

## **Metallogenic consequences of overriding of middle ocean spreading zones by the edges of continental plates**

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Metallogenic consequences of overriding of the metals-producing (mainly sulphides of Zn, Cu and Ag) spreading zones of middle-ocean ridges (rises) by the edges of continental plates are considered.

The most striking phenomenon is the submersion of the flank of the Eastern Pacific rise (Gulf of California) under the North American continent during Oligocene-Miocene stage and formation of marginal-continental metallogenic province of Basins and Ridges.

The following areas of global system of middle-ocean zones of spreading, that are conjugate with the edges of continental plates, are considered as similar metallogenic phenomena:

- rift of the Red Sea extending in the Suez Canal and evidently further on to Mediterranean and under the Southern margin of European continent;
- submarine ridge of Gakkel in Arctic Ocean submerging under Asian continent in the Laptev Sea region (Yakutiya).

The attempts to reconstruct such a zone for Paleozoic stage of the Paleotetis middle-ocean Ridge at the place of modern Central Asia have been made.