Fondation **tara océan** explore and share

LOG-METADATA

tara EUROPA

LOG_SAMPLES_ YYYY 2024 MM 04 DD 24 _STATION- # 1 # 3 # 4 _METADATA

BATHYMETRY 67 m

LATITUDE 42,0584

LONGITUDE 11,7427

START UTC HH:MM 10 52

END UTC HH:MM 16 00

STATION NAME Civitavecchia

Depth	SALINITY (from TSG U-Lab)	SEAWATER TEMPERATURE °C (from TSG in U-Lab)	TURBIDITY (1 = open ocean; 2 = coastal; 3 = estuary)	TURBIDITY DATA FNU (from S-Lab)	FLUORESCENCE µg.L^{-1} (from fluoroprobe in U-Lab)
[1] Z= m	38.1693	16.4031	1 ☐ 2 ☒ 3 ☐	0.75 0.84 0.66	/
[2] Z= m			1 ☐ 2 ☐ 3 ☐		
[3] Z= m			1 ☐ 2 ☐ 3 ☐		

- **COMMENTS** Problem with rosette connection so Soliane had to redo the terminaison, so we started later. Good conditions, not much in the water but very surprisingly lots of life in the 200 µm net (copepods) and 680 µm net (larvae of decapods porcellanidae). FULL of zooplankton. But in the 20µm net not much! Lots of microplastics also. Big harbour around, aerosols were very dark.

- LISTS OF DEPLOYMENTS BY STATION: ● NORMAL SITE ○ SERVICE SITE

✓ ROSETTE

● A20 PUMP FOR OMICS

● A20 PUMP FOR DECKNET 5 µM

● A40 PUMP FOR DECKNET 20 µM

● ASM

● NET 200 µM

● NET 680 µM

● BOW POLE

● MERCURY

● SML

✓ SECCHI DISK: 11m

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LOG-EVENT_ROSETTE

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STATION 1 3 4 CAST # 1 NORMAL SITE ☒ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	24	10	52	+ 42° . 0584	+ 011° . 7427
END	2024	04	24	10	59	+ 42° . 0604	+ 011° . 7434

OPERATORS INITIALS

CABLE OUT (m) 60

SOUNDER IN (m) 66

WIND SPEED (kn) 4,5

SCANMAR (m) 60

SOUNDER OUT (m) 64

WIND DIRECTION 210°

PLACE NAME

SEASTATE **START** 2/smooth

CTD raw file name ~~S~~ ST134-20240424

SEASTATE **END** Smooth 2

UVP raw file name

Other information

Bottle #	1	2	3	4	5	6	7	8	9	10	11	12
Bottle Volume (L)	8	8	8	8	12	12	12	12	12	8	8	12
Depth Label	Z	Z	Z	Z	Z 2	Z 0	Z	Z	Z	Z	Z	Z
Target Depth (m)												
CTD Depth (m)												

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STATION 1 3 4

NORMAL SITE ☑ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	24	11	07	N 42.0638	E 011.7450
END	2024	04	24	11	37	W 42.0685	E 011.7501

INVESTIGATOR(S) Iole Di Capua

EVENT TYPE
○ SML ○ MICROTOPS ○ BOW POLE ○ hTSRB
○ A20 PUMP ○ A40 PUMP ○ ASM Normal site ○ ASM Service site
○ Aliens in ports ☑ eDNA ○ Filtration 5µM

COMMENTS / PROTOCOL NAMES

T-HG **Vial-40mL** **RT >10°C**	### T-HG-1	### T-HG-2
MTE-BP **Bottle-125mL** **RT >10°C**	### MTE-S-1	### MTE-S-2

ASM **Whirl-Pak** **FRZ -20°C**	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6

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STATION 1 3 4

NORMAL SITE ● SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	24	11	09	N 42 .0638	E 011 .7450
END	2004	04	24	12	11	N 42 .0569	E 011 .7456

INVESTIGATOR(S) Celine DIMIER

EVENT TYPE

○ SML ○ MICROTOPS ○ BOW POLE ○ hTSRB

● A20 PUMP ○ A40 PUMP ○ ASM Normal site ○ ASM Service site

○ Aliens in ports ○ eDNA ○ Filtration 5µM

COMMENTS / PROTOCOL NAMES

P320 P023
S320 S023
S02

T-HG **Vial-40mL** **RT >10°C**	### T-HG-1	### T-HG-2
MTE-BP **Bottle-125mL** **RT >10°C**	### MTE-S-1	### MTE-S-2

ASM **Whirl-Pak** **FRZ -20°C**	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6

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LOG-EVENT_NET

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STATION 1 3 4

NORMAL SITE ● SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	24	11	38	+ 42 . 0687	+ 11 . 7504
END	20			13	16	42 . 0577	11 . 7448

