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## 21 AUGUST 2011

### ARRIVAL AND REGISTRATION

21 August	Registration
14.00-18.00	Paleontological Museum: The Main Campus of Odessa I.I.Mechnikov National University, 2, Dvoryanskaya str., Odessa
25 August	Tel : +380 48 723-02-08; Email: valyan@onu.edu.ua
10.00-18.00	

### ICE-BREAKING PARTY

21 August	Paleontological Museum: The Main Campus of Odessa I.I.Mechnikov National University, 2, Dvoryanskaya str., Odessa
18.00-19.00	

## 22-24 AUGUST 2011: FIELD TRIPS

### 22 AUGUST

8.30 - Return to Odessa in the evening.	Field Trip No. 1. Early Iron Age archaeological and geological sites of the Budzhak region. Multi-layer archaeological site of Orlovka (Kartal) - with special emphasis on remnants of the Roman limes and Danube crossing place. Geological outcrops of Orlovka. Visit to the town of Izmail and lunch there. Ozernoe geological site. Overview of the remains of Trajan's Rampart (Early Iron Age defensive bank). Visit to the Bronze and Early Iron Age kurgan field near Sarata urban village along the Odessa - Izmail road.
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### 23 AUGUST

8.30 - Return to Odessa in the evening.	Field Trip No 2. Early and Middle Holocene archaeological and geological sites of the Budzhak region. Late Mesolithic sites of Vasilievka and Trapovka, and Recent Bronze Age site of Trikhatki with special attention to their geology and stratigraphy. Modern sedimentation process due to Danube delta prograding at Primorskoe-Sasyk spit. Lunch near the seashore beach (Zhebriany Bay).
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## 24 AUGUST

8.30- Return to Odessa in the evening. Field Trip No 3. Early Mesolithic site of Beloles'e: an example of a geoarchaeological case study. Visit to Vilkovo town with special emphasis on the traditional culture of Russian Old-Believers (staroobriadtsy) and on the system of small river channels (erik). Trip by boat to the Danube delta's 'Zero kilometer' of Danube River (Ankundinov Island).

## CONFERENCE DINNER

24 August  
18.00 Conference dinner with Russian Old-Believers' specialty "Tsarskaya ukha" (traditional high quality fish soup) on the Danube bank at Vilkovo (immediately following Field Trip No. 3).

## 25 - 27 AUGUST 2011: TECHNICAL SESSIONS

Conference Hall: The Main Campus of Odessa I.I.Mechnikov National University, 2, Dvoryanskaya str., Odessa

## 25 AUGUST 2011

Chairpersons: Olena SMYNTYNA (Ukraine)

10.00-10.20 WELCOME  
Koval, I.N., Rector of Odessa I.I.Mechnikov National University  
Smyntyna, O. V., President of the Conference

10.20-10.40 INQUA 501 Report (2005-2010)  
*Yanko-Hombach, V., Leader of INQUA 501*

## PANEL 1: MODELLING

Moderators: Nikolay ESIN (RUSSIA) and Alexander KISLOV (RUSSIA)

Chairpersons: Graeme SARSON (UK)  
Ken WALLACE (Canada)

10.40-11.20 Key-note **Bayesian parameter estimation and inference for a wavefront model of the Neolithization of Europe.**  
*Sarson, G.R., Baggaley, A.W., Boys, R.J., Golightly, A., Shukurov, A., and Videiko, M. Yu. (UK, Ukraine)*

11.20-11.40	Estimations of the possible fluctuations in Black Sea level during the Holocene. <i>Esin, N.V., and Esin, N.I. (Russia)</i>
11.40-12.00	<b>Coffee Break (Paleontological Museum)</b>
12.00-12.20	Comparison of sea level change in the Atlantic Ocean, Mediterranean and Black seas. <i>Yanko-Hombach, V., Likhodedova, O., and Larchenkov, E. (Ukraine, Canada)</i>
12.20-12.40	On change in the level of the World Ocean during the Holocene. <i>Esin, N.V. and Esin, N.I. (Russia)</i>
12.40-13.00	A model of sustainable development for a marine near-shore ecosystem. <i>Mazlumyan, S. A. (Ukraine)</i>
13.00-14.20	<b>Lunch</b>

## PANEL 2: PALEOGEOGRAPHIC AND PALEOCEANOGRAPHIC RECONSTRUCTIONS

Moderators: Nikolay PANIN (Romania) and Andrei CHEPALLYGA (Russia)

