

# Ukrainian Hydrometeorological Center

**HYDROMETEOROLOGICAL  
ACTIVITIES WITHIN THE  
SYSTEM OF THE STATE  
EMERGENCY SERVICE OF  
UKRAINE**

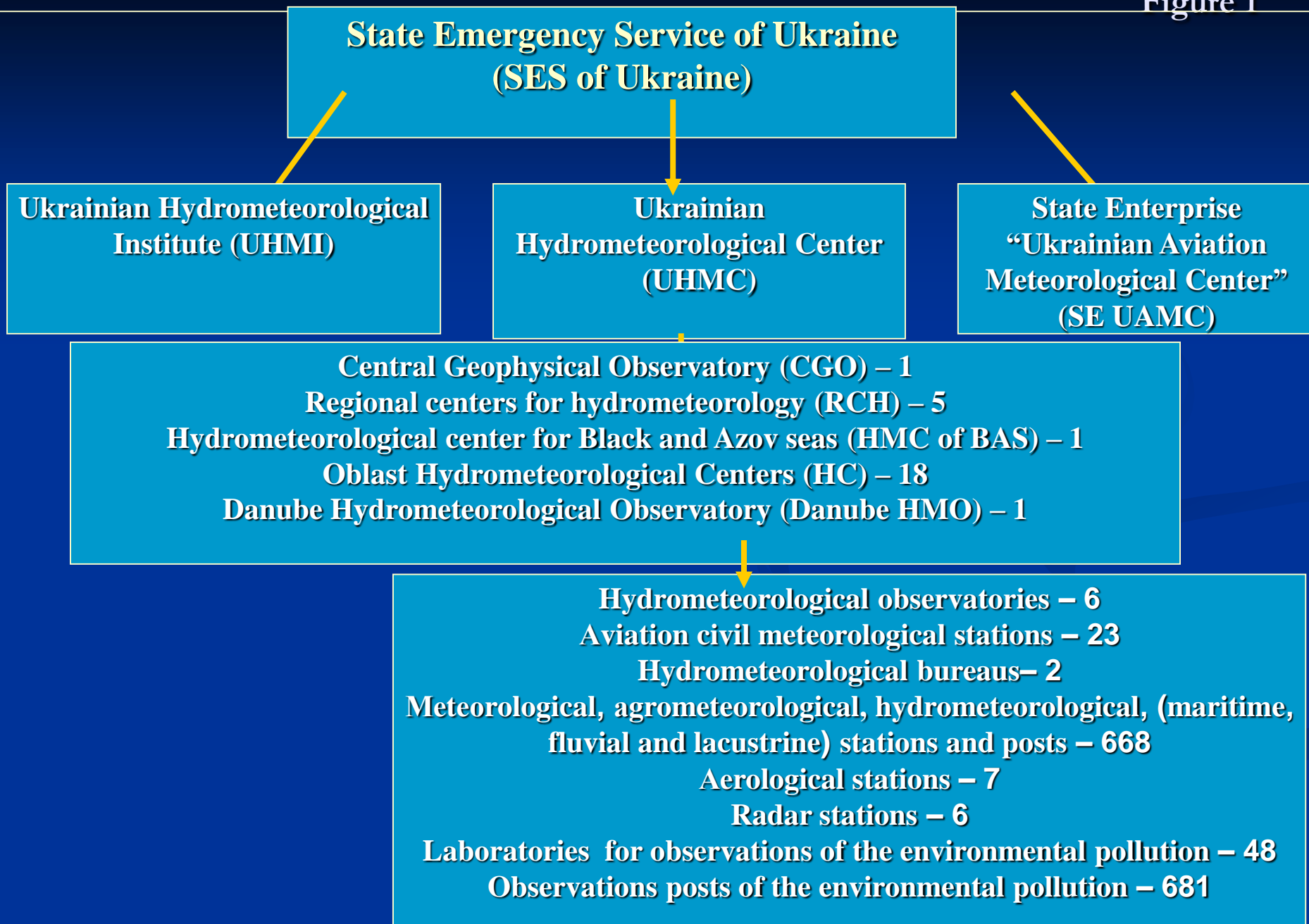
**National Hydrometeorological Service of Ukraine subjected to the State Emergency Service of Ukraine is a system of meteorological organizations, enterprises, institutions that fulfill the complex of works of observation, data collection, processing, transmission, storage and use of data in the field of meteorology, climatology, geophysics of atmosphere, as well as basic observations of pollution of the environment and providing the relevant information to governmental agencies, public and private institutions of various sectors of economy and to the population.**

