

CRUISE SUMMARY REPORT

CRUISE Name : ADRICOSM-05 **No :**

CRUISE PERIOD start : 03 november 2005 **to end :** 10 november 2005

PORT OF DEPARTURE Ancona (ITALY)

PORT OF RETURN Ancona (ITALY)

SHIP Name : DALLAPORTA **Call Sign :** IYVQ **Type of ship :** trawl research vessel (35 m.)

RESPONSIBLE LABORATORY Name : CNR-ISMAR-AN **Address :** Largo Fiera della Pesca, 2 Ancona, 60125 **Country :** ITALY

CHIEF SCIENTIST(S) Name : Mauro Marini CNR-ISMAR-AN

OBJECTIVES AND BRIEF NARRATIVE OF CRUISE

First cruise of project ADRICOSM, included the Vieste-Split transect (NRL project), the Pomo transect (LTER project) and the monitoring of two ENI methane extraction platform (ENI project). The scientific work started with the transect Brindisi-Durres (15 CTD and 89 samples). The ship entered in Durres harbour to bring on board albanian and montenegro scientific crew: Bledar Murtaj, Emirjeta Adhami, Shytaj Raslind from Albania, Zoran Kljajic, Vesna Macic, Dina Dragovic from Montenegro and Manuela Mulargia from Italy. Aleksandar Jovicic from Montenegro was on board in a little stop in Bar harbour during the cruise. Then the 5 transect of Drin Gulf are done (30 CTD and 141 samples), after the ship entered in Bar harbour again (6 november) in order to deploy foreing crew and Mulargia. On the 8 and 9 november Vieste-Split transect (9 CTD 60 samples) and Pomo transect (4 CTD) were carried out. On the 9 and 10 "Clara Est" and "Naide" site were monitored (8 CTD 32 samples each). In beetwn the two sites, Marini was deployed in Ancona. The SBE19plus CTD was used instead the usual SBE911plus, which was lost in September, and the second 911plus was sent to be used in the antarctic cruise. All the casts were limited to 210 meters depth, due to the sea cable length.

The italian scientific crew was: Marini, Grilli, Campanelli and Caccamo.

PROJECT name : ADRICOSM-ext **Coordinanting body :** INGV-Bologna

PRINCIPAL INVESTIGATORS

name	body	address	country	e-mail
A Elio Paschini	CNR-ISMAR-AN	Largo Fiera della Pesca,2 60125 Ancona	ITALY	<i>e.paschini@ismar.cnr.it</i>
B Mauro Marini	as before			<i>m.marini@ismar.cnr.it</i>
C Zoran Kljajic	IBM-Kotor	Dobrota bb, 85330 Kotor	MONTENEGRO	<i>zkljajic@ibmk.org</i>
C Mitat Sanxhaku	AL-HIM	Durresi, 219 Tirana	ALBANIA	

MOORINGS, BOTTOM MOUNTED GEAR AND DRIFTING SYSTEMS

PI Latitude Longitude TYPE DESCRIPTION

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SUMMARY OF MEASUREMENTS AND SAMPLES TAKEN

PI	NO	UNITS	TYPE	DESCRIPTION
A	74	casts	H10	SBE19plus(CNR-ISMAR-FG property) (C, T, D), SBE43 (Oxy), TURNER SCUFA(FI,Tur)
A	69	casts	H09	Carousel SBE32 compact(CNR-ISMAR-FG property) with 6 bottles of 1,7 litres
B	36	samples	H21	Oxygen Winkler method on board analysis with METROHM Tritino 720 and sampler 760
B	354	samples	H22, H24, H25, H76, H26	Phosphate, Nitrate, Nitrite, Ammonia, Silicate on shore analysis with Autoanalyzer BRAN+LUEBBE model QuAAtro (2 Ch.)
B	230	samples	B02	Phytoplankton Pigments (Chlorophyl a, b, c) on shore analysis with HPLC DIONEX model PDA100+GP50
C	2	samples	P02	Trace heavy metal on shore analysis
D	10	samples	H23, H75	Total-P, Total-N on shore analysis

TRACK CHART : none

GENERAL OCEAN AREA(S) : Eastern Mediterranean Sea (179 Marsden Square)

SPECIFIC AREAS : North Adriatic Sea