ESC 2021 - STATISTICS

PROGRAMME

INVITED & ORAL PRESENTATIONS

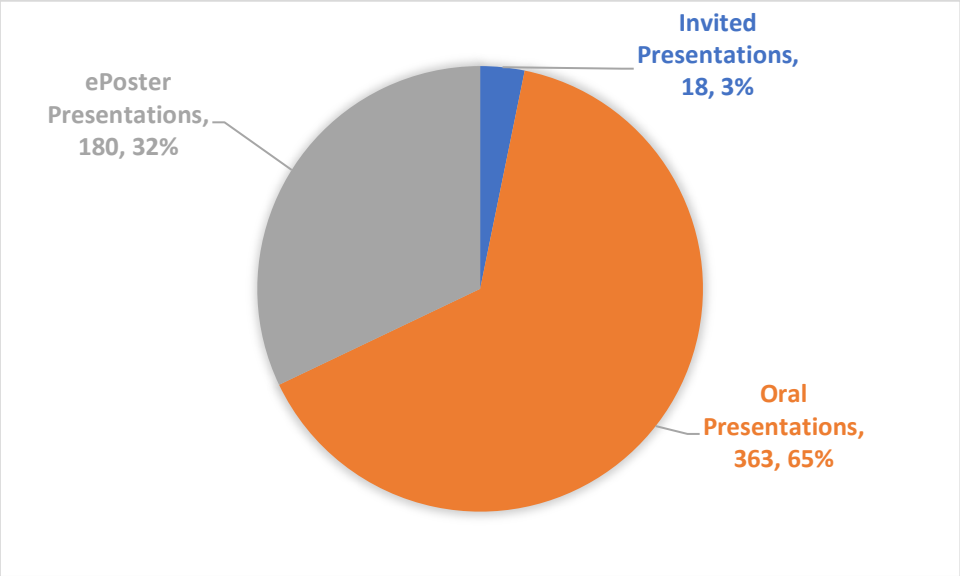
SESSIONS	Programme Slots	Invited	Oral	Total
Session 01: Machine learning solutions to seismic problems: Join Session ESC-SSA	5	1	19	**20**
Session 02: Open and FAIR seismology - Consequences, challenges and opportunities	1		5	**5**
Session 03: Challenges due to massive generation of seismic data. Large-N experiments, fiber optic cables, and how users, data centres and applications will cope with data in the near future	1		2	**2**
Session 04: The cycle of observational seismology from Waveform Data Collection to scientific products	2		9	**9**
Session 05: The structure of the central Mediterranean: insights from seismological and geophysical data	2	2	6	**8**
Session 06: Bringing seismological issues to the public: a way to foster seismic risk best practice	2		7	**7**
Session 07: Seismicity and Seismotectonics in Central and Eastern Europe	3		12	**12**
Session 08: Seismic arrival time determination: The reliability of established and innovative automatic picking techniques compared to manual picking	2	1	5	**6**
Session 09: Advancing the (Re)use and preservation of Analog Seismic Data	1		2	**2**
Session 10: Seismic anisotropy and shear-wave splitting: achievements and perspectives	4	3	12	**15**
Session 11: From school seismology to citizen science	3		13	**13**
Session 12: Seismological and structural studies in Polar Regions and the cryosphere	4	2	10	**12**
Session 13: Seismological and geophysical imaging of shallow geological structures at different scales: challenges and perspectives	3		12	**12**
Session 14: Imaging and modeling 3D fault complexities in FAULT2SHA	2	1	5	**6**
Session 15: Earthquake hazard assessment towards seismic risk mitigation in Urban Areas	5		25	**25**
Session 16: Advances in models, observations and verification towards operational earthquake forecasting	3		12	**12**
Session 17: Crowdsourcing and macroseismology: reliability, applicaYons and developments	3		10	**10**
Session 18: Towards operational forecasting of earthquakes and early warning capacity for more resilient societies	6	1	28	**29**
Session 19: Physics of earthquakes and seismic sources	3	2	11	**13**
Session 20: New seismological workflows: from event detection to earthquake forecasting	1		2	**2**
Session 21: Physics of earthquake preparation process: from laboratory experiments to earthquake forecast	3		9	**9**
Session 22: The 2020 European seismic hazard and risk model: new developments and future directions for seismic hazard and risk assessment in Europe	2		10	**10**
Session 23: Swarm-like and earthquake sequences driven by local transients in tectonic and volcanic areas	3		15	**15**
Session 24: Physical and statistical models and pattern recognition techniques applied to foreshocks, aftershocks and multiplets at different scales, from laboratory experiments to real-scale observations	1		3	**3**
Session 25: Research on array seismology and earthquake mechanisms at seismic experimental sites	1		3	**3**
Session 26: Seismicity and geodynamics in Corinth Gulf and other Near Fault Observatories	3	2	7	**9**
Session 27: Networks and open data in seismology the example of HELPOS: Hellenic plate observing system	3		9	**9**
Session 28/35: Tsunamis and fast seismo-geodetic rupture inversion in Europe and worldwide: Observations, theory and numerical analyses for hazard and risk assessment	4		13	**13**

