

IAC2008
"Ukraine in Antarctica - National Priorities and Global Integration"
International Antarctic Conference – International Polar Year 2007/8
May 23-25, 2008
Kyiv, Ukraine
Program

FRIDAY, MAY 23, 2008

- 8:00-18:00** **Early birds arrival, registration and placement, excursions**
- 18:00-20:00** **Dinner and social**

SATURDAY, MAY 24, 2008

- 07.30-08.30** **Breakfast**
- 08:00-08:45** **Participants arrival, registration and placement**
- 09:00-09:30** **Opening ceremony. Chair: *Dr. Nataliya Shulga***
- 09:30-10:50** **Plenary session. Chair: *Dr. Andrei Utevsky***
- 09:30-09:55 *P. Convey* (British Antarctic Survey, Natural Environment Research Council, Cambridge, UK)
Recent advances and new directions in antarctic biological research
- 09:55-10:20 *P. von der Gathen, M. Rex, Match team* (Alfred Wegener Institute for Polar and Marine Research, Potsdam, Germany)
Current understanding and determination of bipolar stratospheric ozone loss rates
- 10:20-10:50 *V. Rybachuk* (G.M. Dobrov Center for Scientific and Technological Potential and Science History, National Academy of Sciences of Ukraine, Kyiv, Ukraine)
Contribution and priorities of the national Antarctic science in the World informational space: WEB-bibliometric analysis
- 10:50-11:10** **Coffee-break**
- 11:10-13:00** **Plenary session (cont.)**
- 11:10-11:40 *A. Rodger* (British Antarctic Survey, Natural Environment Research Council, Cambridge, UK)
Recent results and future direction of British Antarctic Survey upper atmosphere research
- 11:40-12:05 *K. Gohl* (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Germany)
Do tectonic structures of the Amundsen Sea embayment (West Antarctica) constrain ice-sheet dynamics?
- 12:05-12:30 *U. Mikolajewicz* (Max-Planck-Institut für Meteorologie, Hamburg, German), *M. Vizcaino* (Max-Planck-Institut für Meteorologie, Hamburg, Germany, now at Department of Geography, University of California, Berkeley, USA), *J. Jungclaus* (Max-Planck-Institut für Meteorologie, Hamburg, German), *G Schurgers* (Max-Planck-Institut für Meteorologie, Hamburg, German, now at Institute for Physical Geography and Ecosystem Analysis, Lund University, Sweden)
Simulating the Effect of Ice Sheet Melting on anthropogenic

Climate Change
12:30-13:00 G. Milinevsky (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)
Ukraine Antarctic research 1996-2008: results and challenges

13:00-14:00 Lunch

14:00-15:30 Work in Sections I

BIOLOGY AND ECOLOGY I

14:00-15:30 Co-Chairs: Dr. Andrei Utevsy and Dr. Piero Luporini
14:00-14:15 H.-U. Peter (Polar & Bird Ecology Group, Jena University, Germany),
S. Hahn (Polar & Bird Ecology Group, Jena University, Germany,
Swiss Ornithological Institute, Sempach, Switzerland), M. Kopp (Polar
& Bird Ecology Group, Jena University, Germany), B-U. Meyburg
(WWGBP, Berlin, Germany), R. Phillips (British Antarctic Survey,
Cambridge, Great Britain), M. Ritz (Polar & Bird Ecology Group, Jena
University, Germany)
**Migration and foraging of Antarctic skuas – the use of modern
logger and transmitter technologies**
14:15-14:30 M. Gavrilov (Arctic and Antarctic Research Institute, Saint-Petersburg,
Russia)
**Health of polar seabird populations: Arctic versus Antarctic.
state of knowledge & further research**
14:30-14:45 R. Bargagli (University of Siena, Italy)
Environmental contamination in antarctic ecosystems
14:45-15:00 M. Chesalin (Institute of Biology of the Southern Seas National
Academy of Sciences of Ukraine, Sevastopol, Ukraine)
**The global warming and changes in bird populations near
Ukrainian Antarctic Station Akademik Vernadsky**
15:00-15.15 E. Kravets (Institute of Cellular Biology and Genetic Engineering,
National Academy of Sciences of Ukraine, Kyiv, Ukraine)
**The peculiarity of adaptation features to environmental condition
in reproductive system of *Colobanthus quitensis* and
*Deschampsia antarctica***
15:15-15:30 I. Parnikoza (National Taras Shevchenko University of Kyiv, Kyiv,
Ukraine), I. Dykyy (Ivan Franko National University of Lviv, Lviv,
Ukraine), I. Kozeretska, O. Tyschenko, D. Inozemtseva (National
Taras Shevchenko University of Kyiv, Kyiv, Ukraine)
**Current state of Antarctic herb tundra formation of Argentine
Islands and adjacent archipelagos**

