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