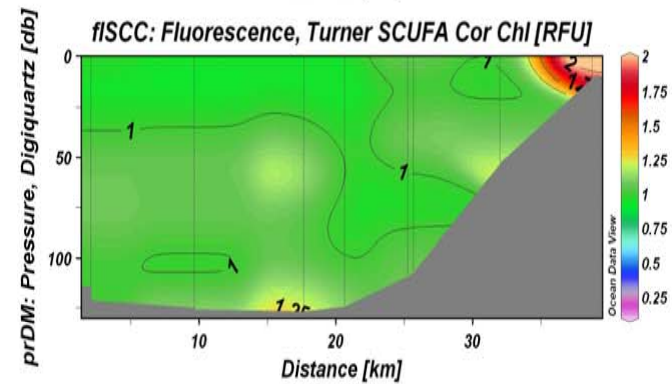
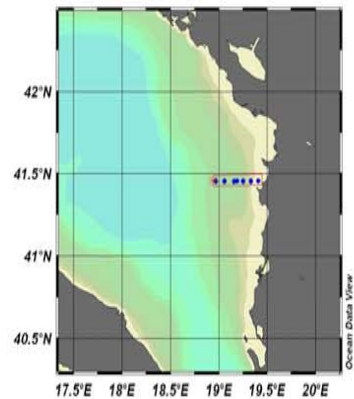
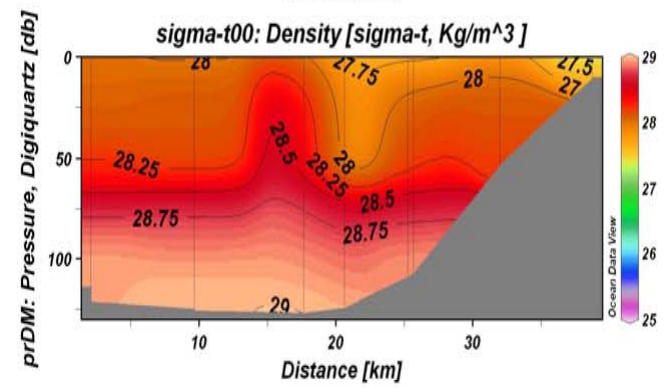
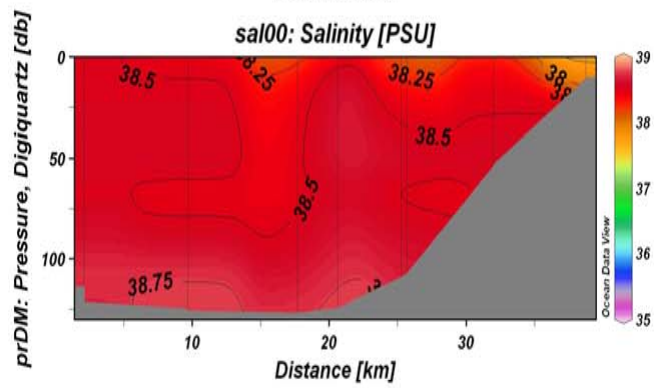
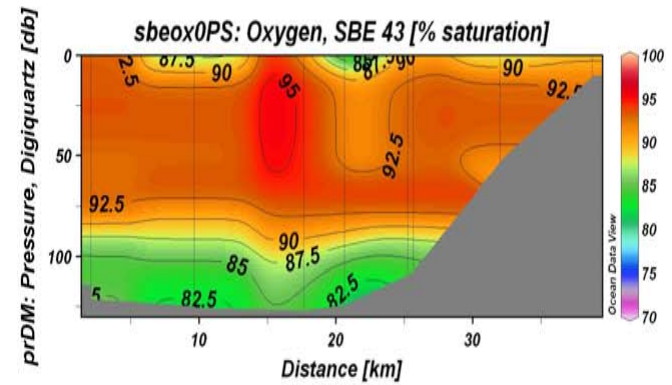
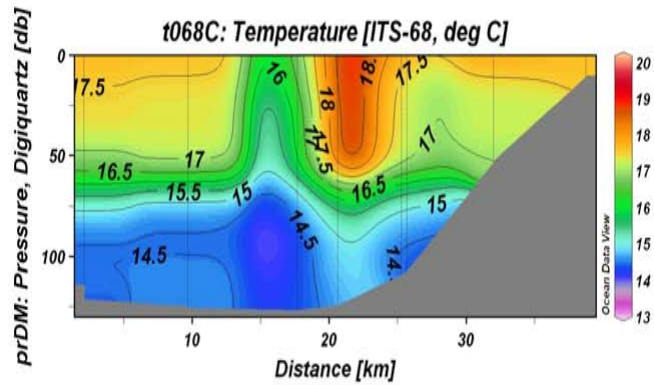
Tirana, 28/02-03/03-2007