ATMOSPHERE AND NEAR-SPACE PHYSICS I

14:00-15:30 Chair: Dr. Gennadi Milinevsky
14:00-14:20 O. Troshichev, L. Egorova, V. Vovk, A. Janzhura (Arctic and Antarctic
Research Institute, St.Petersburg, Russia)
**The solar wind influence on atmosphere processes in winter
Antarctica**
14:20-14:40 A. Zalozovski (Institute of Radio Astronomy, National Academy of
Sciences, Kharkiv, Ukraine)
**Weather sensitivity of sporadic structures in the ionosphere over
the Antarctic Peninsula**
14:40-15:00 O. Evtushevsky, A. Grytsai (National Taras Shevchenko University of
Kyiv, Kyiv, Ukraine)

- 15:00-15:15 **The features of tropopause position over Polar Regions**
V. Lozitsky (National Taras Shevchenko University, Kyiv, Ukraine)
- 15:15-15:30 **Quasi-stationary planetary waves in ozone distribution in Polar Regions**
S. Sikorsky (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)
Zonal asymmetry of total ozone content and other lower atmosphere parameters above Antarctic region

METEOROLOGY AND CLIMATE I

- 14:00-15:30 **Chair: Dr. Svitlana Krakovska**
- 14:00-14:20 *V. Martazinova, E. Ivanova, V. Tymofeyev (Ukrainian Hydrometeorological Institute, Kyiv, Ukraine)*
Large-scale atmospheric circulation in southern extratropics and regional weather patterns at Antarctic Peninsula
- 14:20-14:40 *Yu. Artamonov, M. Babiy, E. Skripaleva (Marine Hydrophysical Institute of NASU, Sebastopol, Ukraine)*
The interannual variability of the sea surface temperature and oceanic fronts in the Atlantic sector of Antarctica
- 14:40-15:00 *E. Shkolny, E. Galich (Odessa state ecological university, Odessa, Ukraine)*
Features of large-scale circulation atmospheric processes in western sector of the Southern hemisphere
- 15:00-15:15 *N. Shven' (Central Geophysical Observatory, Kyiv, Ukraine), O. Kosovets-Skavronska (Central Geophysical Observatory, Kyiv National Taras Shevchenko University, Kyiv, Ukraine)*
Long standing changes of basic climatic characteristics in the area of Ukrainian Antarctic station Akademik Vernadsky
- 15:15-15:30 *V. Tymofeyev, Gernega A. (Ukrainian Research Hydrometeorological Institute)*
Regional features of climate change at Antarctic Peninsula

GEOLOGY, GEOPHYSICS AND GLACIOLOGY I

- 14:00-16:00 **Chair: Dr. Sergiy Shnyukov**
- 14:00-14:20 *C. Dominguez (Universidad de Salamanca, Salamanca, Spain), A. Eraso (Universidad Politécnica de Madrid, Madrid, Spain)*
Network of glacier discharge monitoring stations for measuring the evolution of global warming
- 14:20-14:40 *S. Savenok, S. Shnyukov, A. Andreiev, O. Andreiev, V. Morozenko, O. Bunkevich (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)*
Single-grain geochemistry of zircon and monazite detrital populations from glacial sediments as a tool for geological study of subglacial terrains of Antarctica: new results of preliminary testing and future trends of development during IPY 2007/2008
- 14:40-15:00 *I. Lazareva, S. Shnyukov, E. Khlon, A. Mitrokhin, Yu. Gasanov (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)*
Integrated geochemical modeling of magmatic systems as applied to 'Circum Antarctic Zircon Census' (CAZIC) project (IPY 2007/2008)
- 15:00-15:15 *A. Andreiev, S. Savenok, O. Andreiev, A. Bunkevich, E. Meshcheryakova (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)*
Zircon and monazite single-grain trace element analysis and dating by XRF milliprobe: application to CAZIC project (IPY 2007/2008)