Chairpersons:	Tamara YANINA (Russia) Josef MART (Israel)
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14.20-15.00	<b>The influence of extreme environmental events on human and language evolution in the Ponto-Caspian region.</b> <i>Chepalyga, A. (Russia)</i>
Key-note	
15.00-15.20	Mollusk ecology as evidence of a gradual Holocene rise in the level of the Black Sea. <i>Bondarev, I.P. (Ukraine)</i>
15.20-15.40	Sea-water input to Lake Iznik, NW Turkey at 40 ka BP based on AMS-radiocarbon record from fossil <i>Cerastoderma glaucum</i> shells. <i>Erginal, A.E. (Turkey)</i>
15.40-16.00	<b>Coffee Break (Paleontological Museum)</b>
16.00-16.20	New records of uplifted marine deposits and submerged beachrock in Marmara Archipelago, Turkey. <i>Ertek, T.A., Kiliç, E., and Erginal, A.E (Turkey)</i>
16.20-16.40	C14 dating and facies control of paleo-shorelines location on NW Black Sea shelf in Holocene. <i>Kadurin, S., and Larchenkov, E. (Ukraine)</i>
16.20-16.40	Holocene evolution of the channel network complex and redox conditions in the Istanbul Strait outlet area of Black Sea: influence of the Mediterranean inflow. <i>Çağatay, M.N., Erdem, Z., Ülgen, U.B., Damci, E., Acar, D., Holtappels, M., and Lichtschlag A. (Turkey)</i>
16.40-17.00	Late Quaternary spatiotemporal analysis of palaeoenvironment in Western Eurasia. <i>Bostonaliev, Zh., Kaiser, E., and Schütt, B. (Germany)</i>

17.00-17.20	Holocene coastlines position reconstruction within the northwestern Black Sea Shelf. <i>Tyuleneva, N.V., and Suchkov, I.A. (Ukraine)</i>
17.20-17.40	Patterns of formation and development easements of the Imereti lowland (evidence from the development of a general plan for location of events during the Winter Olympics “Sochi-2014”). <i>Balabanov, I.P., Nikiforov, S.P., and Manucharyants, E.M. (Russia)</i>
17.40-18.00	<b>Questions and discussion</b>

## 26 AUGUST

### PANEL 2: PALEO GEOGRAPHIC AND PALEOCEANOGRAPHIC RECONSTRUCTIONS

Moderators: Nikolay PANIN (Romania) and Andrei CHEPALYGA (Russia)

Chairpersons:	Ahmet Evren ERGINAL (Turkey) Catalin Alexandru LAZAR (Romania)
10.00-10.20	New insight on Pleistocene Black Sea-Marmara connections. <i>Trutnau, H. (Germany)</i>
10.20-10.40	Sea-level rise and fall in historic times: Evidence from coastal Israel. <i>Mart, Y. (Israel)</i>
10.40-11.00	Pleistocene water intrusions from the Mediterranean and Caspian Seas into the Black Sea: Reconstructions based on foraminifera. <i>Yanko-Hombach, V., and Motnenko, I. (Ukraine, Canada)</i>
11.00-11.20	Climate and salinity of the western Black Sea and Marmara Sea during the Paleolithic transition, late glacial maximum and pre Boreal interval, 40,000 – 12,000 cal BP. <i>Mudie, P.J., Roberts, K. L., Aksu, A.E., and Hiscott, R. N. (Canada)</i>
11.20-11.40	Continental extension and ancient sites of settlements in SW Turkey. <i>Koral, H., and Sengul, A. (Turkey)</i>
11.40-12.00	<b>Coffee Break</b> <b>(Paleontological Museum)</b>

### PANEL 3: DEGASSING OF THE BLACK SEA

Moderators: Evgeny SHNYUKOV (Ukraine) and Valentina YANKO-HOMBACH (Ukraine, Canada)

Chairpersons:	Nelly SERGEEVA (Ukraine) Namik Çağatay (Turkey)
12.00-12.20	The role of geological factors in the formation of H <sub>2</sub> S contamination in the Black Sea. <i>Shnyukov, E., and Yanko-Hombach, V. (Ukraine, Canada)</i>

12.20 - 12.40	Ecological aspects of mud volcano activities in the Azov-Black Sea region. <i>Maslakov, M., Shnyukov, E., and Yanko-Hombach, V. (Ukraine, Canada)</i>
12.40 - 13.00	<b>Questions and discussion</b>
13.00 – 14.20	<b>Lunch</b>

