ITINERIS (LNS)

ERDAP is production

Algorithm INFN is validated wrt Merchant

DOI : Simone Sanfilippo

Data re-anlysed – Decision exposed to ERDDAP

Ipanema Panarea (1 Hydro -5 min/ 6 hour - DM)

Ipanema Catania (1 Hydro – 5 min/ 6 hour - QRT)

ITINERIS JB capo passero (2 Hydros- 5 min/ 6 hour - QRT)

NEW SERVER AND STORAGE: Danilo Bonanno

Arrived today 🡪 set up end of July (Emidio)

1 Server – ITINERIS analysis /ERDDAP LNS 🡪 Simone + Emidio

1 Storage (160 TB) – ITINERIS analysis / ERDDAP LNS 🡪 Simone +Emidio

1 Server – LOWNOISER ssh machine Capo Passero 🡪 Abdel+Emidio

Inventariablile 700€ (includingv VAT): Insulated rack porto di Catania ? (Emidio)

JUNCTION BOX: Danilo Bonanno 🡪 Nunzio

CNR-ISP:

Giorgio 🡪 V. Sciacca / F. Filiciotto / M. Azzaro

Data and Erddap

CNR- IAS:

Giorgio 🡪 G. Buscanio / V. Coppolaro

Data and Erddap

CNR-ISMAR

Giorgio 🡪 ?

INGV- Roma

Giorgio 🡪 Giuditta, franceco, Laura, Davide

Lownoiser (LNS)

DAS is installed and running

PC to ssh data: Abdel + Salvo + Emidio (expected next week)

Define the data saving strtegy

Raw (96 h buffer + permanent intersting events) + SPL 5 min /5 km(5 m)

31 MB/sec

Milestones: M12 delivered (month 6)

Deliverables: D4.1 delivered (month 6)

Press Release: soon 1 new press release contact point INFN Martina Galli presso office rome

Analysis AI (Clara, Daniele, Flavia, Salvo)

Digital Twin: Laudani

Personnel: 1y Adr Laudani

1+1 years TD / Contratto di Ricerca

Geoinquire (LNS)

TA (3rd call): IFREMER (Florian) Catania DAS or Capo Passero

TA (4th call):

end in mid 2026 !

Funding still available

3.5 k€ consumables

NATURE PNIR (LNS)

750 k€ sea ops

130 k€ new observatory in Capo Passero : DU base + 1 ADCP + 1hydro + 1 CTD

70 k€ storage and servers: test DAS in ERDDAP, add 1 impulsive sound varible in Erdapp, provide few data for marine research to Southpool (capo passero)

1 TD: 30 months

KM3NeT (LNS)

Acoustic Positioning System:

Vivolo new hardware coordinater

ICRC 2025 paper approved – Salvo at ICRC

Tripod in MLA check: S&G 9th July

Test Beacon: power supply, audio recorder

New interest in comparison JPP/LBL

Vivolo in Capo Passero – 28 July + 5 days

Commissioning ARCA

From July 10-ish

commissioning of Phase 1 ?

Test of

Hydrophones in JB

Beacons in JB

Beacons in DU bases

Hydrophones in DU bases

?

Simone, Letizia, Didac, Abdel

Canopus on JB – Giorgio + Salvo + Rosanna + Nunzio

Acoustic Detection:

E. Buis & M. De Jong – very preliminary

Roma C. Nicolau – DAS Opto-Electronics

Very much interest at UACE2025!

AIS:

Catania Running

Capo Passero: New controller ruggedized PC arrived. Tested. Installation 15-23 July.

Noel: working. To be included in the INFN network

IPANEMA + DIVES:

Panarea analysis: noise correlated to tides, co2 – exciting

Catania station functioning recovered :

Correlation with DAS very good

DIVES Boat on top of station to tag sperm whales

MELITE

Vongola

DAS analysis: ongoing

Noel: working

Plemmirio: Autonomous

SOUND

Site check August 1st week (trieste)

October installation

CLIMED IT-Tunisia

2 Ipanema panare station in Tunisia

Papers and Conferences

Planning