Available capabilities

- Water analysis: DO, Nutrients, pH, Conductivity, Alkalinity, TSS, K, Na, etc.
 1. Environmental Department of Institute of Hydrometeorology (Academy of Sciences)
 2. Section of Analytical Chemistry of Faculty of Natural Sciences (University of Tirana)
- Sediments and Particulate matter analysis:
Heavy metals (Pb, Cd, Cr, Ni, As, Hg, Mn, Cu, Zn) and speciation of heavy metals
 - 1) Section of Analytical Chemistry of Faculty of Natural Sciences (University of Tirana)

Publications: Institute of Hydrometeorology

1. Primi risultati della cooperazione tra Italia, Albania e Montenegro per lo studio oceanografico della fascia costiera da Durres a Bar, Dialogo Oggi
2. Scientific conference “ Evaluation of fish product and aquaculture in Albania: research, technology and commerce”
3. *Paper*: “Oceanographically characteristics of Albanian marine coastline”, November 20, 2004, Vlore, Albania
4. Scientific conference for ADRICOSM-Extension Project – Final Meeting,
5. Paper: “Implementation of new CTD coastal networks and monitoring stations.” November 2006, CNR - Roma, Italy
6. Compare the fresh water input on the Adriatic Sea Coastal Area: Po River and Buna+Drini rivers, 2006
7. Is the south east Adriatic Sea the eutrophic Area?



Determinazione metalli totali e loro speciazione in sedimenti albanesi: stato dell'arte

P. Rivaro, C. Ianni, N. Ruggieri, R. Frache.

Atti XVI Congresso Nazionale Chimica Analitica Portonovo (AN), 24-28.09.2001.

P. Rivaro, C. Ianni, S. Massolo, N. Ruggieri, R. Frache

***Toxicological and Environmental Chemistry* 86, 87, 2004**

P. Rivaro, S. Massolo, C. Ianni, R. Frache

***Toxicological and Environmental Chemistry* 87, 481, 2005**

A. Arapi, P. Lazo, A. Cullaj

The speciation of heavy metals in Viluni lagoon

A. Shehu , P. Lazo, A. Cullaj

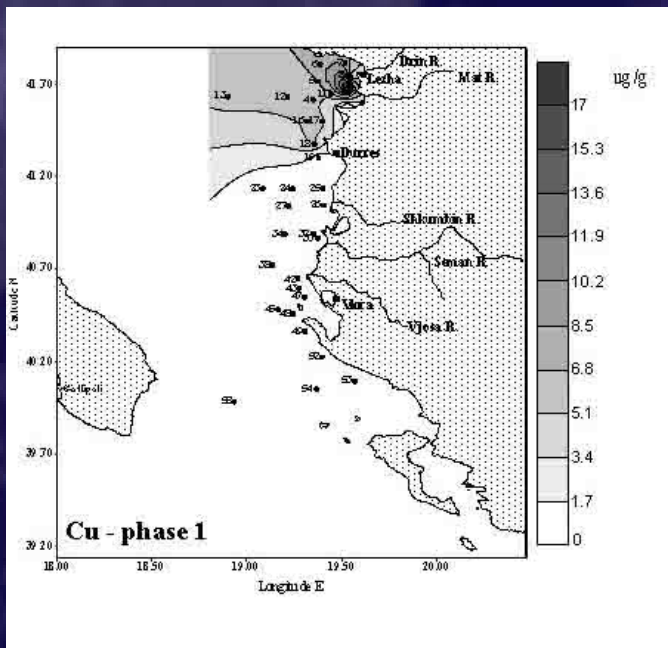
Evaluation of metal species in sediments using single and sequential extraction procedures

