

SISMIKO: the operational task force for seismic networks rapid deployments and integration in the INGV monitoring system

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SISMIKO is the operational group within the INGV responsible for deploying a temporary seismic network as a rapid response to significant seismic events [Moretti et al., 2023; <https://sismiko.ingv.it/>]. The purpose of the temporary seismic network is to complement the RSNi (Rete Sismica Nazionale integrata) by reducing the interstation distances of permanent stations, where necessary.

SISMIKO has a distributed structure across various INGV headquarters nationwide and in recent years has equipped itself with a consistent set of around 50 seismo-accelerometric stations and an autonomous acquisition system.

Today, over 100 INGV personnel join SISMIKO group: technicians, technologists and researchers from each of the headquarters distributed across the national territory.

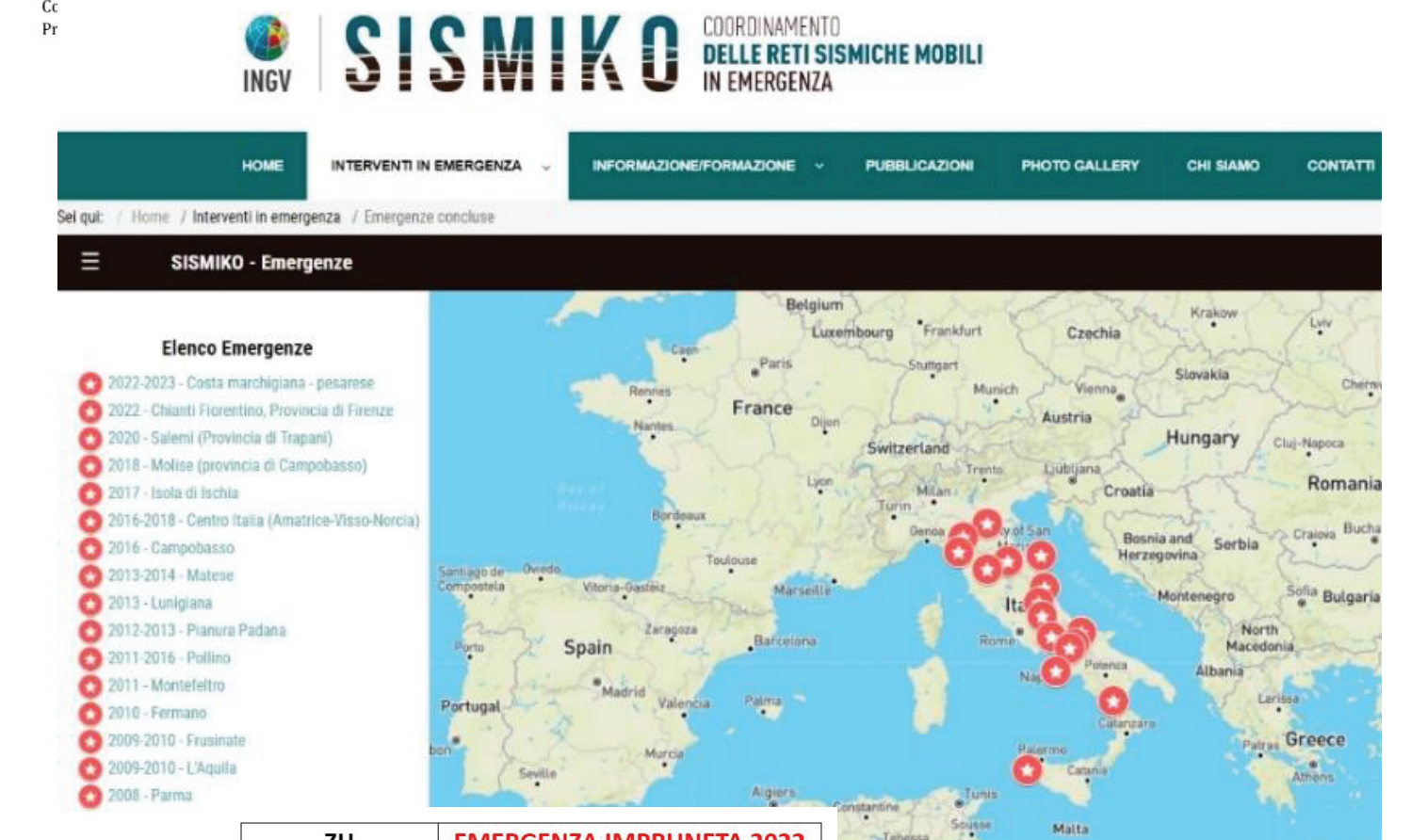
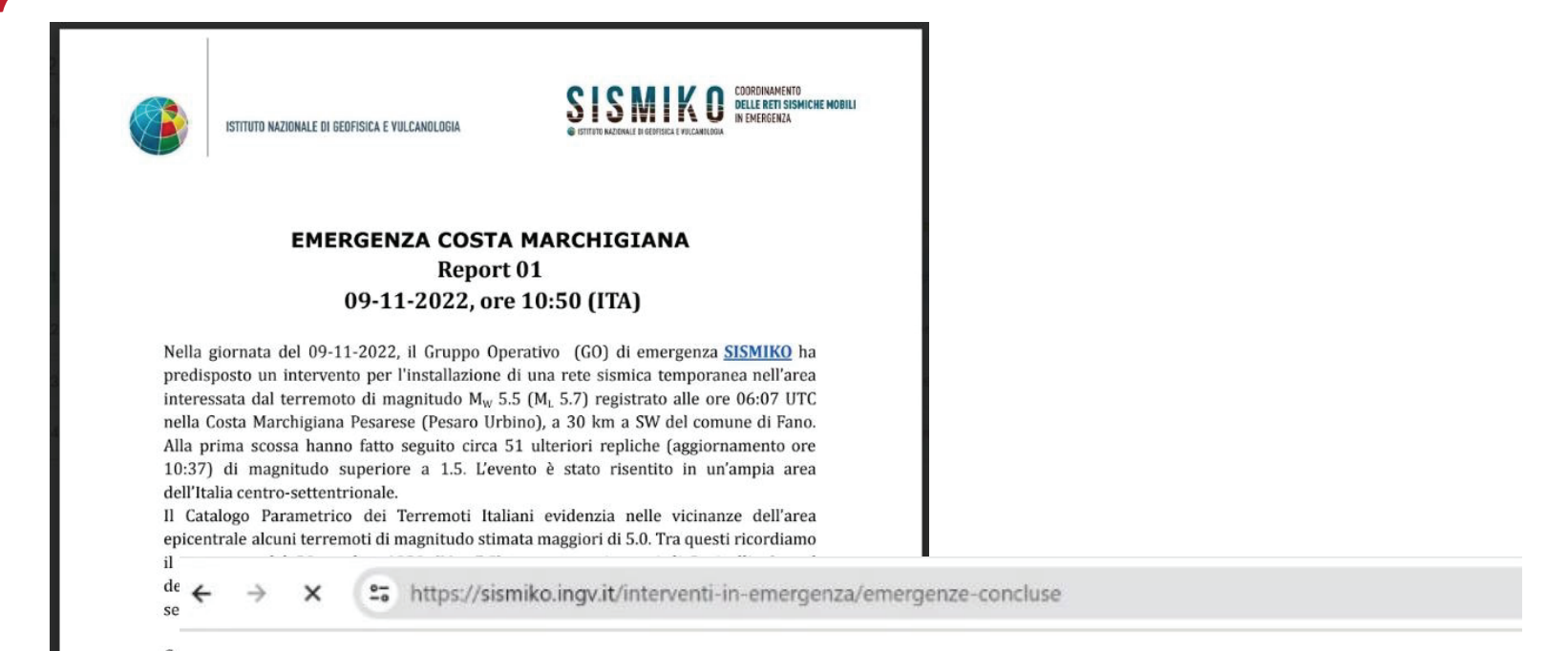
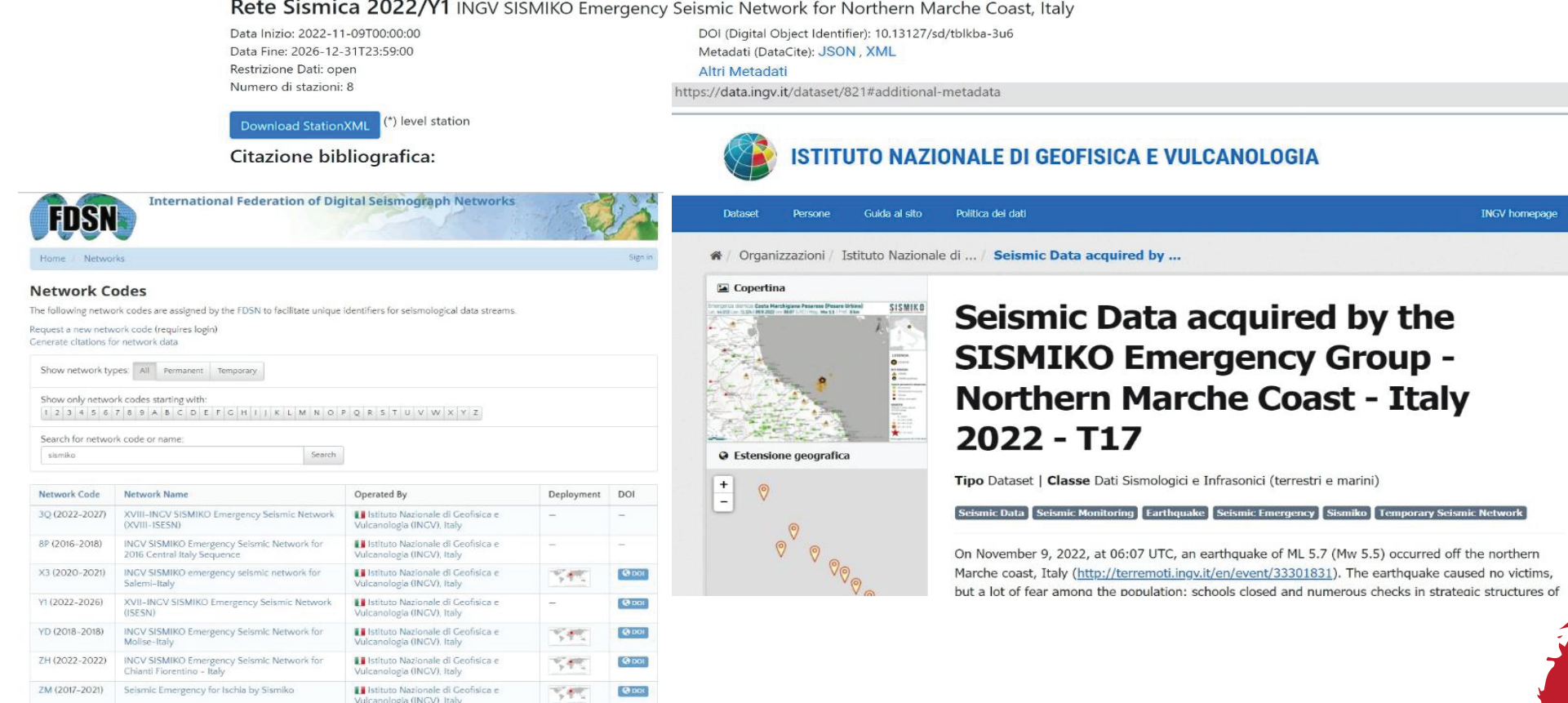