15:15-15:30 O. Bunkevich, S. Shnyukov, A. Andreiev (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)
Some perspective approaches in interpretation of single-grain geochemical data on detrital populations of wide-spread accessory minerals from subglacial terrains of Antarctica and other regions

15:30-16:00 Coffee-break

16:00-18:15 Work in Sections II

BIOLOGY AND ECOLOGY II

16:00-18:15 Co-Chairs: Dr. Iryna Kozeretska and Dr. Roberto Bargagli
16:00-16:15 S. Mosyakin, L. Bezusko, A. Mosyakin (M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine)
Origin and age of vascular plants (*Deschampsia antarctica* and *Colobanthus quitensis*) in Antarctica: a review of current status and prospects of integral research

16:15-16:30 V. Bibik, B. Trotsenko, L. Pshenichnov (Southern Scientific Research Institute of Marine Fisheries and Oceanography, Kerch, Ukraine)
Antarctic marina living resources and prospects for steady utilization

16:30-16:45 I. Dykyy (Ivan Franko National University of Lviv)
Seals monitoring in the Argentine Islands archipelago area

16:45-17:00 P. Luporini (Dipartimento di Biologia Molecolare Cellulare Animale, University of Camerino, Italy)

Molecular cold adaptation in Antarctic Protozoan ciliates
17:00-17:15 A. Utevsky, S. Utevsky (V.N. Karazin Kharkiv National University, Kharkiv, Ukraine)

Antarctic region is the centre of origin of piscicolid leeches
17:15-17:30 R. Metcheva, L. Yurukova, M. Nedjalkova, Y. Yankov (Institute of Zoology, Bulgarian Academy of Sciences, Sofia, Bulgaria)

Toxic elements in Antarctica top predators
17:30-17:45 G. Shandikov (V.N. Karazin Kharkiv National University, Kharkiv, Ukraine)

On the species composition of icefishes (Perciformes: Channichthyidae) in the Kerguelen Islands area (sub-Antarctica)
17:45-18:00 P. Convey (British Antarctic Survey, Natural Environment Research Council, Cambridge, UK)

Plants as indicators of environmental change in the Antarctic Peninsula region
18:00-18:15 O. Peklo (National Science and Nature Museum of National Academy of Sciences of Ukraine, Kyiv)

On the expansion of the several bird species natural habitats to South in the Graham Land region

18:15-18:30 K. Afanasieva, S. Ryshkovsky, V. Bezrukov (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)
Chromosome aberration in lymphocytes of the Ukrainian Antarctic winterers before and after expeditions

ATMOSPHERE AND NEAR-SPACE PHYSICS II

16:00-17:30 Chair: Dr. Oleg Troshichev
16:00-16:20 S. Chernouss (Polar Geophysical Institute, Apatity, Russia),

N. Kalitenkov (Murmansk State Technical University, Murmansk, Russia)

Auroral disturbances as an indicator of deviations in GPS data in Polar Regions

16:20-16:40 *O. Koloskov (Institute of Radio Astronomy, National Academy of Sciences of Ukraine, Kharkiv, Ukraine)*

Using the electronic geophysical database from station Akademik Vernadsky for the analysis of Alfvén resonance observations

16:40-17:00 *M. Sosonkin (Main Astronomical Observatory of National Academy of Sciences, Kyiv, Ukraine)*

Ozone in troposphere: what for Antarctica?

