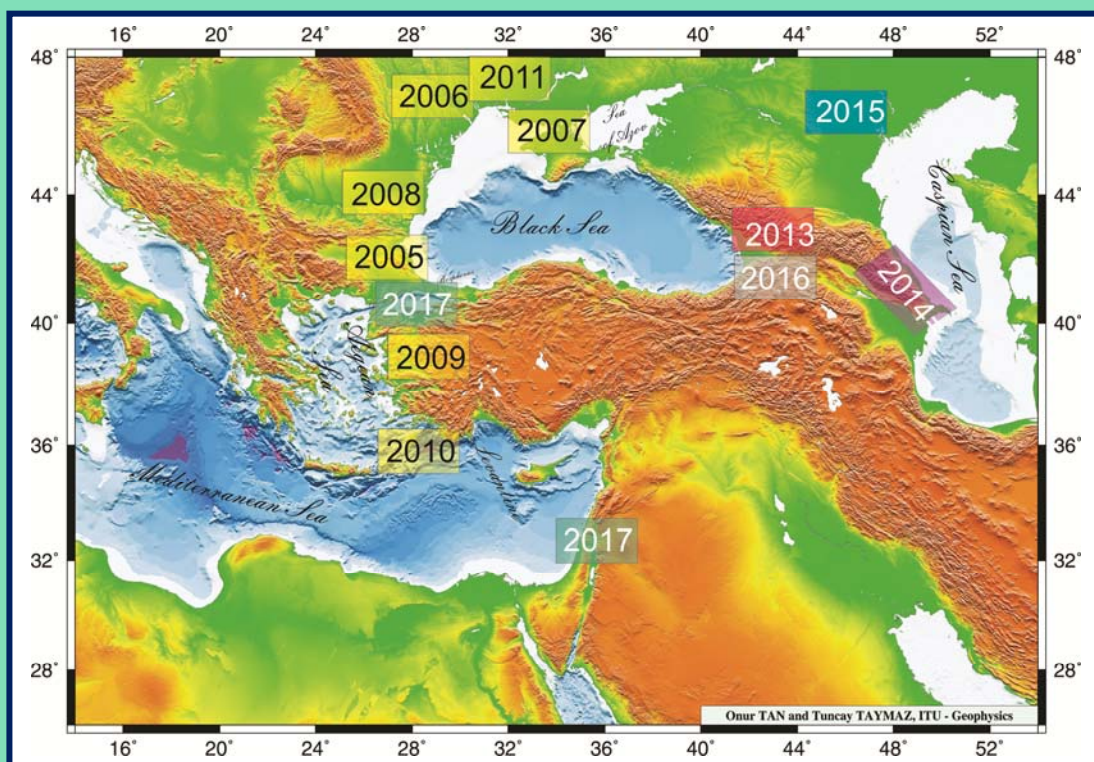


IGCP 610

From the Caspian to Mediterranean:

Environmental Change and Human Response during the Quaternary



PROGRAMME



The Fourth Plenary Meeting and Field Trip
Tbilisi, Georgia
2-9 October 2016

Programme of IGCP 610 Fourth Plenary Meeting and Field Trip, Tbilisi, Georgia, 2-9 October 2016

2 October 2016

- 17.00 – 19.00 **Registration**
Georgian National Academy of Sciences.
Address: 52 Rustaveli Ave, Tbilisi, Georgia 001078.
Telephone: +99532996445; +99532998891
Fax: +99532990052
E-mail: eteri.igcp610@gmail.com; eterikilas@mail.ru
- 19.00 – 21.00 **Ice-Breaking Party**

3 October 2016

- 9.00 – 18.10 **Registration**
Georgian National Academy of Sciences.
Address: 52 Rustaveli Ave, Tbilisi, Georgia 001078.
Telephone: +99532996445; +99532998891.
Fax: +99532990052.
E-mail: eteri.igcp610@gmail.com; eterikilas@mail.ru
- 9.00 – 18.00 **Technical Sessions**
Georgian National Academy of Sciences.
Address: 52 Rustaveli Ave, Tbilisi, Georgia 001078.

