

ELENCO dei CONTRIBUTI



INFRASTRUTTURE, BANCHE DATI E LABORATORI | INFRASTRUCTURES, DATA-SHARING AND LABORATORIES

Conveners: Alessandra Esposito, Sandro Rao, Alfonso Mandiello, Milena Moretti

Infrastrutture | Infrastructures

1. ONT IT infrastructure and services

Emiliano Della Bina, Peter Danecek, Stefano Pintore, Massimo Fares, Ivano Carluccio, Diego Franceschi, Michele Maniscalco, Flavia Tavani, Alfonso Giovanni Mandiello

2. Evolution and improvements of the National Seismic Network

Sandro Rao, Catello, Acerra, Augusto Bucci, Carlo Calamita, Antonio Costanzo, Fabio Criscuoli, Antonino D'Alessandro, Roberto D'Anna, Sergio Del Mese, Gaetano De Luca, Pierdomenico Del Gaudio Sergio Falcone, Stefano Farroni, Anna Gervasi, Edoardo Giandomenico, Lucian Giovani, Simone Marzorati, Milena Moretti, Debora Pantaleo, Massimo Pascolini, Giuseppe Passafiume, Massimo Perfetti, Ulderico Piccolini, Leonardo Salvaterra, Salvatore Scudero, Andrea Serratore, Stefano Speciale, Paolo Strappaveccia, Giovanni Vitale

3. Seismic monitoring of central-eastern Italy

Carlo Calamita, Debora Pantaleo, Simone Marzorati, Chiara Ladina, Milena Moretti

4. The technical management of the Central-Eastern Italy seismic monitoring, Ancona headquarter

Debora Pantaleo, Carlo Calamita, Simone Marzorati, Chiara Ladina, Milena Moretti

5. Upgrade of the National Seismic Network in Sicily as part of the PON GRINT Infrastructure project

Antonino D'Alessandro, Roberto D'Anna, Salvatore Scudero, Stefano Speciale, Giovanni Vitale

6. The ONT Mobile Seismic Network for temporary experiments: where are we headed?

COREMO (Commissione Rete Mobile) working group

7. GNSS Survey Networks managed by ONT

Alessandro Galvani, Mirko Iannarelli, Marco Anzidei, Roberto Devoti, Alessandra Esposito, Grazia Pietrantonio, Federica Riguzzi, Vincenzo Sepe, Andrea Terribili

Condivisione dei dati | Data sharing

8. SeiSpark: a computational archive for seismology

Peter Danecek, Stefano Pintore, Massimo Fares, Ivano Carluccio, Diego Franceschi, Michele Maniscalco, Flavia Tavani, Alfonso Mandiello

9. Data dissemination: Real time sharing and EIDA italian node

Ivano Carluccio, Massimo Fares, Emiliano Della Bina, Peter Danecek, Stefano Pintore, Diego Franceschi, Michele Maniscalco, Flavia Tavani, Alfonso Mandiello

10. SISMIKO: Emergency Seismic Data Dissemination and Recovery

Ezio D'Alema, Simone Marzorati, Milena Moretti, Alfonso Giovanni Mandiello, Ivano Carluccio, Mario Locati and SISMIKO Working Group

11. NFO Federated Specific Data Gateway: an innovative portal for advancing multidisciplinary Earthquakes Science

Ivano Matiddi and NFO-FRIDGE Working Group

Laboratori | Laboratories

12. Laboratory of Geophysical and Seismometric Instrumentation

Sandro Rao, Paolo Strappaveccia

13. An overview of the different responses from the National Seismic Network

Flavia Tavani, Massimo Fares, Emiliano Della Bina, Ivano Carluccio, Diego Franceschi, Michele Maniscalco, Peter Danecek, Stefano Pintore, Alfonso Mandiello

14. Data Ingestion: acquisition system at ONT

Diego Franceschi, Ivano Carluccio, Emiliano Della Bina, Peter Danecek, Stefano Pintore, Massimo Fares, Michele Maniscalco, Flavia Tavani, Alfonso Mandiello