**Since 1948 Ukraine is a member of the World Meteorological Organization (WMO) and monitoring of hydrological conditions and geophysical variables in Ukraine is carried out in accordance with the standards and recommendations of WMO. Hydrometeorological organizations ensure compliance of Ukraine with international obligations in international sharing of operative data.**


## Main tasks of meteorological organizations are to:

- provide meteorological observations and basic observations of the environmental pollution, collecting, processing, summarizing materials of observations;
- collect, process, transmit meteorological data and information on the levels of environmental pollution, form bases and banks of meteorological data;
- analyse and forecast weather conditions, hydrological regime of rivers and reservoirs, agrometeorological conditions of vegetation and crop yields, weather conditions affecting pollution of large industrial cities;
- provide executive bodies, local authorities, Armed Forces of Ukraine, enterprises, institutions and business sectors, public and other users with public information on meteorological conditions and environmental pollution, forecasts and warnings on hazardous and natural meteorological phenomena and implementation of hydrometeorological service.


Figure 1









**0 category** –weather conditions are not threatening, dangerous phenomena are not expected.



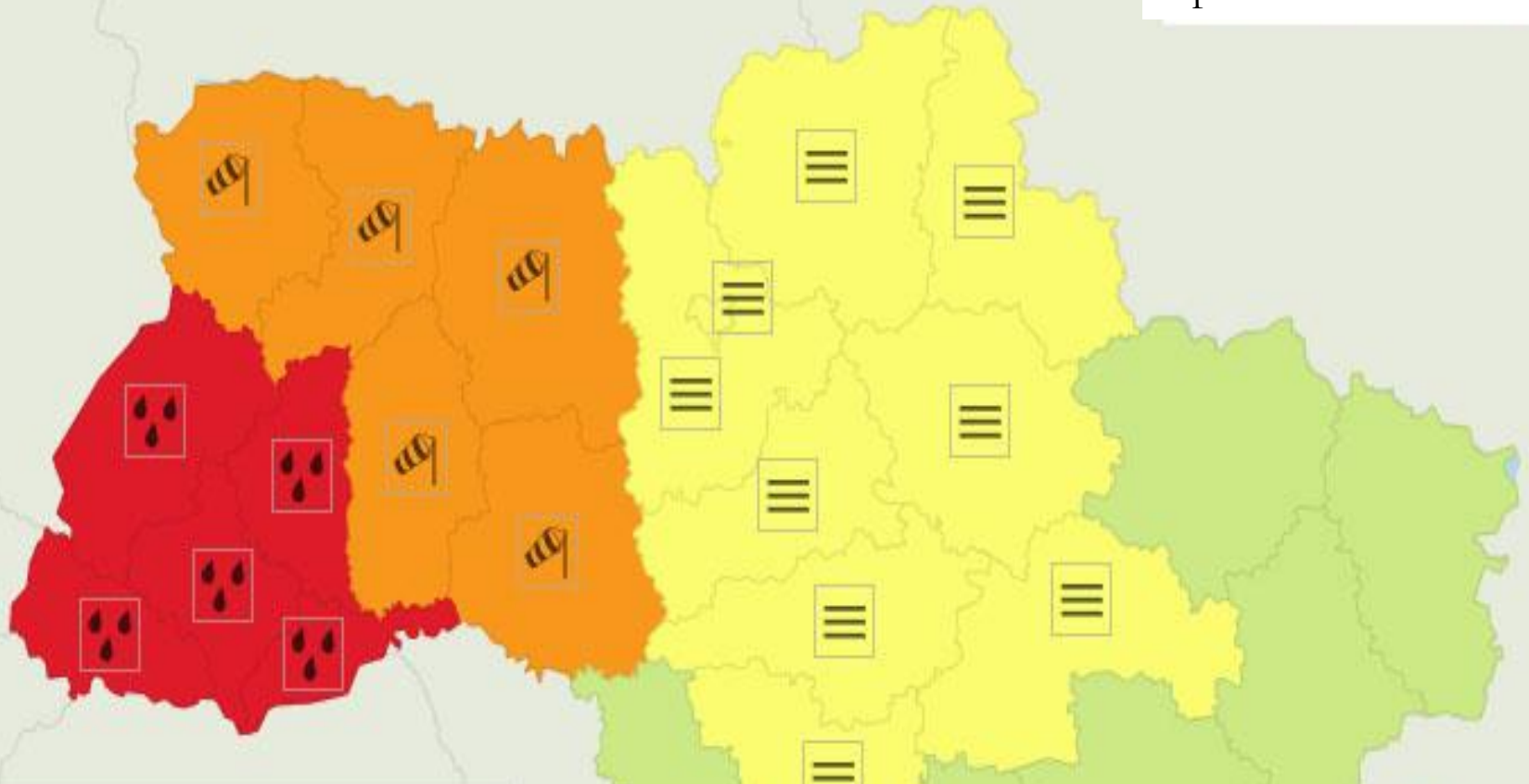
**I category** – weather conditions are potentially dangerous for the population, infrastructure and environment. It is recommended to keep increased attention and caution, to monitor reports of possible further deterioration of weather conditions.







