

Phanerozoic magmatic and fold-thrust belts in the Balkan-Eastern Mediterranean area: Geodynamics, structural evolution and metallogenic significance.

Convener: Radoslav Nakov

The Balkan-Eastern Mediterranean area is remarkable with its extremely complex geological evolution. The origin and evolution of the magmatic and fold-thrust belts in it are of crucial value for the interpretation of the geologic history. They encompass the remains of several in most cases reworked remnants of superimposed basins, stages of magmatism and orogenic events. This overlapping obscures the primary rock filling and in many cases makes difficult to distinguish sequentially the structural events. At the same time they enclose numerous mineral deposits some of them belonging to metallogenic belts of world value. Beside the complicated paleotectonics, presently the area exhibits one of the most active and well exposed collision-extensional system of the world, offering good opportunities for investigation of such system.

The session aims to put under discussion new data and ideas, putting together studies from different geological domains for a better understanding both geodynamics and metallogeny.