15. Seismic Data Life Cycle

Massimo Fares, Ivano Carluccio, Emiliano Della Bina, Peter Danecek, Stefano Pintore, Diego Franceschi, Michele Maniscalco, Flavia Tavani, Alfonso Mandiello

16. Data Curation: toward FAIR data

Massimo Fares, Diego Franceschi, Ivano Carluccio, Emiliano Della Bina, Peter Danecek, Stefano Pintore, Michele Maniscalco, Flavia Tavani, Alfonso Mandiello

17. Thematic Core Service TSUNAMI (TCS TSU) in the pan-European research infrastructure EPOS, European Plate Observing System

Silvia Filosa, Stefano Lorito, Roberto Basili, Beatriz Brizuela, Sergio Bruni, Fabrizio Romano, Roberto Vallone, Manuela Volpe and TCS Tsunami

18. PRECISE: PRobabilistic Earthquake location Catalog of the Italian SEismicity in 3D tomographic models and 1D regional velocity models

Diana Latorre and Raffaele Di Stefano

19. PRECISE: Probabilistic 1D and 3D real-time automatic location of the Italian seismicity with INGV monitoring room data: the “NLL@INGV” procedure

Raffaele Di Stefano and Diana Latorre

20. Analysis of full-GNSS observations by comparing different choke-ring antennas: LEIAT vs TRM

Roberto Devoti, Mirko Iannarelli, Grazia Pietrantonio, Andrea Terribili

EXHIBIT

21. GAIA IV: the new version of the INGV seismic data logger

Leonardo Salvaterra, Sandro Rao, Catello Acerra, Massimiliano Vallocchia, Massimo Perfetti, Ulderico Piccolini, Fabio Criscuoli, Augusto Bucci, Paolo Strappaveccia, Carlo Salvaterra

22. MAST satellite Multimission Acquisition System for Earth Observation at INGV Rome headquarter

Dario Stelitano, Luca Merucci, Stefano Corradini, Pietro Ficeli, Francesco Zanolin, Lorenzo Guerrieri

23. Italian Seismic Bulletin (BSI) working group: new web site and data dissemination strategies

Barbara Castello, Patrizia Battelli, Michele Maniscalco, Ivano Carluccio, Emiliano Della Bina, Valentino Lauciani, Raffaele Di Stefano, Anna Nardi, Alessandro Marchetti, Diana Latorre, Maria Grazia Ciaccio and BSI working group

24. Institutional activities and research projects of the INGV-Rende headquarters

Antonio Costanzo, Pierdomenico Del Gaudio, Sergio Falcone, Daniela Fucilla, Anna Gervasi, Raffaele Giordano

ANALISI, MODELLAZIONE, INTERPRETAZIONE DI FENOMENI GEOFISICI - SISMOLOGICI | ANALYSIS, MODELLING, INTERPRETATION OF GEOPHYSICAL PHENOMENA - SEISMOLOGICAL