SESSIONS	Programme Slots	Invited	Oral	Total
Session 29: GNSS/InSAR inputs for geodynamic modeling, tectonic strain and seismic hazard in the Mediterranean	3	1	7	**8**
Session 30: New challenges for urban engineering seismology	4		16	**16**
Session 31: When science meets industry: Advances in engineering seismology stemming from practice	6	2	19	**21**
Session 32: Induced seismicity: observations, modelling, monitoring, discrimination and risk management strategies	2		7	**7**
Session 33: Advances in single staFon and array methods for subsurface characterizaFon onshore and offshore	2		11	**11**
Session 34: Earthquake Induced Landslides: from triggering to stabilization, methods and techniques of monitoring	1		4	**4**
Session 36: Functionality of seismometer and accelerometer in ground-motion recording	1		1	**1**
Session 37: Historical earthquake data in seismology practice	2		10	**10**
Session 38: General Seismology - Recent strong earthquakes	4		12	**12**
TOTAL	**101**	**18**	**363**	**381**

POSTER PRESENTATIONS

POSTER SESSIONS		Posters
POSTER SESSION I	**Session 02**: Open and FAIR seismology - Consequences, challenges and opportunities	1
	Session 03: Challenges due to massive generation of seismic data. Large-N experiments, fiber optic cables, and how users, data centres and applications will cope with data in the near future	1
	Session 28/35: Tsunamis and fast seismo-geodetic rupture inversion in Europe and worldwide: Observations, theory and numerical analyses for hazard and risk assessment	1
	Session 36: Functionality of seismometer and accelerometer in ground-motion recording	1
	Session 12: Seismological and structural studies in Polar Regions and the cryosphere	7
POSTER SESSION II	**Session 07:** Seismicity and Seismotectonics in Central and Eastern Europe	11
	Session 08: Seismic arrival time determination: The reliability of established and innovative automatic picking techniques compared to manual picking	1
	Session 10: Seismic anisotropy and shear-wave splitting: achievements and perspectives	8
	Session 13: Seismological and geophysical imaging of shallow geological structures at different scales: challenges and perspectives	8
	Session 18: Towards operational forecasting of earthquakes and early warning capacity for more resilient societies	8
	Session 30: New challenges for urban engineering seismology	4
POSTER SESSION III	**Session 01:** Machine learning solutions to seismic problems: Join Session ESC-SSA	3
	Session 04: The cycle of observational seismology from Waveform Data Collection to scientific products	8
	Session 15: Earthquake hazard assessment towards seismic risk mitigation in Urban Areas	10
	Session 19: Physics of earthquakes and seismic sources	4
	Session 23: Swarm-like and earthquake sequences driven by local transients in tectonic and volcanic areas	6
	Session 24: Physical and statistical models and pattern recognition techniques applied to foreshocks, aftershocks and multiplets at different scales, from laboratory experiments to real-scale observations	7
	Session 25: Research on array seismology and earthquake mechanisms at seismic experimental sites	5
	Session 32: Induced seismicity: observations, modelling, monitoring, discrimination and risk management strategies	3
POSTER SESSION IV	**Session 05:** The structure of the central Mediterranean: insights from seismological and geophysical data	6
	Session 09: Advancing the (Re)use and preservation of Analog Seismic Data	7
	Session 16: Advances in models, observations and verification towards operational earthquake forecasting	3
	Session 17: Crowdsourcing and macroseismology: reliability, applicaYons and developments	6

