



SPACE2CONNECT CONFERENCE

SHAPING THE FUTURE
TOGETHER



AMBITIONS

SESSION 1

How can we empower connectivity for our society, enable new applications and provide essential services to institutions and commercial users?

DAY 1

WEDNESDAY 7th JUNE 2023

AMBITIONS

SESSION 1

INNOVATIVE SERVICES & APPLICATIONS USING SPACE CAPABILITIES



Connectivity challenge and opportunity



SPEAKER

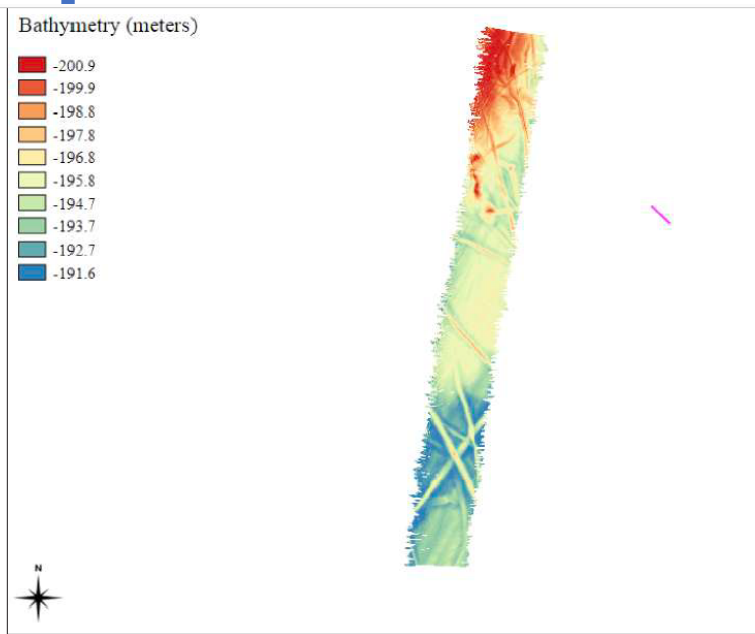
Gianluca Casagrande

Full Professor of Geography,
European University of Rome

Near and Far

What Polarquest2018 taught us

Scientific research in remote environments may see effective cooperation between official scientific institutions and citizen scientists who are closer to the observation areas and can reach them more easily.



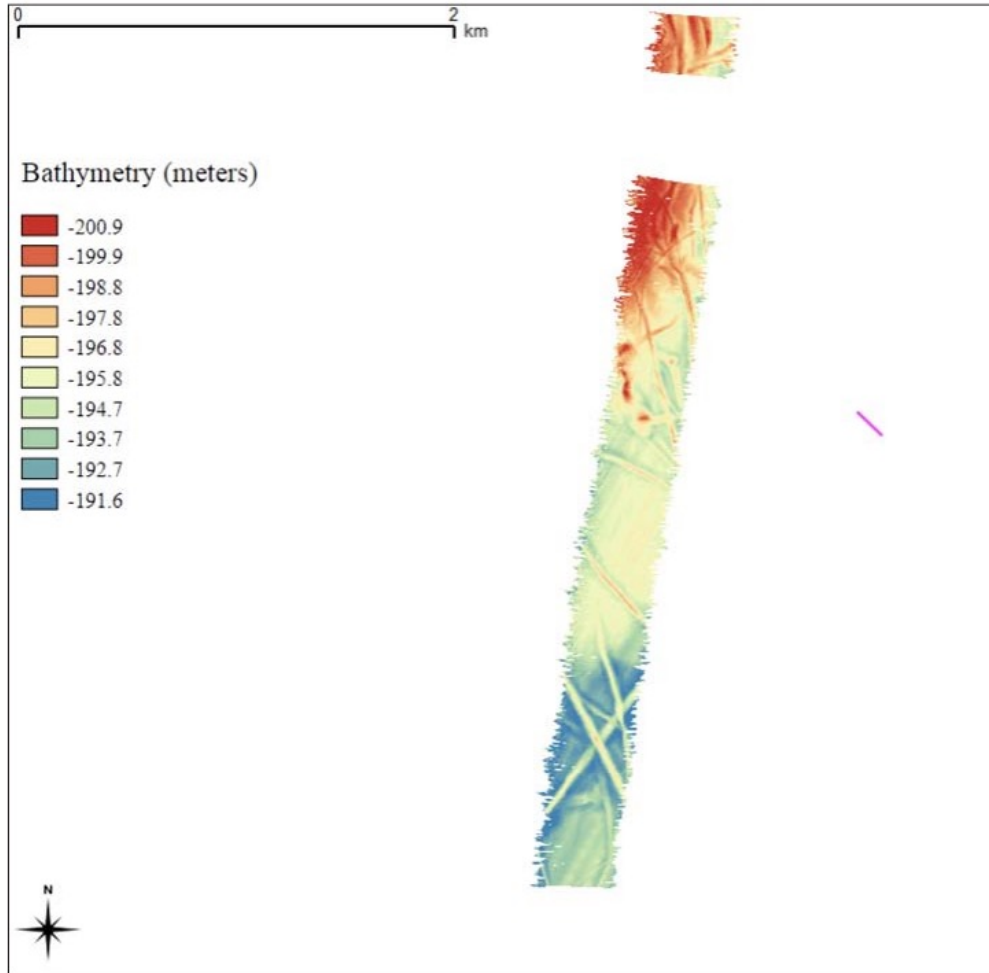


«Alps» or «Himalaya»?

