Active faults of the broader Aegean region in THE GREEK DATABASE OF SEISMOGENIC SOURCES http://eqgeogr.weebly.com/database-of-active-faults.html **Earthquake Geology** Research Team http://gredass.unife.it/ Liquefaction phenomena sites in the broader Aegean region acquired from the DAtabase of historical Liquefaction Occurrences (DALO; http://gpapatha.weebly.com/dalo.html). The database is created by G. Papathanassiou (Pap 24° 00' 20° 00' 22° 00' 26° 00' 28° 00' Geographic projection: WGS84 **LEGEND** This inset map shows the major tectonic structures and the current horizontal stress kilometres field main axes. Earthquakes (M = Magnitude): 550 BC - 2010 AD (Papazachos et al., 2000; 2010) The Greek Database of Seismogenic deformation and many more. **Sources** is a repository of geological, tectonic GreDaSS is an open-file, continuously and active-fault data for the Greek territory updatable, that can accommodate all  $5.5 \le M < 6.0$ proposals from multi-field researchers. It is a and its surroundings. It represents a complete and modern tool for improving the Seismic GIS-based database consisting of several Individual Seismogenic Sources: they are obtained from geological and geophysical data and are characterized by a full layers, both graphical and metadata ones. For Hazard Assessmant (SHA) of the region and a set of geometric (strike, dip, length, width and depth), kinematic (rake, average displacement per event) and Fault lines derive from the CSSs upper edge of more information and complete bibliography, seismological (magnitude, slip rate, return period) parameters. ISSs are assumed to exhibit "characteristic" behaviour valuable source of information for scientists with respect to rupture length/width and expected mean and maximum magnitude. Moreover, ISSs can also be who want to deal with earthquake scenarios visit our website. considered as fault segments of larger fault zones when there are evidences of individual rupture. The ISSs favour and modelling, geodynamics, active AACB: Adria-Aegean Convergence Boundary AFZ: Aliakmonas Fault Zone accuracy of the information supplied over the completeness of the sources themselves. As such, they can be used for deterministic assessment of seismic hazard, for calculating earthquake and tsunami scenarios, and for tectonic and AIG: Alasehir Graben The Gre.Da.S.S. Working Group consists of: geodynamic investigations. ArG: Argolikos Gulf Fault arthquake ATFZ: Amvrakikos Gulf - Trichinida Fault Zone Project Coordinators: BMG: Buyuk Menderes Graben Geology Composite Seismogenic Sources: they are obtained from geological and geophysical data and characterized by Spyros Pavlides, Riccardo Caputo, CAT: Central Aegean Trough, CG: Corinth Gulf Research geometric (strike, dip, width, min/max depth) and kinematic (rake) parameters, but their sliding surface geometry is more Alexandros Chatzipetros CTFZ: Cephalonia Transform Fault Zone loosely defined and can contain an unspecified number of ISSs. They are not assumed to be capable of a characteristic My: Mygdonia Basin, NAB: North Aegean Basin Database manager: NAT: North Aegean Trough earthquake but their potential can derive from existing earthquake catalogues or other geological considerations. A CSS Sotiris Sboras 6° PB: Ptolemaida Basin is essentially inferred on the basis of regional surface and subsurface geological data that are exploited well beyond the Th: Thessaly Fault System Principal scientific contributors: simple identification of active faults or youthful tectonic features. Opposite to the ISSs, this category of sources favours Sotiris Sboras, Alexandros Chatzipetros, Ioannis Koukouvelas, Anastasia Michailidou, George Papathanassiou, Sotiris Valkaniotis, Anna Zervopoulou completeness of the record of potential earthquake sources over accuracy of source description. In conjunction with seismicity and modern strain data, CSSs can thus be used for regional probabilistic Seismic Hazard Assessment and for Database structure & technical support: Roberto Basili, Gabriele Tarabusi investigating large-scale geodynamic processes. A CSS can represent a large fault zone which can consist of one or more well defined ISSs. However, it can also be 'empty' of ISSs if none can be recognized. The seismic behaviour of the CSSs Software provided by the D.I.S.S. WG from the Istituto Nazionale di Geofisica e Vulcanologia (INGV - Italy) can be completely independent for the ISSs, given that a potential event may rupture the total length of the source, © 2014, the Gre.Da.S.S. Working Group, http://eqgeogr.weebly.com/database-of-active-faults.html Compression Extension whether it contains none, one or more ISSs.

Poster design: Sotiris Sboras