Conveners: Christian Bignami, Marco Polcari, Luisa Valoroso

1. **CARS - Catalog of Relative Seismic Locations of 1981-2018 Italian Seismicity**
Maddalena Michele, Raffaele Di Stefano, Lauro Chiaraluce, Diana Latorre, Barbara Castello
2. **A 10-year-long earthquake catalogue of area monitored by The Altotiberina Near Fault Observatory (Northern Apennines, Italy)**
Samer Bagh, Raffaele Di Stefano, Adriano Gualandi, Marco Cattaneo, Debora Pantaleo, Carlo Calamita, Chiara Ladina, Simone Marzorati, Lauro Chiaraluce
3. **The September 18th 2023, Mw 4.9, earthquake in the northern Apennines (Marradi, FI): the work of the BSI on the early days of the seismic sequence**
Arianna Lisi, Luca Arcoraci, Patrizia Battelli, Michele Berardi, Barbara Castello, Diana Latorre, Alessandro Marchetti, Maddalena Michele, Valeria Misiti, Anna Nardi, Davide Piccinini, Antonio Rossi and BSI working group
4. **Twenty Years Of Moment Tensor Solutions For Italy**
Laura Scognamiglio, Elisa Tinti, Matteo Quintiliani
5. **Moment vs local magnitude scaling of small-to-medium earthquakes from seismic moment estimation of 10 years (2009-2018) of Italian seismicity**
Mariano Supino, Lauro Chiaraluce, Raffaele Di Stefano, Maddalena Michele
6. **ML-based workflow for earthquake detection and location. Preliminary results from the northern Apennines**
Giulio Poggiali, Samer Bagh, Lauro Chiaraluce, Chris Marone, Zachary E Ross, Weiqiang Zhu
7. **Vp and Vp/Vs tomographic model of the Fucino fault-controlled basin obtained through a very dense temporary seismic network**
Pasquale De Gori, Luigi Improta, Maurizio Vassallo, Fabrizio Cara, Gaetano De Luca, Alberto Frepoli, Samer Bagh, Luisa Valoroso
8. **Technical-scientific activities and products relating to the agreement between INGV - Ancona and the Marche Region**
Chiara Ladina, Simone Marzorati, Milena Moretti, Debora Pantaleo, Carlo Calamita, Viviana Castelli
9. **Hydraulic pressure measurements at Gran Sasso aquifer vs. earthquakes in central Italy**
Gaetano De Luca, Giuseppe Di Carlo, Marco Tallini
10. **Broadband Ground Motion Simulations of $M \geq 6.0$ Earthquakes in Central Italy using a Frequency-Wavenumber Approach**
Pietro Artale Harris, Arben Pitarka, Aybige Akinci
11. **Centroid Moment Tensor computation: inversion based on a 3D velocity model**
Pietro Artale Harris, Laura Scognamiglio, Federica Magnoni, Emanuele Casarotti, Elisa Tinti
12. **High-resolution imaging of the deep structure of Italy through SKS anisotropy tomography**
Paola Baccheschi, Judith M. Confal, Silvia Pondrelli, Manuele Faccenda, Brandon P. VanderBeek, Zhouchuan Huang

- 13. Earthquake Detection and Phase Picking using Deep Learning method: a case study on local events (Groningen Region, Netherlands)**
Andrea Di Benedetto, Luca Trani, Andrea Pagani, Giosuè Lo Bosco, Antonino D'Alessandro
- 14. Joint inversion of Geodetic and Strong Motion data for the 2012 Emilia mainshocks: source models and seismotectonic interpretation**
Luigi Improta, Antonella Cirella, Giuseppe Pezzo, Irene Molinari, Alessio Piatanesi
- 15. Preliminary results of QuakeFlow application: the case of L'Aquila 2009 seismic sequence**
Rossella Fonzetti, Luisa Valoroso, Matteo Bagagli, Pasquale De Gori, Aladino Govoni, Claudio Chiarabba
- 16. Seismogenic Fault Structures of the Lake Pertusillo Reservoir Induced Seismicity (Southern Italy) Using a Relocated Template-Matching Catalog**
Luisa Valoroso, Davide Piccinini, Luigi Improta
- 17. Tsunamigenic Source Inversion**
Fabrizio Romano, Stefano Lorito, Alessio Piatanesi, Manuela Volpe, Roberto Tonini
- 18. Testing tsunami scenarios for hazard forecasting based on complex earthquake slip models**
Hafize Başak Bayraktar, Stefano Lorito, Fabrizio Romano, Manuela Volpe, Alice Abbate, Antonio Scala, Gaetano Festa
- 19. Automatic seismic source modeling of InSAR displacements**
Simone Atzori, Andrea Antonioli, Nikos Svikgas, Fernando Monterroso, Claudio De Luca, Francesco Casu, Michele Manunta, Matteo Quintiliani, Riccardo Lanari
- 20. Geodetic modelling of recent earthquakes in Turkey: from the 2020 Mw 6.8 Elazig earthquake to the 2023 Mw 7.8 Kahramanmaraş seismic sequence**
Daniele Cheloni, Aybige Akinci, Nicola Angelo Famiglietti, Annamaria Vicari
- 21. National and Site-Specific tsunami hazard models based on the regional model NEAMTHM18**
Stefano Lorito, Manuela Volpe, Roberto Tonini, Beatriz Brizuela, Fabrizio Romano, Jacopo Selva, Matteo Taroni, Roberto Basili
- 22. Balancing physical complexity in numerical models and accurate probabilistic assessments for tsunami forecasting**
Alice Abbate, Stefano Lorito, José Manuel González-Vida, Roberto Basili, Lorenzo Bonini
- 23. A Multidisciplinary Approach To Assess The Kinematics Of The Pisciotta Deep-Seated Gravitational Slope Deformation (Southern Italy)**
Matteo Albano, Michele Saroli, Lisa Beccaro, Fawzi Doumaz, Marco Moro, Marco Emanuele Discenza, Luca Del Rio, Matteo Rompato

