



Scientific Program



2023 CONFERENCE

Tuesday, February 7th

Room B

▼ Session S1.2

▼ Session S1.1

Room A

▼ Session S2.1

▼ Session S2.3

Room C

▼ Session S1.3

▼ Session S3.1





Room B

▼ Session S1.1

Room A

▼ Session S2.2

Room C

▼ Session S3.3

2023 CONFERENCE

Thursday, February 9th

Room B

▼ Session S1.1

Room A





▼ Session S3.2

2023 CONFERENCE
Special events

UGI Assembly

Tuesday February 7th, h 17:30 a.m. | Room D

General Assembly

Wednesday February 8th, h 11:00 a.m. | Room A

Workshop

EPOS-Italy: Italian research in support of EPOS

Wednesday February 8th, h 5:30 p.m. | Room A

Key Lecture

Giorgio Spada

*Understanding sea-level rise during the last centuries and millennia:
regional and global interactions between the cryosphere, the oceans, and the
solid Earth*



Assembly Italian Section EAGE-SEG

22nd National Conference of the Italian Section EAGE-SEG

Thursday February 9th, h 4.00 p.m. | Room A

Challenge Bowl

Thursday February 9th, h 5.30 p.m. | Room A

2023 CONFERENCE

POSTER

The posters will be displayed during three poster sessions:

- Tuesday February 7th | 15.30-16.15
- Wednesday February 8th | 15.30-16.15
- Thursday February 9th | 10.45-11.30

Topic 1

▲ Session S1.1

Recent advances in the study of earthquakes, seismogenic structures and capable faults





and Monte Argentario promontory

M. Buttinelli, F. Mazzarini, G. Musumeci, R. Maffucci, I. Cavirani, P. Diviaco

A reviewed model of the 1997 Umbria-Marche seismic sequence in light of more than 20 years of new seismological and subsurface data

M. Buttinelli, F.E. Maesano, M. Anselmi

Which faults are active in Val d'Agri (Basilicata, southern Apennines, Italy)? A multidisciplinary approach gives new insights into the shallow structural setting

M. Caciagli, T. Braun, M. Buttinelli, F. Cinti, S. Danesi, P.M. De Martini, M. Errico, D. Famiani, R. Maffucci, V. Materni, D. Pantosti, S. Pucci, S. Salimbeni, V. Sapia

Earthquake Early Warning system: case of the 2022 Marche sequence

S. Carannante, C. Ladina

A multidisciplinary approach to building a 3D lithospheric model of the Sicily Channel

A. Carollo, A. Sulli, M. Gasparo Morticelli

Analysis of recent seismic swarms in the Calabrian Arc

G. D. Chiappetta, A. Gervasi, M. Ponte, M. La Rocca

Multiscale approach to recognize seismogenic faults in offshore areas: the case of Squillace Basin (Offshore Calabria, Italy)

M. Corradino, D. Morelli, S. Ceramicola, L. Scarfi, G. Barberi, C. Monaco, F. Pepe

Tonga-Kermadec subduction zone: comparison between June 15 2019 M7.2 Kermadec Islands (New Zealand) earthquake and January 15 2022 Hunga Tonga-Hunga Ha'apai eruption

D'Arcangelo S., Bonforte A., Calcara M., Campuzano S.A., Cianchini G., De Caro M., De Santis A., Di Mauro D., Fidani C., Lepidi S., Maugeri R., Nardi A., Orlando M., Perrone L., Piscini A., Regi M., Sabbagh D., Soldani M.

Active morphotectonic evidence in the Tirana area (NW Albania)

P. Di Manna, L. Piccardi, E. Vittori, A. M. Blumetti, V. Comerci, D. Gega, I. Hoxha, P. Naço





A.Figlioli¹, A.D'Alessandro², R.Martorana¹, A.Sulli¹, G.Vitale²

Insights on the (in)activity of the western Crati fault (Calabria)

P. Galli, F. Muto, G. Naso, E. Peronace, G. Robustelli

Geophysics and Geomatics to characterize the Geological structures, its activity and its related hazard in the Granada Basin, Spain: the 3G project

L. Galone, E. Colica, J. Galindo-Zaldívar, A. Madarieta-Txurruka, L. González-Castillo, F. Villani, S. D'Amico

Seismological characteristics of the Apennines external compressive thrust front: seismicity analysis in the Marche region (central-northern Italy)

D. Maceroni, S. Marzorati, V. Castelli and C. Ladina

CFM: a Convolutional network for First Motion polarity classification of earthquake waveforms

G. Messuti, S. Scarpetta, O. Amoroso, F. Napolitano, P. Capuano

The 19 September 2022, Michoacan earthquake (Mw 7.6): a case study for the observation of Environmental effects triggered (EEEs) and application of the ESI-07 scale

E. Muccignato, M. M. Velázquez Bucio, M. F. Ferrario, P. Lacan, M. Pizza, A. Sridharan, S. Gopalan, A. M. Michetti, S. Porfido

Absolute gravity and deformation measurements for a multi-disciplinary study in Central Italy

F. Greco, G. Berrino, F. Riguzzi, A. Amantia, D. Contrafatto, M. Iannarelli, A. Massucci, G. Ricciardi, L. Samperi

The first absolute gravity and height reference network in Sicily

F. Greco, G. Berrino, F. Riguzzi, A. Mazzoni, M. Amendola, D. Contrafatto, G. Dardanelli, M. Lo Brutto, A. Maltese, A. Messina, L. Mirabella, G. Ricciardi, L. Samperi

Waveform modeling of moderate earthquakes to improve the comprehension of the seismic structure beneath the southern Apennines

^A. Scarponi, F. Di Luccio, C. Piromallo





Imaging of seismic sources by surface-wave time-reversal: long-period earthquakes

Apsara Sharma Dhakal

Crustal structure and discontinuities beneath the Nepal Himalaya using seismic ambient noise and teleseismic P wave coda autocorrelation

Hari Ram Thapa, Surya Pachhai, Abdelkrim Aoudia, Daniel Manu-Marfo, Keith Priestley, Supriyo Mitra

∨ Session S1.2

∨ Session S1.3

Topic 2

∨ Session S2.1

∨ Session S2.2

∨ Session S2.3

Topic 3

∨ Session S3.1

∨ Session S3.2

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**Gruppo Nazionale di Geofisica
della Terra Solida
National Group for Solid Earth Geophysics**

Contacts

secretary_gngts@ogs.it

National Institute of Oceanography and Applied Geophysics - OGS

Via
Borgo Grotta Gigante 42/C





Fax.+39 040 327307

C.F./P.IVA : 00055590327

Posta Elettronica Certificata: ogs@pec.it

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