

SORVEGLIANZA SISMICA E ALLERTA TSUNAMI

SEISMIC SURVEILLANCE and TSUNAMI WARNING

Exhibit

1 Amato A., Coppotelli A., Nardi A., Pignone M.

2 Costanzo A., La Regina A., Falcone S., Ruffo A.

3 Nostro C., A. Nardi, C. Castellano, A. G. Mandiello, G. Cultrera e il Gruppo per la Formazione Permanente dei Turnisti e dei Funzionari Sismologi e CAT, dei Turnisti Tecnici e dei Reperibili

4 Vitiello L., Romano F., Bruni S., Lorito S., Bernardi F., Vallone R., Tonini R

5 Guglielmi N., Menichetti V., Paolini D., Quintiliani M.

The evolution of the NEAM Tsunami Warning System in the INGVterremoti Story Map

EarthLoCal-ML: a machine-learning framework for automated seismic event location

The Group for the Permanent Training of Seismologist and CAT Shift Workers and Officers, Technical Shift Workers, and On-Call Personnel, ONT-INGV

Software Architecture for Real-Time Processing, Simulation, and Analytical Visualization of Seismic and Tsunami Data

SAVANA - A RESTful interface to GeoServer for on-demand seismic map generation

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6 Bernardi F., Bruni S., Di Benedetto A., Di Stefano A., Lorito S., Piatanesi A., Romano F., Tonini R., Vitiello L., Volpe M.

7 Bernardi F., B. Palombo, I. Carluccio, V. Lauciani

8 Bruni R., A. Di Benedetto, F. Bernardi, V. Lauciani, S. Lorito

9 Cascone V., Bayraktar H.B., Tonini R., Basili R., Lorito S., Romano F., Pagani M., Volpe M., Davies G., Catalán P., De la Asunción M., Castro M.J., Cifuentes Lobos R., Gibbons S. J., Glimsdal S., Jamelot A., Løvholt F., Macías J., Magni V., Murphy S., Rodríguez Gálvez J.F., Sánchez-Linares C., Sverdrup-Thygesen K., Zamora N.

10 Costanza A., Macaluso F., Fertitta G., Coltelli M., Lazzaro D., D'Agostino M., Lorito S., Amato A., Piatanesi A., Bruni S., Romano F., Abbate A., Cascone V., Di Benedetto A.

Towards a new PTF-based Early Warning System for CAT-INGV

Full automatic frequency domain moment tensor inversion at global scale

Overview of Early-Est seismic localization features for Tsunami Early Warning

Towards the Global Tsunami Model Probabilistic Tsunami Hazard Analysis (GTM-PTHA) tool

Deployment of a Multi-Parameter Volcanic Tsunami Monitoring System Offshore Sciara del Fuoco, Stromboli

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13 Lorito S., Romano F., Bayraktar H. B., Kalligeris N., Rodríguez Gálvez J. F., Piccolo A., Atzori S., Piatanesi A., Cascone V., Volpe M., Tonini R., Amati G.

14 Oliveti I., Sbarra P., Faenza L., Tosi P., De Rubeis V., Lauciani V., Michelini A.

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16 Zaccarelli L., Anderlini L., Anselmi M., Braun T., Garcia A., Pezzo G., Saccorotti G. & CMS working group

Deployment of two DART-like buoys for tsunami detection in the Ionian Sea (September 2025)

Interactive Seismic Analysis in a Service-Oriented Architecture: The REI Client for CARAVEL ecosystem

Limited impact of the July 29, 2025 Kamchatka tsunami explained by the complex seismic rupture

Incorporating HSIT data into ShakeMap: a comparative analysis

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20 *BSI Emergency Working Group: Ciaccio M.G., Bagh S., Battelli P., Berardi M., Castello B., Cirella A., Di Stefano R., Herrero A., Improta L., Latorre D., Lauciani V., Lisi A., Lombardi A.M., Maniscalco M., Marchetti A., Mariucci M.T., Mele G., Michele M., Montuori C., Nardi A., Pizzino L., Sgroi T.*

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21 *Calamita C., Pantaleo D., Agostinelli A., Chiaraluce L., Piccinini D.*

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48 Strappaveccia P., Piccinini D., Rao S.

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The new Italian zero-order gravimetric network

Earth Observation satellite data acquisition system based on Open Source components: the Multimission Acquisition SysTem (MAST)

A prototype test and validation bench for seismic sensors

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64 Beccaro L., Bignami C., Tolomei C., Salvi S., Riccardi P., Worrall F., López Saldaña G.