**ANALISI, MODELLAZIONE, INTERPRETAZIONE DI FENOMENI GEOFISICI -
VULCANOLOGICI | ANALYSIS, MODELLING, INTERPRETATION OF
GEOPHYSICAL PHENOMENA - VOLCANOLOGICAL**

Conveners: Christian Bignami, Marco Polcari, Luisa Valoroso

- 1. Volcanic and Seismic source Modelling (VSM) - An open tool for geodetic data modelling**
Elisa Trasatti
- 2. Post-emplacement dynamics of Mt. Etna Volcano lava flows during the Christmas 2018 eruption unveiled by optical and radar satellite data**
Lisa Beccaro, Matteo Albano, Cristiano Tolomei, Claudia Spinetti, Giuseppe Pezzo, Mimmo Palano, Claudio Chiarabba
- 3. Volcanic clouds characterization of the 2020-2022 sequence of Mt. Etna lava fountains using MSG-SEVIRI and comparison with other products**
Lorenzo Guerrieri, Stefano Corradini, Nicolas Theys, Dario Stelitano, Luca Merucci
- 4. 20 years of geodetic measurements reveal the degassing magma cooling processes under the Ischia resurgent caldera**
Alessandro Galvani, Mirko Iannarelli, Giuseppe Pezzo, Vincenzo Sepe, Guido Ventura

**ANALISI, MODELLAZIONE, INTERPRETAZIONE DI FENOMENI GEOFISICI -
AMBIENTALI | ANALYSIS, MODELING, INTERPRETATION OF GEOPHYSICAL
PHENOMENA - ENVIRONMENTAL**

Conveners: Christian Bignami, Marco Polcari, Luisa Valoroso

- 1. SAR Data for Detecting Landslide Phenomena. The November 26, 2022 Landslide of the Ischia Island (Southern Italy)**
Marco Polcari, Emanuele Ferrentino, Christian Bignami, Sven Borgstrom, Rosa Nappi, Valeria Siniscalchi
- 2. Monitoring of the River Po drought using SAR data**
Emanuele Ferrentino, Matteo Polcari, Francesca Silveri, Christian Bignami, Ferdinando Nunziata, Maurizio Migliacci, Salvatore Stramondo
- 3. GNSS - Interferometric Reflectometry, sea level measurements and spectral artifacts**
Roberto Devoti, Sergio Bruni, Grazia Pietrantonio
- 4. CO2 capture and storage: a current transversal issue that involved ONT**
Mario Anselmi and CCS-team