4 October 2016

- 9.00 – 18.00 **Technical Sessions.**
Georgian National Academy of Sciences.
Address: 52 Rustaveli Ave, Tbilisi, Georgia 001078.
Sightseeing Tour 2: Historic Motley Sulfur Bath in Tbilisi.

5 October 2016

- 9.00 – 21.00 **Field Trip 1:**
Depart from Tbilisi. Tbilisi – Jvari Monastery -Grakaliani hill -Upliscixe - Mtskheta – Tbilisi.
Return to Tbilisi the same hotel as you booked. Overnight accommodations in Tbilisi.

6 October 2016

- 9.00 – 18.00 **Field Trip 2.**
Depart from Tbilisi. Return to the hotel Tbilisi – Ujarma – Gombori pass –Thurdo Akchagylian-Absheronian section - Alaverdi – Kvareli (Wine-test in Kvareli wine tunnels) – Kachreti.
Accommodation in the hotel «Kachreti-Ambasador».

«Kachreti-
Ambassador»

7 October 2016

9.00 – 18.00	Field Trip 3.
Depart from the hotel «Kachreti-Ambassador»	Hotel “Kachreti-Ambassador” – Shiraki plain (Kvabebi– Akchagylian-Absheronian section) – Khornabudgi (Castle of Queen Tamara) - hotel «Kachreti-Ambassador».
Return to the same hotel	Conference Dinner. Accommodation in the hotel «Kachreti-Ambassador».

8 October 2016

9.00 – 18.00	Field Trip 4.
Depart from the hotel «Kachreti-Ambassador»	Hotel “Kachreti-Ambassador”– David Gareji half-desert – Tbilisi.
Return to Tbilisi the same hotel as you booked.	Accommodation in Tbilisi. Sightseeing Tour 1: Old Tbilisi.

9 October 2016

Departure from Tbilisi to respective countries.

3 October 2016

TECHNICAL SESSIONS Georgian National Academy of Sciences 52 Rustaveli Ave, Tbilisi, Georgia 001078

Chairpersons:	Valentina YANKO-HOMBACH (Ukraine, Canada) and Irakli GAMKRELIDZE (Georgia)
9.00 – 9.20	Welcome <i>Kvesitadze G., Academic, President of Georgian National Academy of Science (Georgia)</i> <i>Gamkrelidze, I., Academic-Secretary of Georgian National Academy of Science, President of the Conference (Georgia)</i>
9.20 – 9.30	Fourth year progress report of IGCP 610 <i>Yanko-Hombach, V. Co-Leader of IGCP 610 (Ukraine, Canada)</i>

PANEL 1: GENERAL QUESTIONS OF THE CORRIDOR
Moderator: Nikolay ESIN (Russia) and Alexander KISLOV (Russia)

- Chairpersons: Tamara YANINA (Russia) and Irina SHATILOVA (Georgia)
- 9.30 – 10.00 Geological structure of Georgia and geodynamic evolution of the Caucasus
Key-note *Gamkrelidze, I. (Georgia)*
- 10.00 – 10.20 Synthesis of the IGCP 610 results: some controversies and paradoxes
Yanko-Hombach, V., Kislov, A. (Canada, Ukraine, Russia)
- 10.20 – 10.40 General Tectonic/Geologic Framework of the Caspian Sea and its water connection with the Black Sea and Mediterranean
Ergün M. (Turkey)
- 10.40 – 11.00 The evolution of the Akchagylian Sea area and coastline based upon mathematical modeling
Esin, N., Esin, N., Yanko-Hombach, V., Frolov, A. (Russia, Canada, Ukraine)
- 11.00 – 11.20 **Coffee Break**

PANEL 2: RECENT ECOSYSTEMS AND PROCESSES
Moderators: Nelly SERGEEVA (Russia) and Valentina YANKO-HOMBACH (Ukraine, Canada)