**II category** – weather conditions are dangerous, are a real threat to the population, infrastructure and the environment. It is recommended to exercise maximum caution when staying in the area of weather events.



**III category** - the weather conditions are extremely dangerous, create a threat to the lives of people in large areas, resulting in large-scale infrastructure damage. It is recommended to stop activities in the zone of weather events, to take security measures, to use possible shelters.

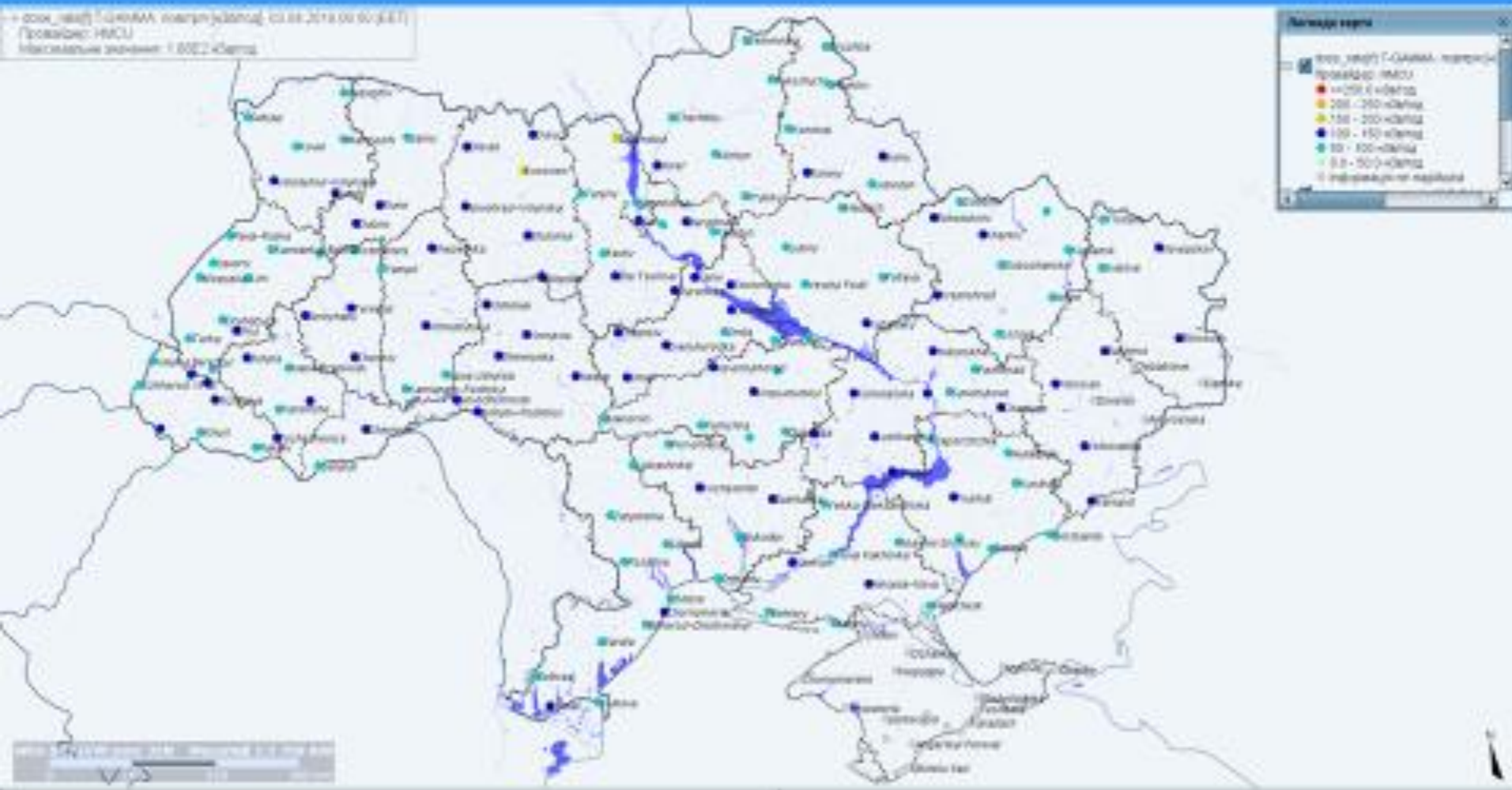


Levels of danger by colours

-  Weather conditions are not dangerous
-  Potential weather hazards
-  Dangerous weather conditions
-  Extremely dangerous weather conditions

# Radiometric network of National Hydrometeorological Service of Ukraine

*The network consists of 160 points of observation.*





# Radiation Accidents Consequences Prediction Center (RACPC) (JRODOS Instrument)

RACPC has been functioning as a division of UHMC since 1 January 2017 within the network of 18 national JRODOS centers in Europe and Asia in the framework of agreements between IAEA and WMO to bring to an adequate level readiness of countries to ensure monitoring prospective nuclear accidents by the way of modelling any kinds of accidental scenarios of nuclear substances transportation on the basis of meteorological conditions prediction. The experts of the RACPC division exchange operationally the received data with their colleagues abroad. Regular international exercises raise a level of our specialists' qualification and their readiness to face any eventual nuclear related accidental situations.

-> Air concentration near ground, time integrated: -131 [Бк·год/м³], 22.04.2019 09:00 (Europe/Kiev)  
Проект: Jod131\_Obninsk, Завдання: MATCH - run:17\_15\_1E8  
Максимальне значення: 1.83E1 Бк·год/м³