17:00-17:15 *V. Vojtenko (East-Ukrainian National Volodymyr Dal' University, Lugansk, Ukraine)*

Monitoring of atmospheric parameters from of the secondary space radiation registration in the Antarctic Peninsula area

17:15-17:30 *V. Kravchenko, O. Evtushevsky (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)*

Comparison of the ground-based and satellite total ozone measurements over the Antarctic stations

METEOROLOGY AND CLIMATE II

16:00-17:30 Chair: *Dr. Vladyslav Tymofeyev*

16:00-16:20 *V. Grischenko, V. Tymofeyev, Yu. Tavrov (Ukrainian Hydrometeorological Institute, Kyiv, Ukraine)*

On the state of the glaciation in the Akademik Vernadsky base region during the period of current climate change

16:20-16:40 *S. Kovalenok (Ministry Education and Science of Ukraine, Kyiv, Ukraine), V. Chizhevsky, V. Glotov (National University Lvivska Politechnica, Lviv, Ukraine), V. Vojtenko (East-Ukrainian National Volodymyr Dal' University, Lugansk, Ukraine)*

Antarctic Peninsula regional climate warming impact on small ice caps

16:40-17:00 *V. Vojtenko (East-Ukrainian National Volodymyr Dal' University, Lugansk, Ukraine), S. Kovalenok (Ministry Education and Science of Ukraine, Kyiv, Ukraine)*

Monitoring of the acoustic sea activity and the acoustic small ice caps crack emissions for study of the Antarctic Peninsula regional climate

17:00-17:20 *E. Galat, T. Danova (Odessa state ecological university, Odessa, Ukraine)*

Dynamics of ice cover of Antarctic seas in the process of modern climatic changes

17:20-17:25 *V. Lisovodsky, V. Dolia (Odessa state ecological university, Odessa, Ukraine)*

Regional changes of hydrometeorology conditions in the south-west sector of Atlantic

17:25-17:30 *V. Ukrainsky, Yu. Popov (Ukrainian Center of Sea Ecology, Odessa, Ukraine), V. Sytov, I. Neverovsky (Hydrometeorology Center of Black and Azov Seas, Odessa, Ukraine)*

Characteristic of tidal currents according to natural observations in the Argentina Islands archipelago region

GEOLOGY, GEOPHYSICS AND GLACIOLOGY II

- 16:00-17:30** **Co-Chairs: Dr. Sergiy Shnyukov, Dr. Carsten Gohl**
 16:00-16:20 S. Shnyukov, S. Savenok, A. Andreiev, I. Lazareva (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)
Circum Antarctic Zircon Census (CAZIC/Plates & Gates/IPY 2007-2008): main trends of development as a global project of earth crust monitoring
- 16:20-16:40 V. Kobolev (Institute of Geophysics, National Academy of Sciences of Ukraine, Kyiv, Ukraine)
The riftogenic nature of Antarctica in context of Earth's hot belts
- 16:40-17:00 M. Orlyuk, A. Romenets (Institute of Geophysics, National Academy of Sciences of Ukraine, Kyiv, Ukraine)
Geomagnetic maps of the region of the station Akademik Vernadsky: geological and ecological aspects
- 17:00-17:15 O. Liashchuk, E. Kariagin, I. Kachalin (Main Centre of Special Monitoring National Space Agency of Ukraine, Makariv-1, Kyiv Region, Ukraine)
The complex researches of the dangerous geophysical phenomena in region of the Vernadsky Station
- 19:00-21:00** **Dinner and Social**