PROGETTI NAZIONALI E INTERNAZIONALI | NATIONAL AND INTERNATIONAL PROJECTS

Conveners: Christian Bignami, Salvatore Stramondo

1. **Monitoring of different hazards and environmental impact due to heavy industrial activity and natural phenomena through Remote Sensing Data**
Cristiano Tolomei, Christian Bignami, Elisa Trasatti, Guido Ventura, Stefano Salvi
2. **Volcanic and Seismic source Modelling (VSM) - An open tool for geodetic data modelling**
Vito Romaniello, Maria Fabrizia Buongiorno, Malvina Silvestri
3. **Shear waves velocity model of the crust and uppermost mantle in the eastern Alps from Receiver Functions Pseudo-Tomography**
Francesco Pio Lucente, Irene Bianchi, Massimo Di Bona, Carlo Doglioni, Aladino Govoni, Simone Salimbeni, and the AlpArray Working Group
4. **Absolute gravity and deformation measurements for a multi-disciplinary study in central Italy**
Filippo Greco, Giovanna Berrino, Federica Riguzzi, Alfio Amantia, Danilo Contrafatto, Iannarelli Mirko, Angelo Massucci, Giuseppe Ricciardi, Luca Samperi
5. **The first absolute gravity and height reference network in Sicily**
Filippo Greco, Giovanna Berrino, Federica Riguzzi, Augusto Mazzoni, Matteo Amendola, Danilo Contrafatto, Gino Dardanelli, Mauro Lo Brutto, Antonino Maltese, Alfio Alex Messina, Luca Timoteo Mirabella, Giuseppe Ricciardi, Luca Samperi
6. **MARE - (MARine Energy): assessment of energy production potential from marine waves and currents; a case study from Aegadian archipelago**
Antonino D'Alessandro, Roberto D'Anna, Salvatore Scudero, Stefano Speciale, Giovanni Vitale
7. **Recent results from geodynamic and seismotectonic investigations in the western Alps**
Elena Eva, Marco G. Malusà, Stefano Solarino
8. **Earthquake catalog enhancement through template matching: an application to the Southern Apennines (Italy)**
Giovanni Diaferia, Luisa Valoroso, Davide Piccinini, Luigi Improta
9. **The temporary seismic network "FXLand": contribution to the project "Fiber Optic Cable Use For Seafloor Studies Of Earthquake - FOCUS"**
Lucia Margheriti, Milena Moretti, Chastity Aiken, Salvatore Claudio Alparone, Ornella Cocina, Danilo Contrafatto, Antonio Costanzo, Pierdomenico Del Gaudio, Sergio Di Prima, Sergio Falcone, Rocco Lorenzo Festa, Anna Gervasi, Aladino Govoni, Marc-Andre Gutscher, Graziano Larocca, Mario La Rocca, Diana Latorre, Alfonso Giovanni Mandiello, Alessandro Marchetti, Shane Murphy, Anna Nardi, Marina Pastori, Davide Piccinini, Stefano Pintore, Michela Ponte, Salvatore Rapisarda, Luciano Scuderi, Salvatore Stramondo
10. **Stress patterns and crustal anisotropy in the Eastern Alps from seismological and geological observations**
Fabio Villani, Andrea Antonioli, Marina Pastori, Paola Baccheschi, Maria Grazia Ciaccio
11. **Finding a seismic signature of the Morrone Fault: the Majella-Morrone experiment**
Mario Anselmi, Samer Bagh, Claudio Chiarabba, Pasquale De Gori, Rossella Fonzetti, Irene Menichelli, Giuseppe Pezzo, Gilberto Saccorotti, Francesca Silverii

12. The effort of CAT-INGV in EU projects

Stefano Lorito, Manuela Volpe, Fabrizio Romano and the CAT group

13. Deformation of Mefite d'Ansanto area (AV). Further Project

Alessandra Esposito, Fawzi Doumaz, Alessandro Galvani, Mirko Iannarelli, Mimmo Palano, Grazia Pietrantonio, Federica Riguzzi, Sepe Vincenzo, Federica Sparacino, Daniele Trippanera

14. ARISTOTLE - a multi hazard scientific expert assessment service for the EC Emergency Response Coordination Center

Adriano Azzarone, Stefano Carlino, Spina Cianetti, Stefano Corradini, Claudia D'Oriano, Gianfilippo De Astis, Paola Del Carlo, Alessio Di Roberto, Mauro Antonio Di Vito, Licia Faenza, Giovanna Forlenza, Carlo Giunchi, Roberto Isaia, Enrica Marotta, Luca Merucci, Alberto Michelini, Rosella Nave, Ilaria Oliveti, Marco Olivieri, Lucia Pappalardo, Mario Paratore, Massimo Pompilio, Dmitri Rouwet, Emiliano Russo, Giuseppe Salerno, Simona Scollo, Jacopo Selva, Giulia Sgattoni, Letizia Spampinato, Claudia Spinetti

15. INGV-MASE (Ministero dell'Ambiente della Sicurezza Energetica) Research Agreement - Subsidence Project

Francesca Silverii, Matteo Albano, Letizia Anderlini, Giulia Areggi, Roberto Devoti, Thi Dung Vu, Matteo Polcari, Mimmo Palano, Francesco Pintori, Michele Proietto, Enrico Serpelloni, Federica Sparacino, Nikos Svigkas, Elisa Trasatti, Giuseppe Pezzo