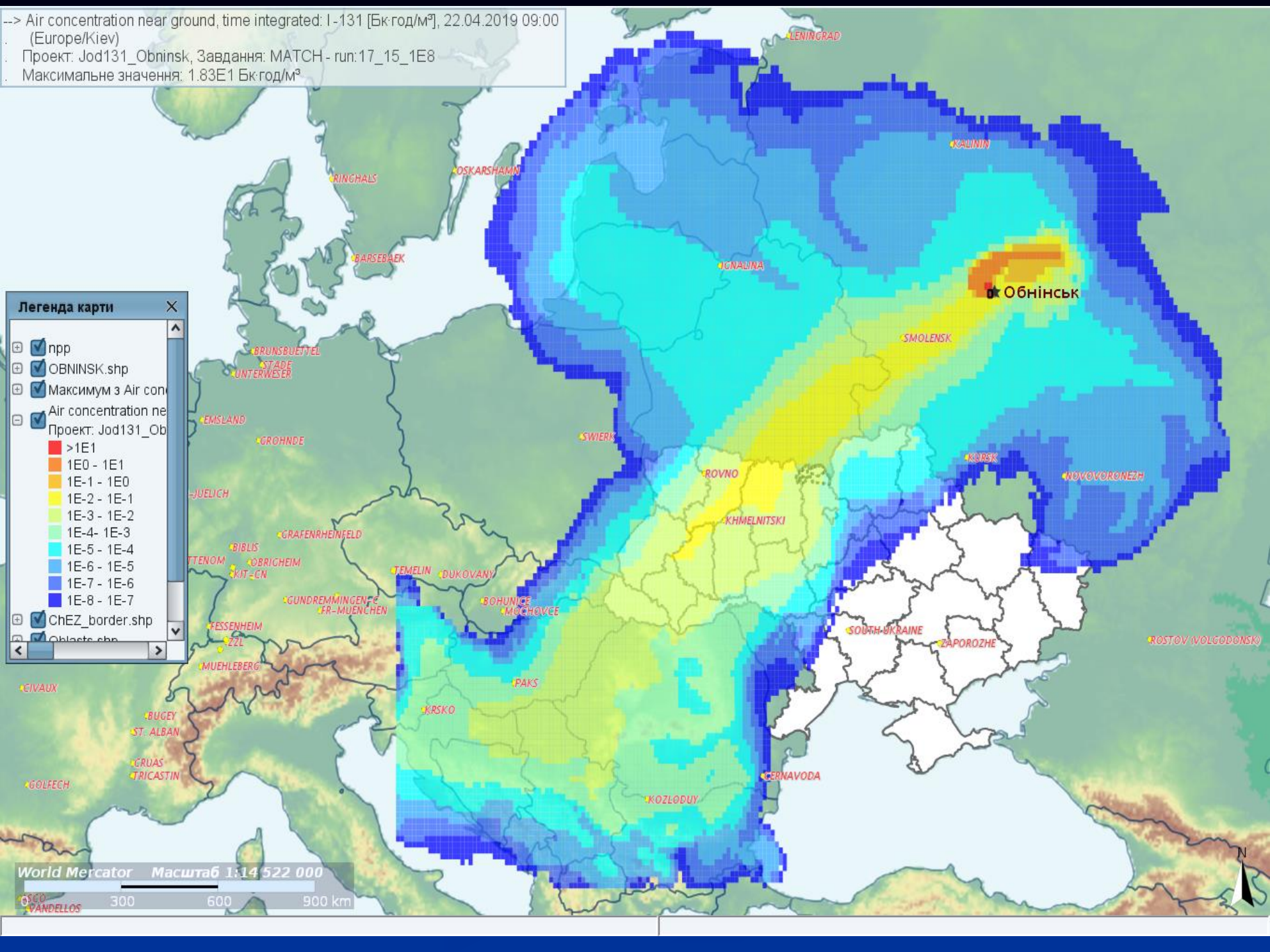
**Легенда карти**

- npp
- OBNINSK.shp
- Максимум з Air con
- Air concentration ne

Проект: Jod131\_Ob

|   |             |
|---|-------------|
| ■ | >1E1        |
| ■ | 1E0 - 1E1   |
| ■ | 1E-1 - 1E0  |
| ■ | 1E-2 - 1E-1 |
| ■ | 1E-3 - 1E-2 |
| ■ | 1E-4 - 1E-3 |
| ■ | 1E-5 - 1E-4 |
| ■ | 1E-6 - 1E-5 |
| ■ | 1E-7 - 1E-6 |
| ■ | 1E-8 - 1E-7 |

- ChEZ\_border.shp
- Oblasts.shp



World Mercator Масштаб 1:14 522 000  
300 600 900 km

# OSCAR/Surface Training Course for RA VI

1-3 October 2019, Kyiv, Ukraine



КОНФЕРЕНЦІ ЗАЛИ  
CONFERENCE HALLS

3-й поверх  
Зала Асамблея  
Зала Форум  
Зала Колегія  
Кімната переговорів

Assembly Hall  
Forum Hall  
Collegium Hall  
Meeting Room

Служба прийому та розміщення  
Бізнес-центр  
Сауна  
Салон

RECEPTION  
Business-center  
Sauna



1-3 October 2019  
Kyiv  
Ukraine

# OSCAR/Surface Training Course for RA VI

2-3 October 2019, Kyiv, Ukraine



WORLD  
HEALTH ORGANIZATION  
WHO  
ВСЕСВІТНЯ  
ОРГАНІЗАЦІЯ  
ОХОРОНИ  
ЗДОРОВ'Я

Mr. [Name]

Dr. Mykola Kubiśka

Mr. Milan Džulić

Mr. Tomáš Procházka

Ms. Veronika [Name]

Ms. [Name]



# OSCAR/Surface Training Course for RA VI

1-3 October 2019 | Ukraine











Вітальон Андрій  
[unreadable]

**Thank you for your time!**

**Dr. Mykola Kulbida Director of  
Ukrainian Hydrometeorological Center  
Permanent Representative of Ukraine  
with WMO**