#### **PANEL 4: RECENT ECOSYSTEMS**

Moderators: Nelly SERGEEVA (Ukraine) and Valentina YANKO-HOMBACH (Ukraine, Canada)

14.20-15.00 Key-note	<b>Change in ecosystem of the North-Western Black Sea.</b> <i>Loyeva, I.D., Komorin, V.N., Ukrayinskiy, V.V., Kovalyshyna, S.P., Popov, Y.I., Orlova, I.G., Terenko, G.V., Grandova, M. A. (Ukraine)</i>
15.00-15.20	Contemporary state of meiobenthos in the Black Sea. <i>Vorobyova, L.V., and Kulakova, I.I. (Ukraine)</i>
15.20-15.40	Response of meiobenthos communities to hypoxia in the Black Sea coastal zone (Tarkhankut, Crimea). <i>Sergeeva, N., Kononov, S., Kolesnikova, E., and Chekalov, V. (Ukraine)</i>
15.40-16.00	<b>Coffee Break (Paleontological Museum)</b>
16.00-16.20	Response of foraminifera and ostracoda to methane emissions in the Black Sea. <i>Yanko-Hombach, V., and Kondaryuk, T. (Ukraine, Canada)</i>
16.20-17.00	<b>Guided Tour of the Paleontological Museum</b>
17.00-18.00	<b>Guided Tour of the Archaeological Museum</b>

## **27 AUGUST**

#### **PANEL 5: ARCHAEOLOGY, HISTORY, AND ETHNOLOGY**

Moderator: Olena SMYNTYNA (Ukraine)

Chairpersons:	Olena SMYNTYNA (Ukraine) Catalin LAZĂR (Romania)
10.00-10.40 Key-note	Paleoenvironment and human occupation at the site of Zaliznychne in the light of neolithization in the Lower Danube region of Ukraine. <i>Smyntyna, O.V. (Ukraine)</i>
10.40-11.00	The issue of the “Steppe Neolithic” in the northwestern Black Sea area. <i>Kiosak, D. (Ukraine)</i>
11.00-11.20	Around the Black Sea: Landscape archaeology of the Mostiștea Valley in prehistory. <i>Lazăr, C., Florea, M., and Bem, C. (Romania)</i>

11.20-11.40	Chalcolithic occupational patterns in the wetland area of the Lower Danube Basin. <i>Bem, C., and Haită, C. (Romania)</i>
11.40-12.00	<b>Coffee Break</b> <b>(Paleontological Museum)</b>
12.00-12.20	Rapid environmental change: cultural feedback and biodiversity management strategies in the Danube delta at the end of the Neolithic. <i>Haită, C., Micu, C., Carozza, J.-M., Carozza, L., Bălăşescu, A., Radu, V., Burens, A., Mihail, F., Ailincăi, S., Furestier, R., and Florea, M. (Romania, France)</i>
12.20-12.40	Late Quaternary morphology, beach deposits, sea-level changes, and uplift along the coast of Cyprus and its possible implications for early colonists. <i>Galili, E., Sevketoglu, M., Salamon, A., Zviely, D., Mienis, H. K., Rosen, B., and Moshkovitz, S.</i>
12.40-13.00	<b>Questions and discussion</b>
13.00-14.20	<b>Lunch</b>

## PANEL 6: GEOINFORMATION SYSTEM

Moderator: Ken WALLACE (Canada)

14.20-15.00	<b>Looking Forward is more than just looking Back.</b> Key-note <i>Wallace K.N., Mudie, P.J., and Marinova, E. (Canada)</i>
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15.00-16.00	<b>POSTER SESSION</b> (Lobby of the main Campus)
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An overview of IGCP 521 and INQUA 501 projects “Caspian-Black Sea-Mediterranean Corridor during the last 30 ka: Sea level change and human adaptive strategies”. <i>Yanko-Hombach, V. (Ukraine, Canada)</i>
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## Geodynamics and Active Tectonics

Moderators: Hayrettin KORAL (Turkey) and Evgeny LARCHENKOV (Ukraine)