EXHIBIT

16. Sea level rise projections up to 2150 in the northern Mediterranean coasts

Antonio Vecchio, Marco Anzidei, Enrico Serpelloni

17. The SAVEMEDCOASTS-2 webGIS: the Online Platform for Relative Sea Level Rise and Storm Surge Scenarios up to 2100 for the Mediterranean Coasts

Antonio Falciano, Marco Anzidei, Michele Greco, Maria Lucia Trivigno, Antonio Vecchio, Charalampos Georgiadis, Petros Patias, Michele Crosetto, Josè Navarro, Enrico Serpelloni, Cristiano Tolomei, Giovanni Martino, Giuseppe Mancino, Francesco Arbia, Christian Bignami, Fawzi Doumaz

18. Relative Sea Level Rise projections and flooding scenarios for 2150 A.D. for the Island of Ustica (Southern Tyrrhenian Sea, Italy)

Daniele Trippanera, Marco Anzidei, Alessandro Bosman, Franco Foresta Martin, Fawzi Doumaz, Antonio Vecchio, Enrico Serpelloni, Tommaso Alberti, Sante Francesco Rende, Michele Greco

19. Project MYBURP: Modulation of hYdrology on stress BUildup on the IRPinia Fault

Nicola D'Agostino, Daniele Cinti, Fausto Grassa, Luigi Improta, Luca Pizzino, Giuseppe Ruzza, Alessandra Sciarra, Stefania Tarantino, Luisa Valoroso, Maurizio Vassallo, Annamaria Vicari, Piero Poli, Gerardo Ventafridda

SOCIETA' - COMUNICAZIONE, DIVULGAZIONE, GESTIONE DELLE EMERGENZE | SOCIETY - COMMUNICATION, DISSEMINATION, EMERGENCY MANAGEMENT

Comunicazione e Disseminazione | Communication and Dissemination

Conveners: Maurizio Pignone, Anna Nardi

- 1. Disseminating knowledge and best practice in low seismicity areas**
Elena Eva, Stefano Solarino
- 2. Longitudinal assessment of tsunami knowledge in an Italian school**
Lorenzo Cugliari, Alessandro Amato, Massimo Crescimbeni
- 3. The social impact of Earthquake Early Warning systems. Testing the survey questionnaire**
Lorenzo Cugliari, Giuseppe Ruzza, Alessandro Amato, Chiara Ladina, Simone Marzorati
- 4. International Training Schools. Past and future activities at ONT and Roma2**
Stefano Corradini, Massimo Musacchio, Claudio Cesaroni
- 5. Paper Volcanoes: laboratory a seven years' journey to engage (pre)scholar children on the wonderment of volcanoes**
Stefania Amici, Barbara Castello, Pasqualino Cappuccio, Concetta Felli, Chiara Ladina, Stefania Lepidi, Vincenza Maiolino, Chiara Montagna, Loredana Napoli, Giovanna Lucia Piangiamore, Donatella Pietrangeli, Diego Sorrentino, Sabina Spadoni, Francesca Di Laura, Daniela Riposati
- 6. The ONT's contribution to the Collane Editoriali INGV**
Milena Moretti, Christian Bignami, Lorenzo Cugliari, Anna Nardi and Editorial office of "Collane Editoriali INGV"

EXHIBIT

- 7. Real-time seismicity dashboards**
Maurizio Pignone, Sergio Falcone, Raffaele Moschillo
- 8. Earthquake and tsunami stories**
Maurizio Pignone, Anna Nardi, Maria Di Nezza, Carlo Meletti, Raffaele Moschillo, Alessandro Amato, Silvia Filosa, Laura Graziani, Lorenzo Cugliari
- 9. The earthquake calendar**
Maurizio Pignone, Sergio Falcone, Anna Nardi
- 10. Tsunami Ready in Italy. A programme to mitigate tsunami risk**
Alessandro Amato, Lorenzo Cugliari, Silvia Filosa, Laura Graziani, Fabrizio Romano, Cecilia Valbonesi, Maurizio Pignone
- 11. A website concept for navigating into the earthquakes parameters**
Giorgio Maria De Santis
- 12. 4 years of virtual reality at the ONT**
Valerio Lombardo

