# Geodynamics of the Mexican Subduction Zone: constraints from seismology, geochemistry and plate reconstructions

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In recent years, significant progress has been made in the construction of geodynamic models of the Mexican subduction zones. Geochemical variations of the Mexican arc lavas, tomographic imaging of the Cocos slab beneath Mexico, the evolution in time and space of the subducting plate and other varied field observations have also experienced incredible growth in the last years. The purpose of this session is to facilitate the collaborative interpretation and corroboration of all sources of relevant data with existing and future geodynamics models of the Mexican subduction system and evolution. We invite people from different fields to contribute and discuss how to integrate the available seismological, geophysical, mineralogical, petrologic, and geochemical observations in order to better constrain geodynamic models of the Mexican subduction system.