- Chairpersons: George KORDZAKHIA (Georgia) and Nikolay ESIN (Russia)
- 11.20 – 11.40 Research into glacier variation dynamics in East Georgia under the impact of modern climate change
Kordzakhia, G., Shengelia, L., Tsvauri, G., Dzadzamia, M. (Georgia)
- 11.40 – 12.00 Porosity and deterioration of stone building material in Istanbul
Kucukkaya, A. (Turkey)
- 12.00 – 12.20 Collections of the Central Soil Museum as a foundation for soil-ecological monitoring of the Caspian-Black Sea-Mediterranean Corridor territory
Sukhacheva, E., Rusakova, E. (Russia)
- 12.20 – 12.40 Foraminifera as indicators of environmental stress in marine ecosystems: New evidence from the Ukrainian Black Sea shelf
Yanko-Hombach, V., Kovalyshina, S., Kondariuk, T. (Ukraine, Canada)
- 12.40-13.00 Retrospective data about underwater landscapes and the meiobenthos in the North-Eastern part of the Black Sea
Sergeeva, N. (Russia)
- 13.00 – 14.00 **Lunch**

PANEL 3: QUATERNARY AND UPPER NEOGENE PALEONTOLOGY, PALYNOLOGY, AND STRATIGRAPHY OF THE CORRIDORS
Moderators: Nikolay PANIN (Romania) and Petra MUDIE (Canada)

- Chairpersons: Nonna GAGNIDZE (Georgia) and Tamara YANINA (Russia)
- 14.00 – 14.30 Western Georgia as a refuge for Tertiary elements of Eurasian floras (using the example of the family Hamamelidaceae)
Key-note *Shatilova, I., Rukhadze L., Kokolashvili, I. (Georgia)*

- 14.30 – 14.50 The palynoclimatostratigraphy of the Pleistocene deposits in Trlica Cave and environmental reconstructions (the northern Mediterranean, Montenegro)
Bolikhovskaya, N., Shunkov, M. (Russia)
- 14.50 – 15.10 Pollen-based reconstruction of the Plio-Pleistocene vegetation and climate change in the North Caucasus
Naidina, O. (Russia)
- 15.10-15.30 The last interglacial vegetation patterns on the northern margins of the Black Sea
Gerasimenko, N. (Ukraine)
- 15.30 – 15.40 **Coffee-break**
- 15.40 – 16.00 Middle Miocene marine mollusks in northernmost Anatolia: Biostratigraphic responses to changing paleogeography
Byükmeriç, Y., Ilgar, A. (Turkey)
- 16.00 – 16.20 The Karangatian epoch (MIS 5e) in the Black Sea basin
Yanko-Hombach, V., Motnenko, I. (Canada, Ukraine)
- 16.20 – 16.40 Malakofauna of the Kerch Strait during the Late Pleistocene – Holocene: paleogeographical analysis
Semikolennykh, D., Ignatov, E., Yanina, T., Arslanov, Kh. (Russia)
- 16.40 – 17.00 Quaternary molluscan faunas of the Sinop peninsula (N. Turkey) elucidate biogeographic connections
Büyükmeriç Y., Yildirim, C. (Turkey)
- 17.00 – 17.20 New results on the stratigraphy of Quaternary sediments of Manych depression
Yarovaya, S., Kurbanov, R., Yanina, T., Garankina, E., Belyaev, V., Garova, E. (Russia)
- 17.20 – 17.40 Analysis of South Caspian deep sedimentation from marine cores
Lahijani, H., Abbasian, H., Naderi, A. (Iran)
- 17.40 – 18.00 **Questions, discussion**

4 October 2016

PANEL 4: PALEOENVIRONMENTAL AND PALEO GEOGRAPHIC RECONSTRUCTIONS OF THE CORRIDORS **Moderators: Tamara YANINA (Russia) and Elmira ALIEVA (Azerbaijan)**