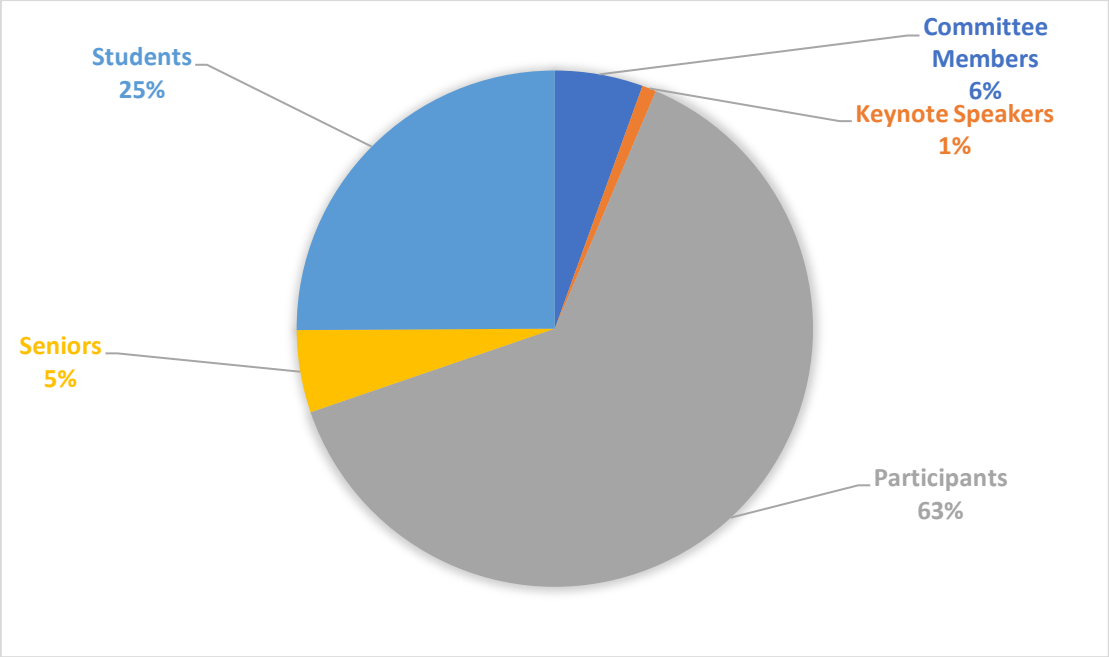
POSTER SESSIONS		Posters
	Session 22: The 2020 European seismic hazard and risk model: new developments and future directions for seismic hazard and risk assessment in Europe	8
	Session 26: Seismicity and geodynamics in Corinth Gulf and other Near Fault Observatories	5
	Session 33: Advances in single staFon and array methods for subsurface characterizaFon onshore and offshore	3
	Session 37: Historical earthquake data in seismology practice	6
POSTER SESSION V	**Session 06:** Bringing seismological issues to the public: a way to foster seismic risk best practice	2
	Session 14: Imaging and modeling 3D fault complexities in FAULT2SHA	4
	Session 21: Physics of earthquake preparation process: from laboratory experiments to earthquake forecast	8
	Session 27: Networks and open data in seismology the example of HELPOS: Hellenic plate observing system	7
	Session 29: GNSS/InSAR inputs for geodynamic modeling, tectonic strain and seismic hazard in the Mediterranean	3
	Session 34: Earthquake Induced Landslides: from triggering to stabilization, methods and techniques of monitoring	3
	Session 38: General Seismology - Recent strong earthquakes	10
	TOTAL	**180**



REGISTRATION

Registration per category

Registration per Registration Fee Category	Persons
Committee Members	31
Keynote Speakers	5
Participants	356
Seniors	29
Students	141
Grand Total	**562**

