



# International Association of Seismology and Physics of the Earth's Interior



## Resolutions adopted during the 26<sup>th</sup> IUGG General Assembly in Prague on 1 July 2015

### Resolution 1a

**Recognizing** the outstanding value of the New Manual of Seismological Observatory Practice (NMSOP), and the efforts of Peter Bormann and GFZ in the development of the Manual

IASPEI

is grateful to GFZ German Research Centre for Geosciences, Potsdam for providing continued support and overseeing further development of the NMSOP.

### Resolution 1b

**Recognizing** the great value of the homogeneous global instrumental (ISC-GEM) and Global historical (GHEC) earthquake catalogues, sponsored by GEM, for scientific and societal purposes,

IASPEI

strongly urges the community to continue to support these efforts.

### Resolution 1c

**Recognizing** the importance of standards in seismological observational practice,

IASPEI

encourages wider implementation and use of the ISF2.0 and QuakeML formats by seismological data centres and observatories.

## Resolution 2. Real-time Seismology and Earthquake Early Warning Systems

**Considering** that earthquakes continue to cause substantial damage and loss of life globally, and

**Noting** that real-time seismology and earthquake early warning has the potential to play a very important role in the mitigation of earthquake disasters, and

**Acknowledging** the technical complexity related to the design, implementation, and operation of an earthquake early warning system, the need for the rapid access to critical data, and that these data may come from a variety of national and regional seismic networks,

IASPEI

urges support for the research, development, and implementation (including the appropriate use) of earthquake early warning systems, the necessary associated open international exchange of real-time data, and cooperation in the application of that data for disaster mitigation purposes.

## Resolution 3. Availability of Multidisciplinary Data for Earthquake Risk Mitigation

**Considering** that a variety of data sources and types including GNSS, InSAR, broadband and strong motion seismic data, and other observations of crustal deformation in concert with integrative modeling better image earthquake processes; and

**Noting** that the ready access to archived and real-time data is critical to this integration;

IASPEI

Urges:

- the continued and increased sharing of these data, particularly during major earthquake events;
- their combined use in earthquake analyses in order to improve the ability to anticipate and respond to earthquake impacts to help mitigate earthquake disasters.

## Resolution 4. Appreciation

**RECOGNISING** the enormous effort required to organise the General Assembly,

IASPEI

**THANKS** and **CONGRATULATES** the IUGG Local Organizing Committee and its Chair Professor Vladimír ČERMAK for the excellent organisation that has led to a most memorable meeting in Prague.