

Updates on Italian Arctic Activities

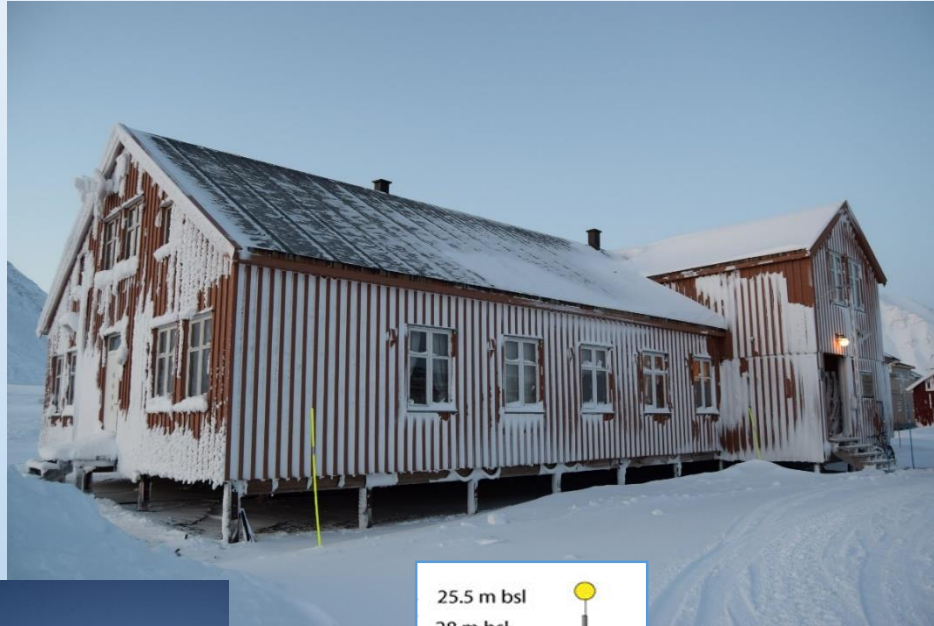
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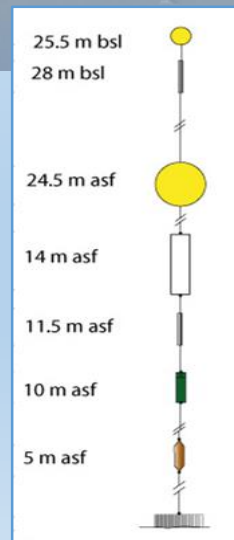
FARO annual meeting, March 26, 2022