SUNDAY, MAY 25, 2008

- 07:30-08:30** **Breakfast**
9:00-10:30 **Work in Sections III**

BIOLOGY AND ECOLOGY III

- 9:00-11:00** **Co-Chairs: Dr. Peter Convey and Dr. Iryna Kozeretska**
 9:00-9:15 I. Kozeretska, I. Parnikoza (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine), S. Korsun (Institute of Agriculture of the Ukrainian Academy of Agrarian Sciences, Kyiv, Ukraine)
Human impact evaluation on Antarctic herb tundra formation of Arctowski ice-free area
- 9:15-9:30 S. Bushuyev (Odessa Center of Southern Scientific Research Institute of Marine Fisheries and Oceanography ("YugNIRO"), Odessa, Ukraine)
The Ukrainian data on feeding and food objects of southern minke whales
- 9:30-9:45 G. Shandikov (V.N. Karazin Kharkiv National University, Kharkiv, Ukraine), V. Herasymchuk (State Committee for Fisheries of Ukraine, Kyiv, Ukraine), L. Pshenichnov (Southern Scientific Research Institute of Marine Fisheries and Oceanography, Kerch, Ukraine)
Cetaceans of the Antarctica, whaling and investigations
- 9:45-10:00 K. Janko, C. Marshall, A. DeVries, G. Lecointre (Institute of Animal Physiology and Genetics, Czech Academy of Sciences, Libechov, Czech Republic)
Does the life history affect the ability of Antarctic fish to cope with climatic changes? – population genetic approach
- 10:00-10:15 O. Mustafa, C. Braun, S. Pfeiffer, H.-U. Peter (Polar & Bird Ecology Group, Institute of Ecology, University of Jena, Germany)
Spatial analysis of potential conflicts between visitors and fauna at Fildes Peninsula (King George Island, Antarctica)
- 10:15-10:30 L. Pshenichnov (Southern Scientific Research Institute of Marine Fisheries and Oceanography, Kerch, Ukraine)

Basic biological resources of the high-latitude seas of the Southern Ocean and their efficient use

10:30-10:45 V. Bogillo, M. Bazylevska (Institute of Geological Sciences, National Academy of Sciences of Ukraine, Kyiv)

The transport, partitioning and fate of the persistent organic pollutants in Antarctica

10:45-11:00 P. Zehntindjev, R. Metcheva (Institute of Zoology, Bulgarian Academy of Sciences, Sofia, Bulgaria), V. Bezrukov (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine), P. Jouventin, M. de Dinechin (Equipe Ecologie Comportementale CEFE/CNRS UMR, Cedex, France)

Genetic variability in four gentoo penguin populations (*Pygoscelis papua*)

ATMOSPHERE AND NEAR-SPACE PHYSICS III

09:00-10:30 Chair: **Dr. Sergey Chernouss**

09:00-9:20 G. Milinevsky, A. Evtushevsky, A. Grytsai (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine), A. Klekociuk (Australian Antarctic Division, Kingston, Australia)

Planetary waves in total ozone distribution and tropopause height asymmetry in connections to Antarctic Peninsula warming

9:20-9:40 V. Lisachenko, Y. Zanimonskiy, A. Sopin (Institute of Radio Astronomy NAS, Kharkiv, Ukraine), P. Wielgosz (University of Warmia and Mazury in Olsztyn, Poland)

Ionosphere Total Electron Content variations by the GNSS data: Antarctic Peninsula region Investigations

9:40-10:00 V. Lozitsky (National Taras Shevchenko University, Kyiv, Ukraine)

Adaptation of the SCIATRAN radiative transfer model for ozone profiles retrieval from spectra of solar TII spectrometer with CCD detection system

10:00-10:15 O. Shlyakhovenko (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)

Whether there is asymmetry in "semi-global" ozone content in the Earth' stratosphere?

10:15-10:30 **ANSP Section discussion and decision**

METEOROLOGY AND CLIMATE III

9:00-10:30 Chair: **Dr. Svitlana Krakovska**

9:00-9:20 O. Prokofyev, T. Danova (Odessa state ecological university, Odessa, Ukraine)

Description of temperature and regime of humidity of troposphere above Antarctic continent

9:20-9:40 S. Krakovska (Ukrainian Hydrometeorological Institute, Kyiv, Ukraine)

Ice forming processes in Antarctic mixed-phase clouds

9:40-10:00 Y. Zanimonskiy (Institute of Radio Astronomy National Academy of Sciences of Ukraine, Kharkiv, Ukraine), J. Krynski (Institute of Geodesy and Cartography, Warsaw, Poland), G. Milinevsky, V. Danylevsky (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)

Common features of the sea level records at Antarctic Peninsula and South America tide gauges

10:00-10:15 B. Kapochkin, V. Doliā (Odessa State Ecological University, Odessa, Ukraine)

