

**CNR-IASPEI**  
**Activities' Report - Year 2020**  
**Warner Marzocchi**

**1. Introduction**

IASPEI (International Association of Seismology and Physics of the Earth Interior) promotes the study of the structure, properties and processes of the Earth interior, and is one of the eight associations of the International Union of Geodesy and Geophysics (IUGG). IASPEI organizes its General Assemblies every four years, together with the ordinary General Assembly of the IUGG. During the time interval between its General Assemblies, IASPEI organizes its Scientific Assembly, often together with one of the other associations of the IUGG. In 2019 the IASPEI General Assembly was held in Montreal (Canada). Currently the President of IASPEI is Prof. Kenji Satake (University of Tokyo, Japan), while the Secretary General is Dr. Johannes Schweitzer of NORSAR (Norway).

**2. Main activities carried on by IASPEI during 2020 relevant for Italy and for CNR**

The ongoing SARS-CoV-2 pandemic has severely affected IASPEI activities, as well as for many other congress and corporate activities. In spite of these difficulties a co-sponsored EGU session, EGU Session MP22 Seismogeodesy IAG-IASPEI was held in 2020; Convener: Jean-Mathieu Nocquet. Nocquet, J.-M., Nishimura, T., Bruni, S., Zerbini, S., and Ozener, H.: A new joint IAG-IASPEI sub-commission for Seismogeodesy, EGU General Assembly 2020, Online, 4–8 May 2020, EGU2020-11112, <https://doi.org/10.5194/egusphere-egu2020-11112>, 2020.

Other meetings planned for 2020, such as the 37th General Assembly European Seismological Commission (ESC) Corfu, Greece, have been postponed to 2021. The difficulties related to Covid-19 have also affected the preparation of the 3rd IAGA – IASPEI Joint Scientific Assembly Hyderabad, India,. Given the permanent uncertainties and the severe situation in India the meeting has been scheduled in 2021 but will be held only online.

**3. Activities carried on by Warner Marzocchi within the Union during 2020 and impact on the Italian scientific community**

The undersigned was appointed IASPEI representative in February 2019 (measure of the President of the CNR n. 11/2019 of 11.02.2019 prot. 0009953). I was subsequently appointed secretary of the commission.

In 2020, my activities as IASPEI Italian representative were severely limited due to the current pandemic. As a researcher, I participated to many activities related to the field of seismology, including the preparation of the last seismic hazard model for Italy, and the attendance of a meeting on the same theme organized by EPOS for the Italian community. This scientific activity is of primary interest for IASPEI.

**4. Evaluation of the participation in terms of benefits and membership cost**

IASPEI represents one of the most important organizations in the field of seismology. Italy is a country with an important seismic activity, so it is vital that the Italian community continues to have a strong participation in this association.

**5. Evaluation of Italians' attendance and how to improve interest and involvement**

In addition to the General Assemblies, IASPEI organizes various thematic workshops, which focus on specific topics for seismology and physics of the Earth interior. Among the various commissions that refer to IASPEI, there is also the European Seismological Commission (ESC) which historically sees a large and motivated Italian participation.

Since its inception, the activity of Italian researchers in IASPEI has always been very intense and of a high scientific level. Italy has a consolidated tradition in research in the field of seismology and physics of the Earth, which is demonstrated both in the acquisition of high-quality geophysical data, and in their analysis and interpretation to determine the physical processes that govern the dynamics of the Earth interior and earthquakes. Italy is a country characterized by high seismicity and seismic monitoring networks are modern and of high quality and allow the collection of data and observations both for understanding the physical processes and for supporting the civil protection system for the management of emergencies.

Although IASPEI meetings are usually well attended by Italian researchers, the link between Italian scientists and IASPEI is mostly associated to that. Building a major and more continuative link between IASPEI activities and Italian community should be a major future task.

**6. Italian experts with important roles within the Union or within related Commissions and Programs (if known)**

Nobody I know of.

**7. If Union with CNR Commission, short summary about the 2020 CNR Commission activities**

The pandemic has severely limited any direct activity.

**8. Notes (if any)**

No

**9. Conclusions**

It is important to reinforce this bond in addition to participation in the meetings organized by the IASPEI

Signature

A handwritten signature in blue ink, appearing to read 'Walter Mueschel', is written in a cursive style.

Place and date: Rome, May 2, 2021