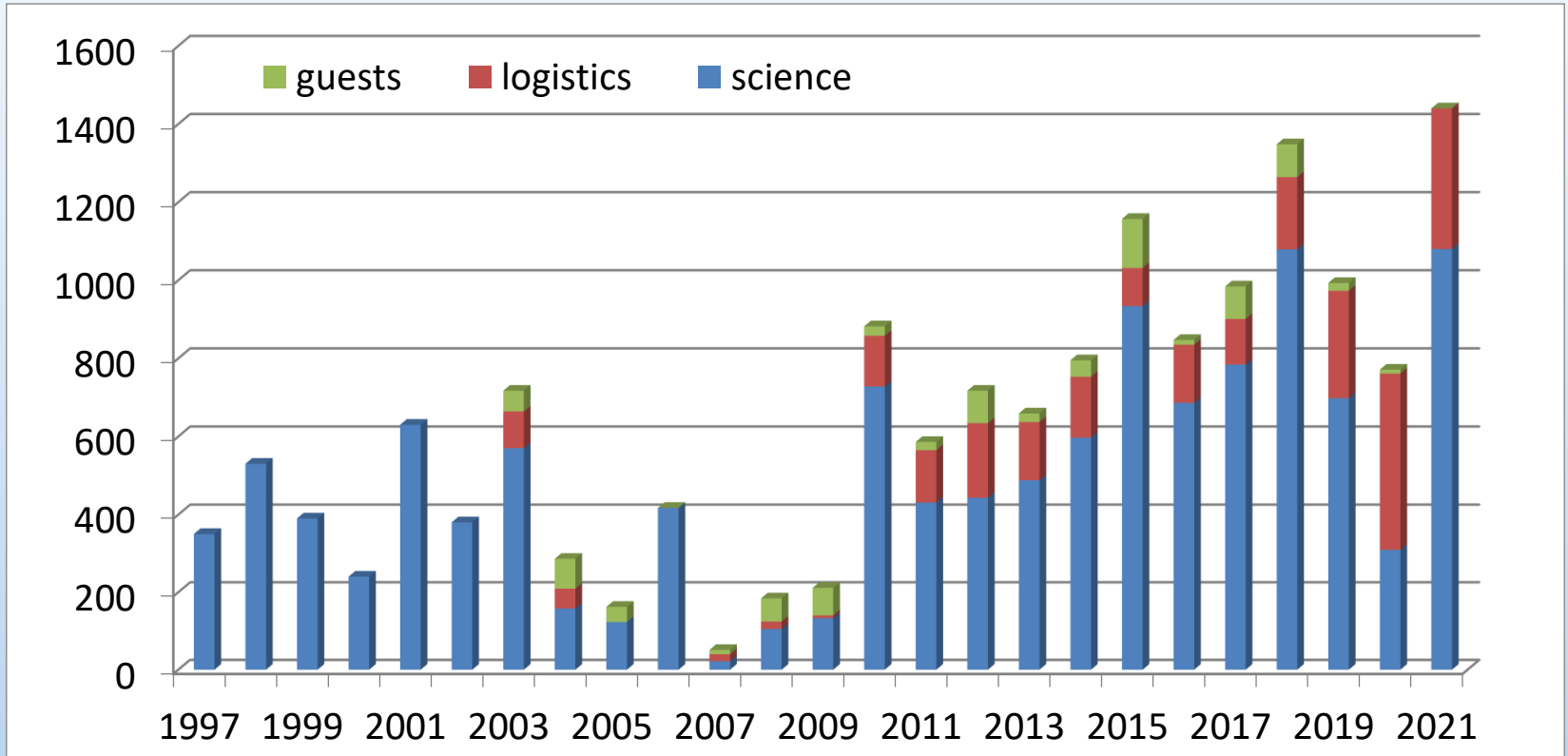
Dirigibile Italia, Ny-Ålesund Research Station (Svalbard)



- Opened in 1997
- Managed by **CNR-ISP**, but hosts researchers from other institutions and universities
- Surface 330 m² with sleeping rooms, offices and laboratories
- Can host up to 7 researchers
- Since 2018 runs **all year round**
- Access through a national call and a peer-review process.
- Participates to **INTERACT** and **SIOS** access programs



Man-days at Dirigibile Italia



More than 30 projects submitted for 2022, **including 3 INTERACT access projects**. We expect a similar number of attendances as in 2021.

Large projects and investments

PRA (Arctic Research Programme) funded by MUR for studies over the Arctic. 3M euro for 3 years (2018-2020)

Extended to 2022: three funded project are ongoing in Ny-Ålesund (hydrology, aerosols, microbiology), one was held in Alaska in Jan 2022 as part of ALPACA (aerosols), another on board R/V Laura Bassi on summer 2021 (marine biology)

Special plan for research infrastructures funded by MUR with 1M euro. We plan to upgrade our existing observation facilities in Ny-Ålesund during 2021-2022.

