



Expert Advice of the Union of Geologists of
Ukraine (EA UAG)

THE WORKSHOP REPORT ON THE PROJECT KINDRA

for national experts in hydrogeology

October, 4 2016 in Kyiv, Ukraine the Enterprise "Expert Council of the Union of geologists Ukraine" (EA UAG) during International Scientific Conference «METASOMATOSE AND ORE FORMATION» has conducted the Ukrainian National KINDRA workshop.

Workshop was held for national experts in hydrogeology in the conference-hall of Institute of Geology, National Taras Shevchenko University, Kyiv, Ukraine. Organiser: EFG, Expert Advice of the Union of Geologists of Ukraine on behalf of KINDRA Project Consortium.

It was attended by representatives of the Ukrainian public organization "Union of Geologists of Ukraine" (UAG); Kyiv National Taras Shevchenko University (scientists, teachers, students, masters), Ukrainian State Geological Institute (UkrDGRI), LLC "Tutkovsky integrated solutions," State Enterprise "Ukrainian geological company "(SE UGC), the National Academy of Sciences of Ukraine (including: the Institute of Geological Sciences, Scientific Centre for Aerospace Research of Earth Science and Engineering Center Radiogidroecological Field Research). The Workshop was held in the format of "round table" and he was mainly devoted to the problems of groundwater monitoring in Ukraine.



Welcoming remarks to the participants by the Director of Education and Research Institute of Geology of Kyiv National University prof. **Vladimir Mikhailov**



The Report "State geological work in Ukraine, performed by the State budget" by **M. Geychenko** (Deputy head Enterprises "Expert Council of the Union of Geologists of Ukraine" (UAG)



"State of work with hydrogeological additional areas study, scale 1: 200 000" by **I. Sanina** (Head of the Sector of the Department of geological and environmental research, Ukrainian State Geological Institute (UkrDGRI)



N. Lyta (Ukrainian State Geological Institute (UkrDGRI), PhD) presentation



The KINDRA workshop participants

The speakers were:

- Prof. **O. Bobrov** (Chairman of the board of the Expert Advice of the Union of Geologists of Ukraine) with presentation "**International KINDRA**

Project: Aims and objectives of hydrogeological research direction, status of the project, the main operating results"

- PhD **M. Geychenko** (Deputy head Enterprises "Expert Council of the Union of Geologists of Ukraine" (UAG) with presentation "**State geological work in Ukraine, performed by the State budget**";
- PhD, **N. Lyta** (senior geologist of the Ukrainian State geological Institute, Geological Survey of Ukraine) with presentation "**Creating the databases of the hydrogeological information in GIS as a basis for reforming the system of groundwater monitoring in Ukraine according the requirements of regulatory guidance documents of the EU**"
- **I. Sanina** (Head of the Sector of the Department of geological and environmental research, Ukrainian State geological Institute) with presentation "**State of work with hydrogeological additional areas study, scale 1: 200 000**";
- **N. Zaritovska** (Chief of the Hidgogeology Brench, Geological Survey of Ukraine) "**Tactics and strategy of the hydrogeological studies in Ukraine**"
- **A. Sakhatsky** (Laboratory of Natural resources Studies by remote methods, Scientific Centre for Aerospace Research of the Earth) "**Use material of spectral satellite imagery for solving geological problems**";
- **G. Liventseva** (Junior researcher at the Institute of Geological Sciences of Ukraine, Union of geologists Ukraine) "**The Educational project "The subsoil of the earth, the spiritual subsoil"- a set of measures for students and their teachers.**"

During the discussion, which was attended by most of those present, was observed extreme importance of geological study of underground water of the Ukraine, enhance effective control of their condition, conservation of geological environment as part of the environment.

Following the results of the workshop it was decided:

- Workshop Participants for national experts on hydrogeology Ukraine noted the importance of the Project KINDRA in disseminating knowledge in society about the current state of groundwater in Ukraine and abroad,

hydrogeological, geotechnical and environmental geological work performed in our country;

- The current state of public groundwater monitoring system is unsatisfactory. He is due not only negligible funding, but also the lack of coordination between subjects of monitoring, the lack of scientific and methodological support. For the restoration and simultaneous reform of the monitoring system needs to perform a list of following priorities:
- Together with the Department of Earth Sciences of NAS of Ukraine and the NGO "Association of Geologists of Ukraine" make appeal to the Cabinet of Ministers of Ukraine with the request to prepare and hold Collegium of Geological Survey of Ukraine (Derzhheonadr) in the format of a joint meeting with the Department of Earth Sciences of Ukrainian NAS and representatives Ministry of Environment and Public organizations.

At the Collegium to consider and approve:

- list of the most strategically important, socially oriented work areas Derzhheonadr Ukraine;
- the range of urgent measures aimed at restoring groundwater monitoring system of Ukraine, the implementation of which, even with the limited funding would revive observation network and simultaneously start a process of gradual adaptation to the requirements of regulatory guidance documents of the EU.

These proposed measures include:

- Creation of scientific and methodological Center for groundwater monitoring within the competence the State Geological Survey of Ukraine (Derzhheonadr) with the involvement of State Scientific Enterprise "Geoinform", Ukrainian State Geological Institute (UkrDGRI) and scientific institutions of National Academy of Ukraine;

- development the Concept and Program of reforming the state system of monitoring of groundwater in accordance with international practices and the requirements of the relevant EU directives and improve the legal framework of the system of monitoring groundwater;
- the development of scientific and methodological support of groundwater monitoring, harmonized with EU documents;
- Involvement to the State system of mandatory monitoring of groundwater enterprises that are active or potential sources of pollution;
- Inclusion in the State system of groundwater monitoring drinking water protection zones in accordance with the requirements of the Water Framework Directive 2000/60 / EC - the basic document in the field of water policy of the EU.

The implementation of the proposed measures, according to the participants, will help restore groundwater monitoring system in Ukraine will begin the process of gradual adaptation of the monitoring system to the requirements of regulatory guidance documents of the European Union will contribute to establishing a real interaction among the groundwater monitoring and implementation of basin principle water management, enhance the ability of the state to the protection of groundwater from pollution and depletion, and in decisions on water management.