65 Bordoni P., Cara F., Famiani D., Milana G., Vassallo M., Riccio G., Di Giulio G., Pucillo S., Govoni A., Farroni S., Criscuoli F., Giandomenico E., Della Bina E., Bidini C., Braun T.,

66 Cannizzaro I., A. Cratere, A. Carbone, M. A. De Guzman, K. Thangaveld, F. Sarvia, S. Amici, L. Ansalone, M. Picchiani, A. Montuori, D. Spiller

67 Hafize Basak Bayraktar and the GTM PTHA Working Group

68 Latorre D., Lomax A., Herrero A., Margheriti L., Vassallo M., Govoni A.

69 Linsalata F., Puglia R., Massa M., Lovati S., Pischitta M., Costanzo A., Raggiunti M.

70 Naranjo C., Corradini S., Guerrieri L., Merucci L., Stelitano D.

71 Salerno G., Paratore M., Forlenza G., Barsotti S., Michelini A., Carmo R., De Laat J., Domínguez Cerdeña I., Felpeto A., Ferreira T., Guðmundsdóttir L., Óladóttir B., Pacheco J.

ARISTOTLE–ENHSP Earthquake and Tsunami Services: Rapid Multi-Hazard Assessment and Decision Support

Plastic Marine Litter Detection Using High-Resolution SAR Data

The ESA WorldPeatland Project: Understanding Peatlands Surface Motion

Monitoring the Palatino and Circo Massimo archaeological area in Rome with a multi-parameter network

Enhancing PRISMA Second Generation Mission with AI-Driven Onboard Edge Computing for Real-Time Cloud Detection

Optimization of Numerical Simulations for Global Probabilistic Tsunami Hazard Assessment

Hybrid Earthquake Localization: Integrating Linear Fiber-Optic Sensing and Point-Sensor Networks

Numerical analysis of local seismic response of the complex geological setting of the Norcia Basin

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TRAILED-LAB: A Mobile Laboratory for the Characterization of Materials and Structures for the Crater Municipalities



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ANALYSIS and MODELLING of GEOPHYSICAL PHENOMENA

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75 Bagh Samer, Latorre Diana, Improta Luigi, Marchetti Alessandro, De Gori Pasquale, Valoroso Luisa, Lucente Pio, Riccio Gaetano, Pucillo Stefania, Coglianò Rocco.

New insights into the seismotectonics at the junction zone of the central-southern Apennines (Italy) from high-resolution seismological imaging

76 Cuius A., Akinci A., Artale Harris P., Pitarka A., Askan A., Karimzadeh S., Muratoglu G., Hancilar U.

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77 Eva E., Solarino S.

From historical earthquakes to recent seismicity: a comprehensive approach to the seismotectonics of the Lunigiana area, northern Tuscany.

78 Galetto F., Silvestri M., Buongiorno M. F.

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79 Galvani A., Pietrantonio G., Esposito A., Riguzzi F., Sparacino F., Sepe V., Palano M.

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80 Improta L., S. Maraio, F. Villani, A. D'Alessandro, P.P. G. Bruno, V. Sapia, C. A. Brunori, P. M. De Martini, R. Civico, A. Figlioli, S. Bongiovanni, P. Roselli, L. Ruggiero, A. Sciarra, S. Scudero, S. Speciale, S. Pucci

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84 Pecci M., Scalabrini A., Buongiorno M.F., Musacchio M., Silvestri M., Rabuffi F.

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85 Riva F., Marzorati S., Piana Agostinetti N., Latorre D., Marchesini B., Urbani M., Cirilli S., Sørensen B., Barchi M.R.

86 Ruocco V., Puliero S., Atzori S., Tolomei C., Antonioli A., Polcari M., Albano M., Moro M., Stramondo S., Saroli M., Striano P., Monterroso F., Bonano M., Casu F., De Luca C., Lanari R.

87 Scognamiglio L., Petracchini L., Tavani S., Brandano M., Carminati E., Chiarabba C., Conti A., Devoti R., Galli P., Palano M., Pezzo G., Tinti E., Billi A.

88 Silverii F., Klein E., Devoti R., Szeliga W., Michel S., Gualandi A., Trasatti E.

89 Tavani F., Artale Harris P., Scognamiglio L.

90 Trasatti E., Astort A., Polcari M., De Martino P., Caricchi L., Clark J., Del Gaudio C., Beccaro L., Borgstrom S., Acocella V., Magri C., Carlino S., Pivetta T., Riccardi U., Ricco C., Galetto F., Di Vito M.A.

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92 Zullo E., Albano M., Saroli M., Moro M., Testa G., Petitta M., Bonora N., Reimann T., Doglioni C.

Bridging the gap between short-term and long-term scale geological processes

Coseismic Deformation and Fault Modeling of the 2025 Mw 7.7 Myanmar Earthquake Using Multiple SAR Techniques

How Thrust Fault Maturity Controls Rupture Dynamics in the 2022 Adriatic Earthquake

Asymmetric positioning errors in GNSS time series: a study from different world regions

Source Characterization via Deep Learning: Integrating Polarity Prediction and Focal Mechanism Estimation

Defining a 5,000-year-long active plumbing system at Campi Flegrei (Italy) from ground deformation data

Well pressure data: types and applications

How earthquakes reshape carbonate aquifers: Modelling groundwater redistribution in Central Italy after the October 2016, Mw 6.5 Norcia earthquake