

## **GOLD-SILVER-POLYMETALLIC DEPOSITS OF THE ESAULIVSKO-NAGOLCHANSKY ORE KNOT (UKRAINE).**

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The Esaulivsko-Nagolchansky ore knot is situated within the Donets fold area, which is formed as result of collision in limits of the Dniepr-Donets intracratonal rift. All deposits and ore manifestations of the ore knot belong to the gold-quartz (carbonate) -sulphide subformation, which is typical for black shale strata in many regions of the World. Peculiarities of localisation and mineral composition of the ore formation of the Esaulivsko-Nagolchansky ore knot are related to a history of regional structure formation under conditions of moving of the Carboniferous tectonic block along the Central-Donbas and Hostrobugorsko-Bobrykivsky faults. The Esaulivske silver-base metal (with gold) deposit and a number of the ore occurrences on its circumference, as well as the Semenov Bugor mercury-silver manifestation are coincident to the anticlines of the Northern branch (along the Central-Donbas faults). The Hostrobugorske gold deposit (with base metals) and Nagolchanske base metal deposit are within the Southern branch (along the Hostrobugorsko-Bobrykivsky fault) of anticlines. All of the deposits and ore manifestations are situated around latent intrusions, which are marked by gravitational anomalies and metamorphical rocks.