Aerosol precursors of earthquakes and volcanic eruptions: the 2010 expedition on the Elbrus volcano. <i>Alekseev, V.A., Aleksandrov, P.A., Alekseeva, N.G., Daniyalov, M.G., Maslakov, O.Yu., and Khalimullin, Yu.A (Russia)</i>
Geodynamic factors in the shaping of the environment for biological organisms in the Black Sea. <i>Chepizhko, O.V. (Ukraine)</i>
The development of river valleys in the Eastern Caucasus during the Upper Pleistocene. <i>Idrisov, I.A. (Russia)</i>
On the prognostic role of helium in connection with seismic events of the Caucasus and cross-border regions. <i>Saidov, O.A., Suleymanov, A.I., and Ismailov, A.Sh. (Russia)</i>
The Chirkei reservoir and technogenic seismicity. <i>Suleymanov, A.I., Saidov, O.A., and Ismailov, A.Sh. (Russia)</i>

## Sea Level Changes and Paleoenvironmental Reconstructions

Moderators: Nikolay PANIN (Romania) and Andrei CHEPALYGA (Russia)

Investigations in the rising coastal area of northwestern Turkey with respect to global sea-level changes in the Black Sea: evidence from geomorphological units.

*Aytac, A. (Turkey)*

Burtassky Lake in the Manych trough and the functioning of the Manych passage in the Late Pleistocene.

*Badyukova, E.N. (Russia)*

Genesis, composition and properties of the sapropel sediments.

*Dimitrov, D. (Bulgaria)*

Late Holocene sea-level change in the northeastern Black Sea from archaeological and geomorphological indicators.

*Kaplin, P. and Porotov, A. (Russia)*

Changes in the level of the Black Sea (NW Black Sea region) in today's climate change.

*Likhodedova, O.G. (Ukraine)*

The beginning of the eustasy along the Western coast of Black Sea.

*Peychev, V., and Peev, P. (Bulgaria)*

Raw data from the Black Sea expedition in the year 2009.

*Slavova, K.R. (Bulgaria)*

Correlation of the Late Pleistocene paleogeographical events of the Caspian Sea and Russian Plain.

*Yanina, T.A. (Russia)*

Caspian-Black Sea-Mediterranean climatic, archaeological, and paleogeographic correlations.

*Yurkovets, V.P. (USA)*

## Recent Ecosystems

Moderator: Nelly SERGEEVA (Ukraine) and Valentina YANKO-HOMBACH (Ukraine, Canada)

Biophysical characteristics of marine bottom sediments with high content of sulfur compounds (local chemical contamination).

*Smyrnova, L.L., Antonova, L.S., and Misura A.G. (Ukraine)*

## Palynology, Paleontology, and Biostratigraphy

Moderators: Petra MUDIE (Canada) and Valentina YANKO-HOMBACH (Ukraine, Canada)

The role of bacteria in the preservation of soft tissue in unicellular and multicellular organisms in the fossil state.

*Gerasimenko, L.M., and Ushatinskaya, G. T. (Ukraine)*

New data on the Middle and Late Holocene environmental changes from the Saki Lake, Crimea (Ukraine).

*Gerasimenko, N., Subetto, D., Bakhmutov, V., Dubis, L., and Gladyshevskaya M. (Ukraine, Russia)*

Environment and subsistence during the Mesolithic-Chalcolithic in Southern Ukraine (based on palynology and ethnobotany).

*Gerasimenko, N., and Pashkevich, G. (Ukraine)*



Archaeobotanical aspects of settlement Orlovka.

*Pashkevich, G. (Ukraine)*

Holocene foraminiferal associations of the Sea of Azov.

*Pinchuk, T. (Russia)*

### **Archaeology, History, and Ethnology**

Moderator: Olena SMYNTYNA (Ukraine)

Northern Pontic Impresso ware: A new approach to the problem of neolithization of the northern Black Sea area.

*Gaskevych, D.L. (Ukraine)*

Issues in the human use of caves in Western Ukraine.

*Matskevych, L.G., and Panakhyd, H. (Ukraine)*

16.00-16.20

**Coffee Break**  
**(Paleontological Museum)**

### **Round Table Discussion**

Moderators: Petra MUDIE (Canada) and Valentina YANKO-HOMBACH (Ukraine, Canada)

16.20-17.00

Round Table Discussion: What next? Filling in the blanks, connecting the dots and drawing the big picture for a final book on "30,000 years of landscape change and human response in the Black Sea-Aegean Corridor".

17.00-17.20

**Closing Remarks**

17.20

**Sightseeing Tour and Other Cultural Events**

(to be announced)

**28 AUGUST**

**DEPARTURE TO RESPECTIVE COUNTRIES**