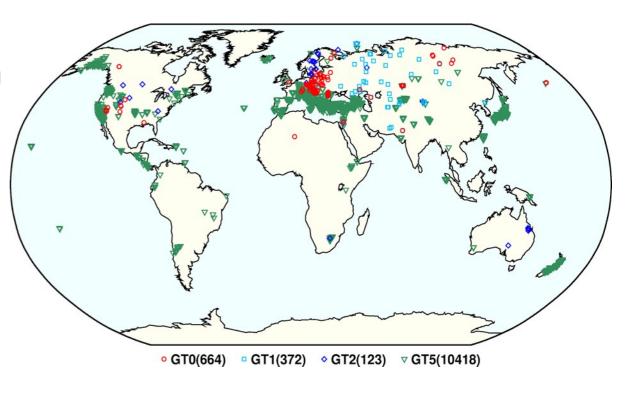
IASPEI Reference Events for Improved Locations ("Ground Truth")



- A database of earthquakes and explosions with epicentral uncertainty <10 km - 11577 events from 1959 to 2018
- Currently maintained by the International Seismological Centre and updated twice a year:
 - 17 May 2021 (2018-07-01 2019-01-01: 152 events)
 - 7 December 2020 (2018-01-01 2018-07-01: 254 events)
 - 9 July 2020 (2017-07-01 2018-01-01: 338 events & 1980 2010: 250 events
 - 27 March 2020 (2017-01-01 2017-07-01: 396 events)
- Ground Truth rebuild required to be in line with the rebuilt ISC Bulletin
 - Check existing reference events qualify as candidates
 - Review rebuilt ISC bulletin for new GT candidates
 - Homogenise selection criteria for reference events from 1960 present
 - Will likely result in an increase in the number of GT events, specifically earthquakes



IASPEI Reference Events for Improved Locations ("Ground Truth") Submission



- The current working group on reference events are:
- Dr Eric Bergman
- Dr Bob Engdahl
- Dr Istvan Bondar
- Dr Keith McLaughlin
- Dr Ryan Gallacher (ISC)
- We invite nomination of events, for the reference events database, where hypocentre information is known with high confidence (to 10 km or better -GT10).
- Events can be submitted through the ISC website (www.isc.ac.uk/gtevents/submission)