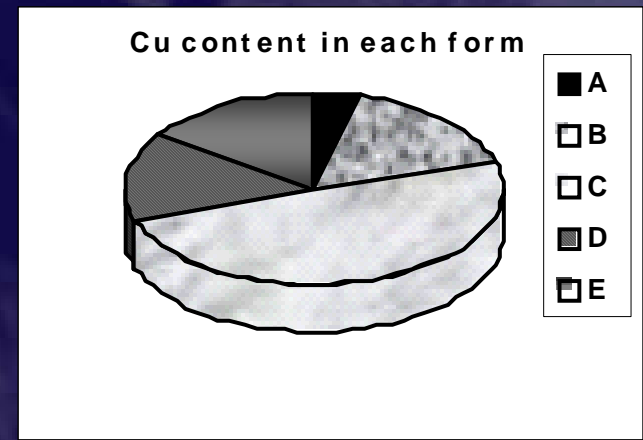
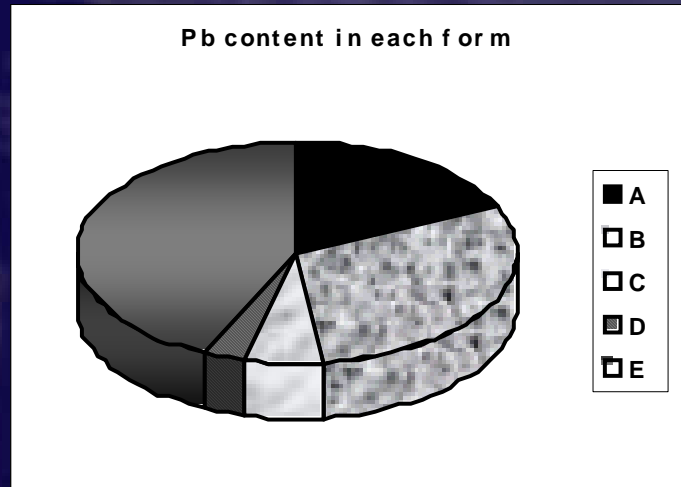
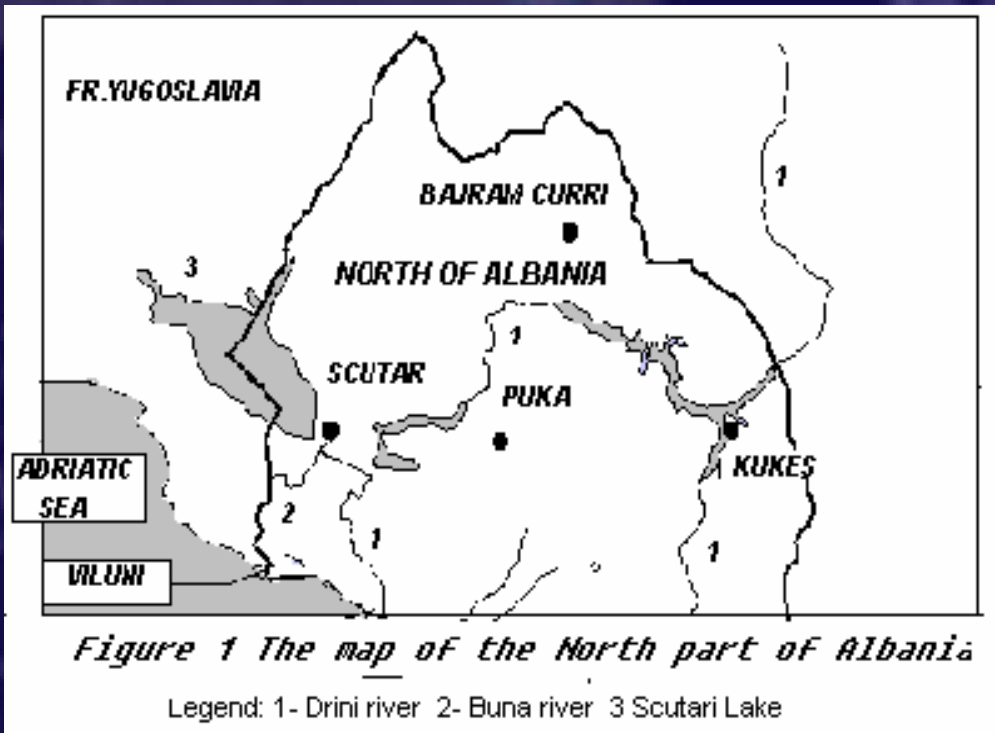
V. Çelo, D. Babi, B. Baraj, A. Çullaj

An assessment of heavy metal pollution in the sediments along the albanian coast

***Water, Air, and Soil Pollution* 111: 235–250, 1999.**

Cr, Ni, Cu frazione 1 a maggiore biodisponibilità





Arapi, P. Lazo, A. Cullaj
 The speciation of heavy metals in Viluni lagoon

Attività Task B9:

1. Redazione congiunta protocollo operativo “linee guida” procedure di campionamento e analisi dei diversi parametri (acqua e sedimenti)

2. Partecipazione congiunta alle campagne a mare

3. Raccolta Campioni in alcune stazioni “in doppio” per esercizi di intercalibrazione

4. Analisi dei campioni in doppio in laboratori albanesi e italiani

5. Formazione personale: acquisizione delle reciproche conoscenze, partecipazione a campagne di campionamento, analisi, elaborazione e trattamento dei dati inter-Task

Stesura di tesi di laurea sui dati raccolti durante le campagne.

Seminari dei coordinatori presso gli istituti coinvolti sulle tematiche dei progetti

6. Procedure di validazione del dato analitico