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# CRUISE SUMMARY REPORT

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**CRUISE Name :** ENI07-3No : GDP07-08

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**CRUISE PERIOD start :** 23 april 07 **to end :** 24 april 07

**PORT OF DEPARTURE** Ravenna (ITALY)

**PORT OF RETURN** Ancona (ITALY)

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

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

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**CHIEF SCIENTIST(S) Name :** Paschini Elio CNR-ISMAR-AN

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## OBJECTIVES AND BRIEF NARRATIVE OF CRUISE

Third monitoring cruise of ENI methane extraction stations TEA (8 CTD stations with samples) and NAIDE (8 CTD stations). Recovery of bottom frame with ADCP RDI Sentinel close to Naide platform.

Winkler analysis on board.

The recovery of one mooring on TEA by grappling was unsuccessful. The acoustic releaser was still alive.

More than ten passages over the mooring position were done.

At the Naide mooring the grappling method was unsuccessful too.

The mooring was hooked at the first trial with the circumvection method.

The acoustic releaser did not respond. The GDP tender was used .

The scientific crew was: Campanelli ,Grilli, Paschini and Penna.

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**PROJECT name :** ENI Coordinating body : CNR-ISMAR-AN

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## 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>

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## MOORINGS, BOTTOM MOUNTED GEAR AND DRIFTING SYSTEMS

PI	Latitude	Longitude	TYPE	DESCRIPTION
A	40 20'.584 N	12 44'.778 S	D90	recovery of a bottom frame with RDI WHS300-I s/n 6342 ADCP and an acoustic releaser DATASONICS ATR397 s/n 695

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## SUMMARY OF MEASUREMENTS AND SAMPLES TAKEN

PINO	UNITS	TYPE	DESCRIPTION
A 2	file	D90	cruise track Navigation program SeaClearII with GARMIN GPS 36
A 16	casts	H10	SBE9/11+ (C, T, D), SBE43 (Oxy), TURNER SCUFA(FI,Tur)
A 16	casts	H09	Rosette GO1015 with 3 bottles of 10 litres YDRO-BIOS
B 16	samples	H21	Oxygen Winkler method

B 10 samples H21	on board analysis with METROHM Tritino720 and sampler760
B 64 samples H22, H24, H25, H76, H26	Phosphate, Nitrate, Nitrite, Ammonia, Silicate, on shore analysis with Autoanalyzer BRAN+LUEBBE model QuAAtro (2 Ch.)
B 64 samples B02	Phytoplankton Pigments (Chlorophyl a, b, c) on shore analysis with HPLC DIONEX model PDA100+GP50
A 1 file D71	current profile 9 layer of 4 meters from 2006-10-24 up to 2007-04-24 on shore download.

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**TRACK CHART :** [ENI07-3.svg](#)

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

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**SPECIFIC AREAS :** North Adriatic Sea

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