Gestione delle emergenze | Emergency Management

Conveners: Milena Moretti, Concetta Nostro

13. The INGVterremoti Rapid Mapping Service

Maurizio Pignone, Sergio Falcone, LabGIS Digital Earth RomaTre

14. Seismic emergencies and INGV operational task force

Raffaele Azzaro, Fabrizio Cara, Ezio D'Alema, Paolo Marco De Martini, Giuseppe Di Giulio, Emanuela Ercolani, Laura Graziani, Milena Moretti, Concetta Nostro, Davide Piccinini, Pucci Stefano

15. SISMIKO: INGV operational task force for seismic network rapid deployments

Davide Piccinini, Ezio D'Alema, Milena Moretti and SISMIKO Coordination Group

SERVIZI DI SORVEGLIANZA SISMICA E ALLERTA TSUNAMI | SEISMIC SURVEILLANCE AND TSUNAMI WARNING

Conveners: Concetta Nostro, Laura Scognamiglio, Alessio Piatanesi

- 1. Italian 24/7 real-time earthquakes and tsunamis monitoring system**
Salvatore Stramondo, Lucia Margheriti, Laura Scognamiglio, Alessio Piatanesi, Concetta Nostro, Alessandro Amato and Sala Operativa working group
- 2. CaravelDB: a specific relational database model for seismic parametric data, geospatial information and communication services**
Matteo Quintiliani
- 3. SeisPressNG: a system for publishing and disseminating information relating to seismic events in near real time**
Matteo Quintiliani
- 4. Earthworm-Docker-Sandbox: a Docker tool for learning, testing, running and developing Earthworm System within single or multiple enclosed environments**
Matteo Quintiliani
- 5. Testing the Probabilistic Tsunami Forecasting**
Valeria Cascone, Stefano Lorito, Alice Abbate, Basak Bayraktar, Fabrizio Bernardi, Sergio Bruni, Louise Cordrie, Andrea Di Benedetto, Alessio Piatanesi, Fabrizio Romano, Jacopo Selva, Matteo Taroni, Roberto Tonini, Manuela Volpe
- 6. Sea-level data acquisition**
Sergio Bruni, Fabrizio Bernardi

EXHIBIT

- 7. Ten Years of Tsunami Risk Mitigation in the Mediterranean: Hazard Assessment, Warning and Mitigation Strategy of the INGV Tsunami Alert Center**
Alessandro Amato and CAT Team
- 8. The activities carried out by the Support Service in the management of Seismic Surveillance and Tsunami Warning Services from 2015 to the present**
Concetta Nostro, Anna Nardi, Eleonora Ruotolo, Lucia Margheriti, Alessio Piatanesi, Laura Graziani, Vincenzo Pirro, Alfonso Giovanni Mandiello, Sandro Rao, Laura Scognamiglio, Pietro Ficeli and Servizio di Supporto nella Gestione dei Servizi di Sorveglianza Sismica e di Allerta Tsunami
- 9. The Permanent Training of Seismologists and CAT Shift Workers and Officials, Technical Shift Workers, and On-Call Personnel of the ONT-Rome Center**
Concetta Nostro, Anna Nardi, Lucia Margheriti, Luca Pizzino, Alessio Piatanesi, Laura Graziani, Alfonso Giovanni Mandiello, Sandro Rao, Laura Scognamiglio, e il Gruppo per la Formazione Permanente dei Turnisti e Funzionari Sismologi e CAT, Turnisti Tecnici, Reperibili
- 10. Introducing PFX: A new multiplatform tool for interactive seismic signal analysis**
Andrea Bono
- 11. Dante: A robust Web Service for seismic data evaluation and accessibility through a microservices approach**
Valentino Lauciani
- 12. Apollo: An OpenAPI-based Web Service for Seismic Localization and Magnitude Calculation**
Valentino Lauciani