

**Program****Earth's Sciences**  
**May 11, 2023, Thursday****Zoom link:**<https://us06web.zoom.us/j/84794332643?pwd=YUNsanZ0RGZrbzM3T3R6L1JL0DIQT09>**Meeting ID:** 847 9433 2643**Passcode:** 548623**Session 1. Chair – Sergii Kadurin (10:00–16:20, Kyiv Time, UT+3h)**

<b>Time</b>	<b>Presenter and co-authors. Title</b>
10:00– 10:20	<u>G.V. Artemenko</u> , V.G. Bakhmutov, D.K. Wozniak, L.M. Stepanyuk, Yu.O. Lytvynenko <b>U-Pb AGE AND PT CONDITIONS OF FORMATION OF ZIRCON FROM DYKE LAMPROPHIRES (ARGENTINE ISLANDS AREA, WILHELM ARCHIPELAGO, WEST ANTARCTICA)</b>
10:20– 10:40	<u>V.Bakhmutov</u> , T. Yegorova, M. Bakarzhievya, O. Mytrokhyn, V. Shpyra, V. Maksymchuk, M. Orlyuk, A. Romenets <b>MAGNETIC FIELD MAPPING OF THE WILHELM ARCHIPELAGO SHELF ZONE, WEST ANTARCTICA</b>
10:40– 11:00	<u>D.S. Chertova</u> , O.V. Mytrokhyn, V.G. Bakhmutov <b>GABBROID INTRUSION OF GIRARD BAY (KYIV PENINSULA OF THE GRAHAM COAST, WEST ANTARCTICA)</b>
11:00– 11:20	<u>A.V. Ivko</u> , O.V. Mytrokhyn, V.G. Bakhmutov <b>NEW INSIGHTS ABOUT ORBICULAR GABBRO FROM THE HOVGAARD ISLAND, WILHELM ARCHIPELAGO OF THE WEST ANTARCTICA</b>
11:20– 11:40	<u>O.V. Mytrokhyn</u> , V.G. Bakhmutov <b>GEOLOGICAL SURVEY ON THE ARGENTINE ISLANDS (WILHELM ARCHIPELAGO, WEST ANTARCTICA)</b>
<b>11:40– 12:00</b>	<b>Coffee break (11:40–12:00)</b>
12:00– 12:20	<u>S.V. Kadurin</u> , Andreeva K.P. <b>ICE COVER POSITION AND VELOCITY ANALYSIS OF THE TRUZ GLACIER (KYIV PENINSULA) ACCORDING TO SATELLITE REMOTE SENSING DATA</b>
12:20– 12:40	<u>Kh.I. Marusazh</u> , I. R. Savchyn, H. O. Nesmyrna <b>MONITORING OF GLACIER SURFACES IN THE ARGENTINE ISLANDS (ANTARCTIC PENINSULA) REGION BASED ON ARCHIVE MATERIALS</b>
12:40– 13:00	O.P. Olshtynska, <u>S.M. Stadnichenko</u> , S.B. Shekhunova <b>LITHOLOGICAL AND MICROPALAEONTOLOGICAL CHARACTERISTICS OF SHALLOW-WATERS BOTTOM SEDIMENTS IN AREA OF UAS AKADEMIK VERNADSKY</b>
<b>13:40– 14:00</b>	<b>Launch break (13:00–14:00)</b>
14:00– 14:20	<u>Yu.P. Sumaruk</u> , A.A. Marusenkov, V.E. Korepanov, P.V. Sumaruk <b>MEASUREMENT ACCURACY INCREASE AT AIA OBSERVATORY</b>
14:20– 14:40	<u>O.I. Liaschuk</u> , Yu.A. Andrushchenko, Yu.S. Otruba <b>INFRASOUND AND SEISMIC ARRAYS AT VERNADSKY STATION - THE FIRST EXPERIENCE OF YEAR-ROUND OBSERVATIONS</b>

<b>Time</b>	<b>Presenter and co-authors. Title</b>
14:40– 15:00	<u>V.Maksymchuk, I.Chobotok, R.Kuderavets, Ye.Nakalov, N.Pyrizhok</u> <b>TECTONOMAGNETIC MONITORING OF MODERN GEODYNAMICS OF THE WILHELM ARCHIPELAGO (WEST ANTARCTIC)</b>
15:00– 15:20	<u>O.Ya. Sapuzhak, S.A. Deshchytsya, O.I. Pidvirnyy, V.V. Koliadenko, O.I. Romanyuk, O.V. Syroyezhko, N.V. Zabrodskya</u> <b>PHYSICAL MODELING OF ELECTROMAGNETIC SOUNDINGS FOR GEOLOGICAL CONDITIONS NEAR UKRAINIAN ANTARCTIC AKADEMIK VERNADSKY STATION</b>
15:20– 15:40	<u>V.S. Yatsenko</u> <b>SEARCHING FOR WAYS TO POPULARIZE KNOWLEDGE ABOUT ANTARCTICA FOR CURIOUS STUDENTS</b>
	<b>Poster's presentation and Discussion</b>
15:40– 15:50	<u>S.M. Stadnichenko, V.V. Permiakov, V.I. Bogillo &amp; M.S. Bazylevska</u> <b>PRELIMINARY STUDY OF FRESHWATER LAKE AND SHALLOW POND SEDIMENTS OF THE ISLANDS OF MARITIME ANTARCTICA AND WESTERN COAST OF ANTARCTIC PENINSULA</b>
15:50– 16:00	<u>M. S. Bazylevska &amp; V. I. Bogillo</u> <b>FORMATION OF TRACE GASES IN POLYTHERMAL GLACIER (GALINDEZ ISLAND, MARITIME WEST ANTARCTICA) AND THEIR EMISSION UNDER ACTION OF CURRENT GLOBAL WARMING</b>
16:00– 16:10	<u>V. I. Bogillo &amp; M. S. Bazylevska</u> <b>POSSIBLE IMPACT OF VOLCANIC EMISSION ON THE LOCAL DEPLETION OF OZONE LAYER AND ANTARCTIC ENVIRONMENT</b>
16:10– 16:20	<u>V. I. Bogillo &amp; M. S. Bazylevska</u> <b>POSSIBLE EFFECT OF ELECTRIC FIELD ON THE CHEMICAL REACTIONS AT AIR/WATER INTERFACE OF RESTRICTED SPACE IN SUPERIMPOSED ICE OF POLYTHERMAL ANTARCTIC GLACIERS</b>

**Each presentation: 15 min talk, 5 min questions. Shortening of presentation is welcome.**