- 10:15-10:30 **Geodynamic processes in Antarctica as a cause of global changes of movable spheres of the Earth**
MC Section discussion and decision
- 10:30-12:30 **POSTER SESSION AND COFFEE-BREAK**
- 11:00-14:00 **SCHOOL-TRAINING FOR YOUNG SCIENTISTS**
(Sponsored by the Ministry of Family, Youth and Sport)
Instructors **Dr. O. Mustafa, Dr. A.Utevsky and Dr. Ye.Dyky**
- 12:30-14:00 **Session and discussion «Sustainable use of Antarctic resources»**
Co-chairs: Dr. Volodymyr Herasymchuk, Dr. Gennadi Milinevsky, Dr. Leonid Pshenichnov
V. Herasymchuk (State Committee for Fisheries of Ukraine, Kyiv, Ukraine)
Fishing and scientific research in Antarctica
G. Milinevsky (Antarctic Krill Conservation Project, Kyiv, Ukraine), I. Mikityuk (AKCP - Antarctic and Southern Ocean Coalition, representative in Ukraine, Kyiv, Ukraine)
Antarctic krill conservation project (AKCP), climate change aspects
B. Trotsenko, V. Bibik, L. Pshenichnov, O. Bityuyska (Southern Scientific Research Institute of Marine Fisheries and Oceanography, Kerch, Ukraine)
On the development of the Complex National Program of Ukraine on utilization of Antarctic Seas marine living resources
V. Spiridonov, O. Kirillova, A. Chernetskiy (P.P. Shirshov Institute of Oceanology of Russian Academy of Sciences, Moscow, Russia)
En route census of marine mammals as potential ecosystem monitoring tool
- 14:00-15:00 **Lunch**
- 15:00-16:30 **Round table “Future of the Ukrainian Antarctic research and development”. Conference recommendations and resolution adoption**
Co-Chairs: Dr. Nataliya Shulga, Dr. Victor Svizhenko and Dr. Yaroslav Yatskiv
- 16:30-17:00 **Closing and Departure**

Poster program
SUNDAY, MAY 25, 2008

- BE-P1 *I. Terenetska (Institute of Physics, National Academy of Sciences of Ukraine, Kyiv, Ukraine)*
Direct monitoring of vitamin D synthetic capacity of sunlight and artificial UV sources for prevention of vitamin D deficiency at polar explorers
- BE-P2 *V. Gorobchishin, I. Kozeretska (Taras Shevchenko National University*

- of Kyiv, Kyiv, Ukraine)
- Dynamics of age and sex structure of population of *Boeckella poppei* (Mrázek, 1901) (Copepoda: Centropagidae) of Lake Wujka, King George Island, in 2005-2006 season**
- BE-P3 A. Dranitsina (Scientific Research Institute of Physiology After Academician Peter Bogach of the National Taras Shevchenko University of Kyiv, Kyiv, Ukraine), G. Telegeev, M. Dybkov (Institute of Molecular Biology and Genetics of National Academy of Sciences of Ukraine, Kyiv, Ukraine), I. Chumachenko (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine), S. Maliuta (Institute of Molecular Biology and Genetics of National Academy of Sciences of Ukraine, Kyiv, Ukraine), V. Bezrukov (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)
- Analysis of gentoo penguin's (*Pygoscelis papua*) polymorphism by means of different DNA markers**
- BE-P4 N. Taran, L. Batsmanova, A. Okanenko, N. Svyetlova (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)
- Oxidation stress action on *Deschampsia antarctica* one of higher plants species of Antarctic biota**
- BE-P5 M. Gavriilo (Arctic & Antarctic Research Institute, Saint-Petersburg), K. Afanasieva, T. Vasilenko (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine), A. Volkov (Foundation Sustainable Development, Moscow, Russia)
- Cytogenetic parameters of chromosomal instability as an index for the population state of indicator species of high-latitude marine ecosystems with the ivory gull (*Pagophila eburnea*) as an example**
- BE-P6 Yu. Hihiniak (State Scientific Production Association «Scientific-Practical Center of the National Academy of Sciences of Belarus for Biological Resources», Minsk, Belarus)
- Features of biology and caloric content of invertebrates from Antarctic sublittoral**
- BE-P7 M. Vergolyas (A.V. Dumansky Institute of Colloid Chemistry and Water Chemistry, Kyiv, Ukraine), V. Bezrukov (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine), L. Manilo (National Museum of Nature, National Academy of Sciences of Ukraine, Kyiv, Ukraine)
- The blood formula description of the three Antarctic fish species**
- BE-P8 A. Utevsy (V.N. Karazin Kharkiv National University, Kharkiv, Ukraine), Ye. Dyky (National University "Kyiv – Mohyla Academy", Kyiv, Ukraine)
- Methodology and methodic of the benthos community complex monitoring at the Antarctic Peninsula shelf**
- BE-P9 D. Lytvyn, A. Yemets, G. Portnichenko, Y. Blume (Institute of Cell Biology and Genetic Engineering, Kyiv, Ukraine)
- UV-B overexposure induces programmed cell death in plant cells**
- BE-P10 A. Camacho (Cavanilles Institute of Biodiversity and Evolutionary Biology & Department of Microbiology and Ecology. University of Valencia. E-46100 Burjassot, Spain)
- Climate warming in the maritime Antarctica and sub-Antarctic islands: a chance for strongest biotic interactions?**
- ANSP-P11 K. Laska, P. Prošek (Department of Geography, Faculty of Science, Masaryk University, Brno, Czech Republic), L. Budík (Czech Hydrometeorological Institute, Brno Regional Office, Brno, Czech Republic), M. Budikova (Department of Mathematics and Statistics, Faculty of Science, Masaryk University, Brno, Czech Republic),