- Chairpersons: Alexander MAKEEV (Russia) and Hamid LAHIJANI (Iran)
- 9.00 – 9.20 Pedogenetic response to climatic fluctuations within the last glacial-interglacial cycle in the lower Volga basin
Makeev, A., Rusakov, A., Bagrova, S., Kurbanov, R., Yanina T. (Russia)
- 9.20 – 9.40 Correlation of the paleogeographic events of the Caspian Sea and Russian Plain in the late Pleistocene: New data
Yanina, T., Sorokin, V., Svitoch, A., Kurbanov, R., Murray, A., Sychev, N., Tkach, N. (Russia, Denmark)
- 9.40-10.00 History of Caspian Sea level oscillations in the late Pleistocene (if there was a Great Khvalynian transgression and a deep Atelian regression?)
Badyukova, E. (Russia)
- 10.00-10.20 Pioneer dendroclimatological research in western and southwestern Turkmenistan using *Juniperus turcomanica* B. Fedtsch
Berdnikova, A., Matskovskiy, V., Kurbanov, R. (Russia)
- 10.20 – 10.40 Clay mineral provenance of lower Khvalynian deposits in the Middle and Lower Volga River valley

Makshaev, R., Svitoch, A., Khomchenko, D., Oshchepkov, G.
(Russia)

10.40-11.00 New results on structure of the Srednaya Akhtuba reference section
*Kurbanov, R.N., Yanina, T.A., Murray, A.S., Makeev, A.O., Rusakov, A.V.,
Streletskaya, I.D., Tkach, N.T., Sychev, N.V., Bagrova, S.M.* (Russia)

11.00-11.10 **Coffee-break**

PANEL 5: ANTHROPOLOGY, ARCHAEOLOGY, AND HISTORY
Moderators: Sergey VASILIEV (Russia) and Olena SMYNTYNA (Ukraine)

Chairpersons: Mustafa ERGÜN (Turkey) and Rejep KURBANOV (Russia)

11.10 – 11.40 Anthropology of the Caucasus of the Paleolithic Age.
Key-note *Vasilyev, S.* (Russia)

11.40 – 12.00 Re-assessing East Mediterranean sea-level trends: 3000 years of archaeological indicators in Greece and Israel
Dean, S., Sivan, D., Evelpidou, N., Kalliopi, B., Cahill, N., Bechor, B., Spada, G. (Israel, Greece, Ireland)

12.00-12.20 The origin of artifacts of bone and shell from the Khvalynsk Eneolithic cemeteries (Northern Caspian region)
Kirillova, I., Yanina, T., Levchenko, V., Ippolitov, A., Shishlina, N. (Russia)

12.20 – 12.40 Soils of Scythian settlements as paleoenvironmental archives in the area of Late Holocene migration pathways through the East European steppe
Rusakov, A., Makeev, A., Puzanova, T., Khokhlova, O., Merzliakova, A., Kurbanova, F. (Russia)

12.40 – 13.00 Paleoanthropological research into the early medieval Coptic cemetery of Wadi Naqlun in the Fayoum Oasis (Egypt)
Vasilyev, S., Borutskaya, S. (Russia)

13.00 – 14.00 **Lunch**

POSTER SESSION (5 minutes for presentation of poster will be given to each presenter)
14.00-16.00

Chairpersons: Nino POPKHADZE (Georgia) and Yesim BYÜKMERİÇ (Turkey)

1 Preliminary magnetometric investigation at the Callatis archaeological site
Anghel, S. (Romania)

2 Methods of obtaining data on the characteristics of superficial and subsurface structures of the Earth by remote sensing in the short-wave range of radio waves
Belov, S., Belova, I. (Russia)

3 Preliminary results of palynological analysis of the Atelian deposits from a borehole core in the northern Caspian Sea
Bolikhovskaya, N., Mamontov, D., Yanina, T., Sorokin, V. (Russia)