A new configuration in Activity Groups (GdA In Figure) allows to coordinate the distributed personnel and to cover all the aspects in the preparation of the emergency such as the technical management of the instrumentation, the field operations, to maintain contacts with the INGV Crisis Unit and the other Operational Groups and to develop automatic procedures to analyse real time seismic data. Besides the operational aspects, in recent years SISMIKO has actively facilitated the retrieval of continuous data recorded by temporary seismic stations installed during past seismic sequences, such as in L'Aquila 2009, Po Plain 2012, Central Italy 2016 and Pollino 2011. By reconstructing the complete metadata of these stations, it is now possible to share the data with the scientific community through the EIDA portal.

Moretti M. et al (2023). SISMIKO: INGV operational task force for rapid deployment of seismic network during earthquake emergencies. *Front. Earth Sci.* 11.1146579. DOI: 10.3389/feart.2023.1146579.

<https://sismiko.ingv.it/publicazioni>

<https://data.ingv.it/dataset?q=title%3A%28Seismic+Data+acquired+by+the+Emergency+Group%29&ascheck=>



EMERGENZA IMPRINETTA 2022	
INSTALLAZIONE	
Operatore:	Davide Ruggeri - Michele Di Stefano
Coordinate:	43°08'00" N 11°20'00" E
Coordinate GPS (WGS 84):	43.13333333333333 11.33333333333333
Altitudine:	100 (m)
Area:	100 (m²)
Numero:	1
Stato:	100 (m)
Nota:	09/11/2022 09:50 UTC

