

Development of Cenozoic marginal and shelf basins in the Northeast Asian convergent margin

GLADENKOV, YU.B. Geological Institute of Russian Academy of Sciences, Moscow, Russia

1. *Depositional environments of Paleogene and Neogene formations in different areas of the Sakhalin-Kamchatka region, particularly the Sea of Okhotsk (inner) and Pacific (outer) provinces, were recognized. Developmental stages of these areas are manifestations of regional and subglobal events.*

2. *In the Paleocene-Pliocene period, some successive stages and cycles in lithological and paleontological (first of all, benthic fauna) development were established. The stages and cycles reflect paleogeographic changes caused by tectonic, eustatic and other processes. A set of 12 paleogeographic maps were compiled to illustrate the paleogeographic trends. Important material for reconstruction of the processes is provided by seismostratigraphic records.*