4 The value of the hydrological and landscape characteristics of the region for the life of the primitive population (an example of late-Mesolithic and Neolithic sites of Dnieper Rapids Region)
Demchenko, O. (Ukraine)

5 The Sea of Azov under anticipated sea-level rise
Dikarev, V. (Russia)

- 6 Climate change and paleoenvironmental events in the Bulgarian Black Sea zone during the Late Pleistocene
Hristova, R. (Bulgaria)
- 7 Late Neogene sediments, petrography, facies and depositional environments, South Kakheti, Georgia
Gagnidze, N. (Georgia)
- 8 The structure and geochemistry of the Kila-Kupra mud volcano (Georgia)
Glonti,(Bacho) V., Koiava, K., Kotulová, J., Kvaliashvili, L. (Georgia, Slovak Republic)
- 9 Diatom analysis of Maikopian deposits of the west border of the South Caspian depression (along the section of Shikhzagirlı Shamakhi-Gobustanzone) and some paleoecological conclusions
Kerimova, N. (Azerbaijan)
- 10 Morphological analysis of flat-bottomed depressions in the eastern Azov Sea region
Konstantinov, E.A., Kurbanov, R.N., Zaharov, A.L. (Russia)
- 11 Palynology of Sarmatian clay at Eltigen, Kerch Peninsula: first report
Mudie P. (Canada)
- 12 Palynology of surface samples, Ukrainian shelf, NW Black Sea: first report
Mudryk, I., Mudie, P. , Zolotarev, G. (Ukraine, Canada)
- 13 Quaternary Continental flood basalts of the Javakheti Volcanic Plateau, Lesser Caucasus - Reason of Mass Extinction?
Okrostsvaridze, A. (Georgia)
- 14 Unique Cave City Vardzia, Georgia – Geology, Destruction Processes and Protection measures
Okrostsvaridze, A., Elashvili, M., Kirkivadze, G. (Georgia)
- 15 Pliocene-Quaternary Samtskhe-Javakheti Volcanic Highland, Lesser Caucasus – as a result of mantle plume activity
Okrostsvaridze, A., Popkhadze, N., Bluashvili, D., Chang, Y., Skhirtladze, I. (Georgia, Taiwan)
- 16 Geometry and kinematic evolution of a thrust-top basin: an example from the Western part of the Kura foreland fold and thrust belt, Georgia
Razmadze, A., Alania, V. (Georgia)
- 17 Vegetational and climatic changes recorded in pollen assemblages of the Late Holocene deposits from Lake Chokrak (Crimea)
Rohozin, Ye. (Ukraine)
- 18 Coastal laws in Turkey
Sazak S. (Turkey)
- 19 Paleoclimatic events of the late Pleistocene and their reflection in the structural and material composition of loess-soil complexes (southern part of the Eastern European Plain)
Sedayeva, K.M., Kurbanov, R.N., Chen, S. (Russia, China)
- 20 Petrographic characteristics of Productive Series of Absheron peninsula on the basis of SEM-analysis and optical microscopy
Shiraliyeva, S., Amrakhov, R. (Azerbaijan)
- 21 North-Western Black Sea Region at LGM: searching for the sea impact on human adaptation
Smyntyna, O.V. (Ukraine)
- 22 Deep-sea Holocene sediments of the Mediterranean Sea, the Black Sea and the Caspian Sea
Sorokin, V., Yanina, T. (Russia)

Coffee Break

Co-Leaders: *Valentina Yanko-Hombach* (Ukraine, Canada) and *Tamara Yanina* (Russia)

CLOSING OF TECHNICAL SESSIONS

A topographic map of the Caspian Sea region, showing the sea in blue and the surrounding land in shades of green, yellow, and orange, indicating elevation. The map covers parts of Europe, Asia, and the Middle East.

UNESCO - IUGS - IGCP
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(2013 - 2017)**

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<http://www.avalon-institute.org/IGCP>