

POLYMETAL

ПОЛИМЕТАЛЛ

Общие факты

ОБЩИЕ ФАКТЫ



POLYMETAL

EXPLORATION: CHALLENGES

2021

- Increased scope and pace
- ▼ Human resources
- Technological progress
- Sustainable development

EXPLORATION: NEW TECHNOLOGIES

Faster, More productive, More efficiently

FIELD WORK Equipment Maximum mobility for fast prospecting Organization Processing data during field-work Faster targeting Fast decision making **METHODS** Geophysical Needed parameters set of researched geological Geochemical environment Mineralogical Methods enabling "to see" under the cover Structural (geophysics and deep-penetrating geochemistry) **GEOLOGICAL DATA** Get the most benefit from geological data Storage Exchange **Processing** Use maximum experience and unique knowledge of staff and experts Geological Data accessible for all members of the production chain

EXPLORATION: NEW TECHNOLOGIES

Main results 2020

FIELD WORK

Mobile drill rigs pXRF UAV Geobank

METHODS

Mobile-MT (Mobile MagnetoTellurics)
MMI
TerraSpec
Corescan

GEOLOGICAL DATA

Geobank ArcGIS Aster/ Sentinel Imagery ML

- NAME NOTE: The part of the par
- UAVs routine method of magnetic survey 1:10000
- XRF-core scanner at Prognoz for quick sorting of ore intervals
- Geobank exploration data management
- ▼ Prognoz: magnetic survey using UAV on 1350 km²
- Test work of deep-penetrating geochemistry in Ural and Kazakhstan
- Test work of mineral mapping at Birkachan using TerraSpec-4
- Mobile-MT on 1300 km² around Dukat
- Cooperation with S.Garvin and Fathom Geophysics - ASTER/Sentinel Imagery for targeting on Balkhash AOI
- Mineral system modeling (MSM) and mineral prospectivity modelling using machine learning (ML) technique by SRK ES for Ducat AOI