Two complementary philosophies

Lightweight research platforms are not meant to replace the more traditional and consolidated means; rather, they can effectively complement them in some contexts





If you have to **sense and reason** ...but **remotely**

Communication is paramount

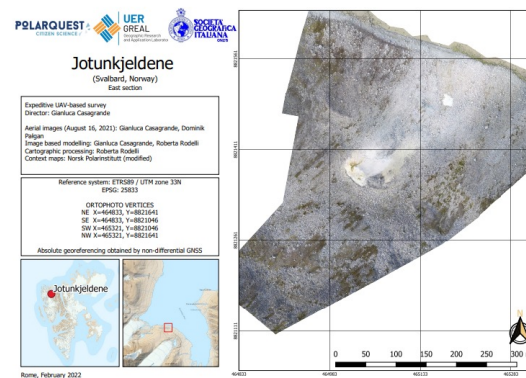
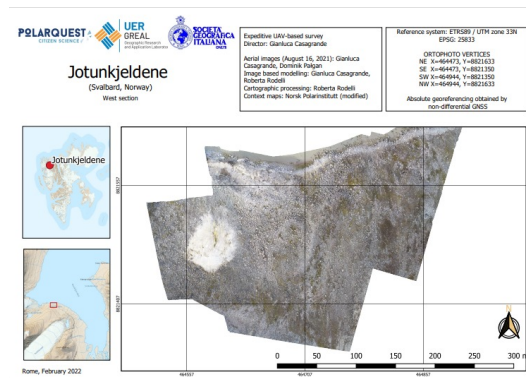
Communication in remote environments is essential for measurements, data transfer and processing in the current framework of many environmental science and geography-related applications.

Common workflows assume the ability of keeping a continuous and intense data exchange. What if this is not always possible?

Then it takes **creativity**.

*In designing your systems, always think
“out of the box”*

*Research implies resilience and flexibility,
including the need of getting your job done
even if you have to work around problems in
unexpected ways*



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Space for Green Ports



SPEAKER

Debora Marullo

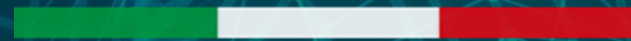
EU Programmes and Innovation Department
of the Port Network Authority of the Ionian Sea
(Port of taranto)

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MATERA
ITALY

7-9 JUNE 2023



PORT NETWORK AUTHORITY OF
IONIAN SEA
PORT OF TARANTO

Debora Marullo
EU Programmes & Innovation
www.port.taranto.it



The impact of satcom technologies on the port environment



Weather
conditions



Building
Monitoring



Big
Data



Port Safety



Environmental
Monitoring



On-going Innovation Projects in Taranto



ESA has also become one of the most prestigious mentors of FAROS, the Maritime Accelerator of the port of Taranto.



PNAIS and DTA cooperates in order to analyse, develop and implement “Urban Air Mobility/ Unmanned Aerial Systems” applications.



PNAIS is part of the consortium related to Lot 1 Coastal and Marine Monitoring, Air Quality, Hydro-Meteorological Climate and Water Management.



PORT NETWORK AUTHORITY OF THE IONIAN SEA
PORT OF TARANTO



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Enabling education through Satcom: bridging gaps for social integration



INTERVIEWEE

Doc. Gabriella Nenna

Director of Cara Restinco-Brindisi, Hera consortium



INTERVIEWEE

Doc. Francesca Carozzo

Intercultural Mediator, Hera consortium



ONE CLASS!

OPEN NETWORK FOR EDUCATION

Moving Class

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INNOVATIVE SERVICES & APPLICATIONS USING SPACE CAPABILITIES



Technological enablers in Satcom: from consolidation to disruption



MODERATOR

Chris Burns

Journalist



Antonio Bartoloni

Director General of "Riconversione industriale e grandi filiere produttive", MISE



Nick Appleyard

Head of Downstream Business Application Department, ESA



Mark McGranaghan

Fellow, Electric Power Research Institute



Natale Lettieri

Chief Transformation Officer, Eutelsat



Anna Masutti

President, Rete Ferroviaria Italiana



Cheryl Hicks

Senior Advisor, CEO Water Mandate



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