

Information

The Center for Collective Usage “Mineral Resources and Environmental Conditions Research Center” was established on the basis of laboratories with modern analytical equipment (Faculty of Geology & Geography, SFEDU) in March 2010.

The center core activity:

- research of the composition, properties and genesis of geological features (ores, minerals, rocks, coals, sediments);
- quality assessment of mineral stocks and materials on its basis;
- research of the composition, properties and genesis of products from the technogenic deposits;
- research of mineral and technological characteristics of mineral and technogenic stocks and materials produced on its basis;
- assessment of natural objects pollution (including for solving problems of geoecological research, monitoring and environmental forecasting);
- measurement of physical and mechanical properties of dispersive soils;
- development of methods of laboratory and analytical research of natural objects, technologies of effective use of natural and technogenic mineral raw materials;
- natural objects and mineral raw materials research;
- the basics of research training with the use of the modern equipment.

The Center’s equipment provides the possibility of research in the field of mineral raw materials, environmental conditions and other fields of science.

The Center’s Structure

The Center for Collective Usage “Mineral Resources and Environmental Conditions Research Centre” includes the following units:

- analytical laboratory;
- X-ray fluorescence analysis laboratory;
- X-ray diffractometry laboratory;
- laboratory of scanning electron microscopy and microanalysis;
- laboratory of hydrogeology and engineering geology;
- “Geotechprognoz” education and research laboratory;
- laboratory of primary samples handling

The Center for Collective Usage “Mineral Resources and Environmental Conditions Research Center” is a structural unit of SFedU Research Department.