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## **Database for construction of geodynamic models of the active continental margins**

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The database for construction of geodynamic models of the active continental margins of the transition zone from Eurasian Continent to the Pacific Ocean is created. All available geological and geophysical data on the investigated areas are collected. The information database comprises data for bathymetry, seismology, deep seismic sounding, gravity, heat flow, magnetic, geology, the results of marine geophysical survey and deep sea drilling of the seafloor, dredging and other data. All the data have coordinates, descriptions of formats and references to the sources. The geodynamic models comprise the structure of the sedimentary cover and consolidated layer of the crust, the location of deep faults, rift and paleorift structures, ancient and recent subduction zones, magmatic formations and mud volcanoes, mineragenetic zones and areas of oil and gas formation, asthenospheric diapirs and partial melting zones occurrence in the upper mantle, seismicity, deep temperatures in the lithosphere. The analysis and interpretation of models are conducted. Extensive bibliography is compiled on the subject.