- G. Milinevsky (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)
Prediction of erythemally effective uv radiation by means of nonlinear regression model
- ANSP-P12 S. Kovalenok (Ministry Education and Science of Ukraine, Kyiv, Ukraine), O. Evtushevsky, A. Grytsai (National Taras Shevchenko University of Kyiv, Kyiv, Ukraine)
Antarctic total ozone distribution climatology and asymmetry in connection with possible impact on ecosystem
- ANSP-P13 O. Burgaz (Odessa state environmental university, Odessa, Ukraine)
Structure of the fields of total content of ozone and its connection with circulation processes of South Hemisphere
- ANSP-P14 Ye. Serdyuk (National Antarctic Scientific Center of Ukraine of Ministry Education and Science of Ukraine, Kyiv, Ukraine)
Search of the troposphere disturbance influence on E_s layer in the Antarctic Peninsula region
- ANSP-P15 J. Biszczuk (Centre of Aerology, Institute of Meteorology and Water Management)
Antarctic ozone hole – signature in UV measurements on the Henrik Arctowski Polish Antarctic Station during the period 2003-2007
- MC-P16 V. Ukrainsky, Yu. Popov (Ukrainian Center of Sea Ecology, Odessa, Ukraine), V. Sytov, I. Neverovsky (Hydrometeorology Center of Black and Azov Seas, Odessa, Ukraine)
Characteristic of tidal currents according to natural observations in the argentina islands archipelago region.
- MC-P17 V. Lisovodsky, V. Doliia (Odessa State Ecological University, Odessa, Ukraine)
Regional changes of hydrometeorological conditions in the South-West sector of Atlantic in 2005
- GGG-P18 O. Liashchuk (Main Centre of Special Monitoring National Space Agency of Ukraine, Makariv-1, Kyiv Region, Ukraine), V. Vashchenko (National Antarctic Scientific Center, Kyiv, Ukraine), V. Gukov, I. Kachalin (Main Centre of Special Monitoring National Space Agency of Ukraine, Makariv-1, Kyiv Region, Ukraine)
Seismic observation in the Argentina Islands region
- GGG-P19 J. Cisak (Institute of Geodesy and Cartography, Warsaw, Poland), Y. Zanimonskiy (Institute of Radio Astronomy, Kharkiv, Ukraine)
Investigations of the GNSS antennae to detect near-field effects under antenna calibration procedure
- G-P20 N. Videnina, V. Rybachuk (G.M. Dobrov Center for Scientific and Technological Potential and Science History, National Academy of Sciences of Ukraine, Kyiv, Ukraine)
Ukraine research in Antarctica: presentation and scientometric analysis of the Ukrainian scientist publications bibliography (1997 – 2007)