

Notable ESC in Bucharest

Four ISC staff went to Bucharest to take part in the joint Assembly of the European Seismological Commission (ESC) and the European Association of Earthquake Engineering (EAEE). Within that week, our home country saw the departure of its Prime Minister (PM), arrival of another PM and the Chancellor of Exchequer (both gone again by the time of writing this newsletter), and the loss of Her Majesty the Queen.

During the Assembly, the ISC Director, Dmitry Storchak was elected as the ESC President to serve for the next two years.

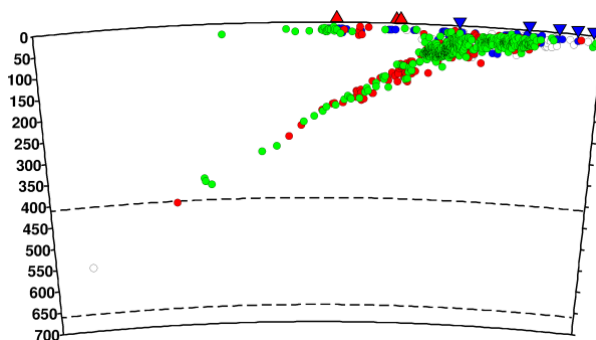


The ISC's Senior Seismologist, Domenico Di Giacomo (pictured above) delivered a well-attended keynote lecture "*Magnitudes and related topics relevant to hazard input*". He summarized the tremendous community progress made since the beginning of the last century to deliver ever more reliable and robust earthquake catalogues, which are instrumental in advancing our understanding of the seismicity of the Earth and improving seismic hazard estimations. He also discussed what the community can do to strengthen global earthquake location efforts and advocated for a better use of the magnitude information from multiple magnitude scales to better characterize the macro features of an earthquake's source.

ISC-EHB now includes 2019

The ISC-EHB dataset has been extended with **7,249** earthquakes and corresponding **2,226,269** seismic arrivals. It now covers teleseismically well constrained events from 1964 to 2019.

Maps and cross-sections of major subduction zones have also been updated. In the figure is one of the cross-sections in the Honshu region.



The depth phases, now routinely picked at the ISC, help to enhance the depth resolution of every 10th earthquake in the ISC-EHB dataset, which is currently maintained by Bob Engdahl, Burak Sakarya and Kathrin Lieser.

New data: Uni Basrah, Iraq



For many years, we received earthquake catalogues from the Iraqi Meteorology Organization and Seismology – a governmental body in Baghdad that is also a

Member of the ISC. We are now happy to acknowledge the start of data reporting by another institution in Iraq - the Seismological Laboratory of the University of Basrah (SLUB). They started reporting seismic phase arrival times recorded by their network stations from earthquakes in the vicinity of Iraq in 2022. We are grateful to our colleagues Muntadher Al-Kaabi and Wathiq Abdalnaby who pushed this development forward.

SnT 2023: Hofburg Palace, Vienna

The ISC always assisted the Comprehensive Test Ban Treaty Organization (CTBTO) in its mission. This time, the ISC was invited to contribute to the forthcoming Science & Technology conference (SnT2023) as part of the Scientific Programme Committee. We invite all ISC data users, reporters and Members to contribute to this biennial event. The abstract deadline is November 30, 2022.