INVESTIGATOR(S) TB ○ DAY ○ NIGHT

SOUNDER IN (m)	52.2	CABLE OUT (m)		SEASTATE **START**	
SOUNDER OUT (m)		SCANMAR (m)		SEASTATE **END**	

NET TYPE ● Decknet 20* ○ WPII 200 ○ Regent 680 ○ Decknet 5

NET TOW TYPE ● Horizontal ○ Oblique

NET DEPTH (m) MIN 200 MAX 800

NET FLOWMETER /VOLUMETER in L for 20-µM START 101240 END 104480

NET COD-END 680 ○ ZooScan ○ S680-L

COMMENTS

***volumeter always in litres**

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STATION 1 3 4

NORMAL SITE ☑ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	24	12	17	N 42.0577	E 011.7465
END	2024	04	24	12	30	N 4.0604	E 011.7491

INVESTIGATOR(S) Iole Di Capua

EVENT TYPE

○ SML ○ MICROTOPS ○ BOW POLE ○ hTSRB

○ A20 PUMP ○ A40 PUMP ○ ASM Normal site ○ ASM Service site

○ Aliens in ports ○ eDNA ☑ Filtration 5µM

COMMENTS / PROTOCOL NAMES

10L

T-HG **Vial-40mL** **RT >10°C**	### T-HG-1	### T-HG-2
MTE-BP **Bottle-125mL** **RT >10°C**	### MTE-S-1	### MTE-S-2

ASM **Whirl-Pak** **FRZ -20°C**	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6

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STATION 1 3 4

NORMAL SITE [✓] SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	24	12	47	N 42.0644	E 011.7514
END	2024	04	24	13	10	N 42.0535	E 011.7407

INVESTIGATOR(S) Iole Di Capua

EVENT TYPE

[✓] SML ○ MICROTOPS ○ BOW POLE ○ hTSRB

○ A20 PUMP ○ A40 PUMP ○ ASM Normal site ○ ASM Service site

○ Aliens in ports ○ eDNA ○ Filtration 5µM

COMMENTS / PROTOCOL NAMES

T-HG **Vial-40mL** **RT >10°C**	112581133	### T-HG-2
MTE-BP **Bottle-125mL** **RT >10°C**	112581132	### MTE-S-2

ASM **Whirl-Pak** **FRZ -20°C**	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6

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STATION 1 3 4

NORMAL SITE ☒ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	24	14	21	N 42.0602	E 011.7526
END	2024	04	24	14	41	N 42.0533	E 011.7423

INVESTIGATOR(S) Mouch/Solene

☒ DAY ○ NIGHT

SOUNDER IN (m)	56	CABLE OUT (m)	Surface	SEASTATE START	3
SOUNDER OUT (m)	70	SCANMAR (m)	—	SEASTATE END	3

NET TYPE ○ Decknet 20* ☒ WPII 200 ○ Regent 680 ○ Decknet 5

NET TOW TYPE ☒ Horizontal ○ Oblique

NET DEPTH (m) MIN Surface MAX Surface

NET FLOWMETER /VOLUMETER in L for 20-µM START 01774 END 05885

NET COD-END 680 ○ ZooScan ○ S680-L

COMMENTS

***volumeter always in litres**

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STATION 1 3 4

NORMAL SITE ☒ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	24	14	55	N 42.0532	E 011.7408
END	2024	04	24	15	15	N 42.0621	E 011.7523

INVESTIGATOR(S) Maud / Solene

☒ DAY ○ NIGHT

SOUNDER IN (m)	73	CABLE OUT (m)	Surface	SEASTATE **START**	3
SOUNDER OUT (m)	55	SCANMAR (m)		SEASTATE **END**	3

NET TYPE ○ Decknet 20* ○ WPII 200 ☒ Regent 680 ○ Decknet 5

NET TOW TYPE ☒ Horizontal ○ Oblique

NET DEPTH (m) MIN Surface MAX

NET FLOWMETER /VOLUMETER in L for 20-µM START 05886 END 09945

NET COD-END 680 ○ ZooScan ● S680-L

COMMENTS

*volumeter always in litres

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STATION 1 3 4

NORMAL SITE ☒ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	24	15	23	N 42.0600	E 011.7537
END	2024	04	24	15	33	N 42.0543	E 011.7508

INVESTIGATOR(S) Manch/Selene

☒ DAY ○ NIGHT

SOUNDER IN (m) 55

SOUNDER OUT (m) 63

CABLE OUT (m) Surface

SCANMAR (m) —

SEASTATE **START** 3

SEASTATE **END** 3

NET TYPE ○ Decknet 20* ○ WPII 200 ☒ Regent 680 ○ Decknet 5

NET TOW TYPE ☒ Horizontal ○ Oblique

NET DEPTH (m) MIN Surface MAX —

NET FLOWMETER /VOLUMETER in L for 20-µM START 09945 END 12012

NET COD-END 680 ● ZooScan ○ S680-L

COMMENTS

Céline Dimier: lots of crustaceans larvae which do not fit in the jar.
I took 1/4 of the biomass for the formol sample

volumeter always in litres