Infrastructural/instrumental upgrading is ongoing (marine, glaciological and atmospheric domains)

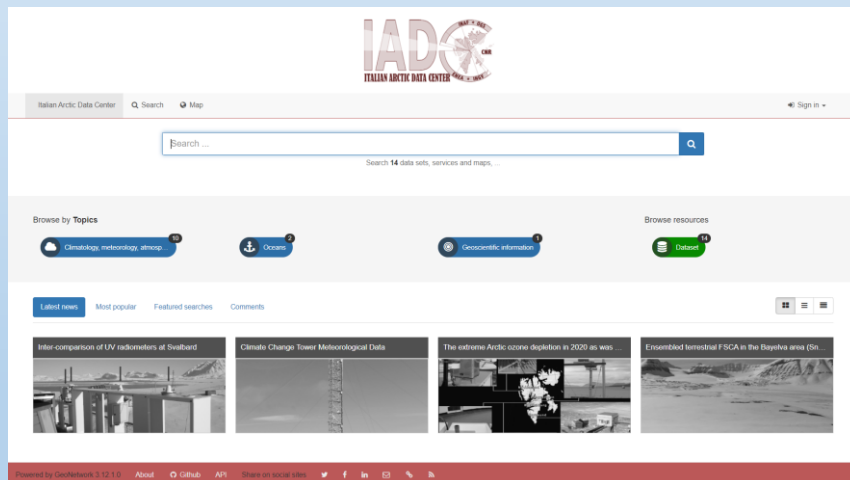


New version of the
Italian Arctic Data Center is
available and slowly populating

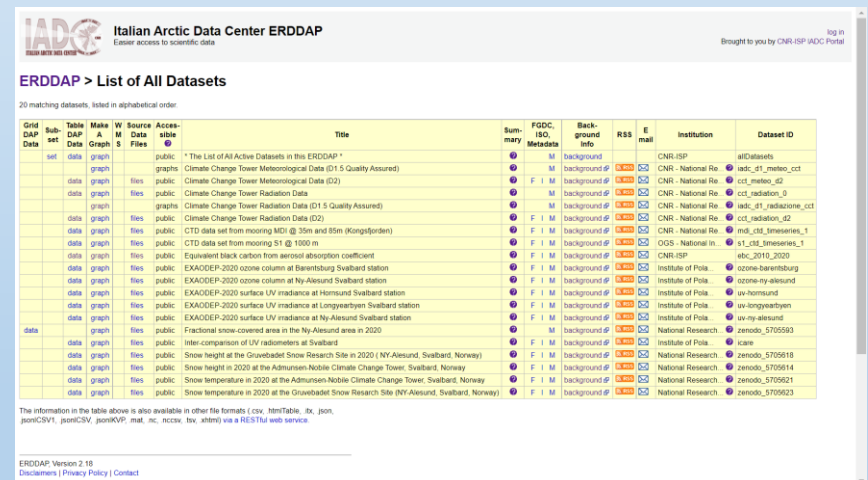
<https://iadc.cnr.it>

Metadata via Geonetwork

Data via ERDDAP



<https://metadata.iadc.cnr.it/>



<https://data.iadc.cnr.it/>

Covid-19 challenges and solutions

C: organization of the campaigns during lockdown

S: took more time, postponement of many activities, support from locals

C: international travelling

S: testing, quarantine, support letters

C: shipping

S: reduced availability of flights, alternative carriers (e.g. tourist boats)

With the increasing of vaccination levels and introduction of digital certification (summer 2021), the restriction to travels were gradually removed.

As a result, we restarted with normal operations. Recently we got some covid positive cases in our staff on the field.

Include processes that were implemented to increase field science during the pandemic (e.g. health management, fewer scientists going into field, use of other resources (local, partners, remote, etc.) – the pandemic has changed the way we do things, how does this affect the future?

- During the first lockdown period we asked support to local personnel (mainly NPI)
- This has made it necessary to prepare or update procedural manuals or translate them in English.
- For the same reason, we have increased the use of video call systems for remote support to the instrumentation.
- Beside the covid pandemic, in 2021 we introduced more accurate medical examinations and first aid course for all the people participating to the field activities to increase everyone's safety

All these changes will be useful in the future to optimize the resources and avoid gaps in the measurements.