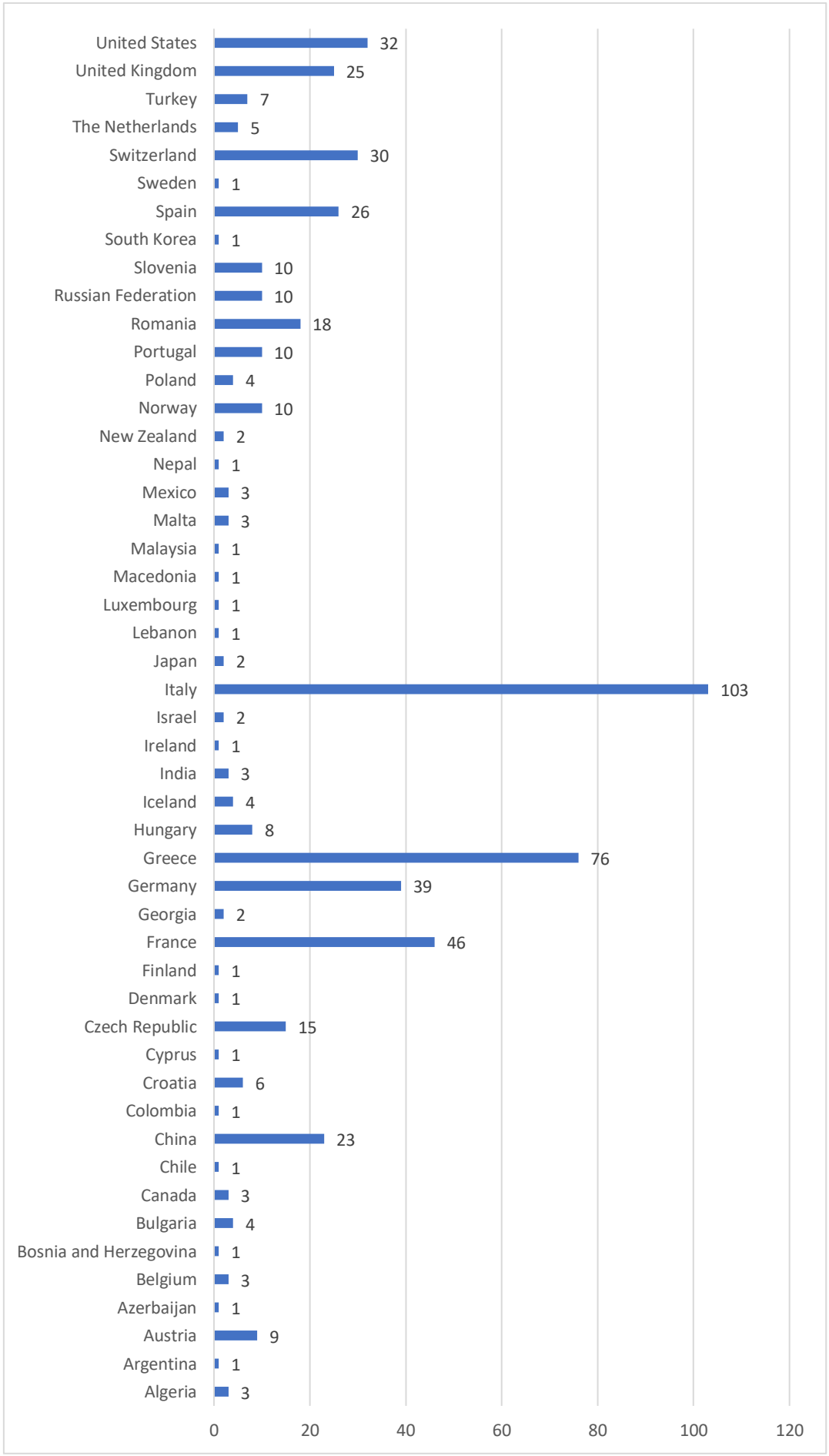


Registration per country

Algeria	3
Argentina	1
Austria	9
Azerbaijan	1
Belgium	3
Bosnia and Herzegovina	1
Bulgaria	4
Canada	3
Chile	1
China	23
Colombia	1
Croatia	6
Cyprus	1
Czech Republic	15
Denmark	1
Finland	1
France	46
Georgia	2
Germany	39
Greece	76
Hungary	8
Iceland	4
India	3
Ireland	1
Israel	2

Italy	103
Japan	2
Lebanon	1
Luxembourg	1
Malaysia	1
Malta	3
Mexico	3
Nepal	1
New Zealand	2
North Macedonia	1
Norway	10
Poland	4
Portugal	10
Romania	18
Russian Federation	10
Slovenia	10
South Korea	1
Spain	26
Sweden	1
Switzerland	30
The Netherlands	5
Turkey	7
United Kingdom	25
United States	32

Grand Total	**562**


United States 32
United Kingdom 25
Turkey 7
The Netherlands 5
Switzerland 30
Sweden 1
Spain 26
South Korea 1
Slovenia 10
Russian Federation 10
Romania 18
Portugal 10
Poland 4
Norway 10
New Zealand 2
Nepal 1
Mexico 3
Malta 3
Malaysia 1
Macedonia 1
Luxembourg 1
Lebanon 1
Japan 2
Italy 103
Israel 2
Ireland 1
India 3
Iceland 4
Hungary 8
Greece 76
Germany 39
Georgia 2
France 46
Finland 1
Denmark 1
Czech Republic 15
Cyprus 1
Croatia 6
Colombia 1
China 23
Chile 1
Canada 3
Bulgaria 4
Bosnia and Herzegovina 1
Belgium 3
Azerbaijan 1
Austria 9
Argentina 1
Algeria 3
0 20 40 60 80 100 120

VIRTUAL
37th
General Assembly of the European
Seismological Commission
ESC2021
19-24 September 2021
ESC
IUGG
IASPEI
International Association of Seismology and Physics of the Earth's Interior
HELLENIC REPUBLIC
National and Kapodistrian University of Athens
ΙΟΝΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ

VIRTUAL
37th
General Assembly of the European
Seismological Commission
ESC2021
19-24 September 2021
ESC
IUGG
IASPEI
International Association of Seismology and Physics of the Earth's Interior
HELLENIC REPUBLIC
National and Kapodistrian University of Athens
ΙΟΝΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