

Programme of IGCP 610 Second Plenary Conference and Field Trip, Baku, Azerbaijan, 12-20 October 2014

12 October 2014

14.00-18.00	Registration. Institute of Geology and Geophysics of AzNAS, Baku, Azerbaijan, 29A H.Javid av., Baku, AZ1143, Azerbaijan, Tel: +994125100141, Email: e_aliyeva@gia.ab.az
19.00	Ice-Breaking Party "Ailevi restaurant" (located at the Fountain square), Baku.

13 October 2014

8.30-17.30	Registration. Institute of Geology and Geophysics of AzNAS, Baku, Azerbaijan, 29A H.Javid av., Baku, AZ1143, Azerbaijan.
9.00-17.30	Technical Sessions. Institute of Geology and Geophysics of AzNAS, Baku, Azerbaijan, 29A H.Javid av., Baku, AZ1143, Azerbaijan.

14 October 2014

9.00-17.00	Technical Sessions. Institute of Geology and Geophysics of AzNAS, Baku, Azerbaijan, 29A H.Javid av., Baku, AZ1143, Azerbaijan.
17.00	Sightseeing Tour and Other Cultural Events (exact time to be announced).

15 October 2014 (Field Trips)

FIELD TRIP 1

9.00-18.00 Depart from Baku (meeting of all participants near the Maiden Tower). Return to Baku to the same hotel as you booked.	Excursion to Old City: the Maiden Tower and Shirvan Shakh Palace. Exposures of Absheronian stage sediments. The Garagush mountain The Bakinskies Ushi (overnight accommodations in Baku).
---	---

16 October 2014

FIELD TRIP 2

9.00-18.00 Depart from Baku and return to Baku to the same hotel as you booked.	Stratotype of the Mountain of Bakinian stage, examples of the rapid Caspian Sea level changes in the Pleistocene successions. Archeological reserve Gobustan. Mud volcano Dashgil (overnight accommodations in Baku).
--	---

17 October 2014

FIELD TRIP 3

8.00-18.00 Depart from Baku to Lagich.	Western Azerbaijan and Great Caucasus. Continuous outcrop of the Quaternary continental sediments of Ajinour (outcrop Padar “windows”). Excursion in the historical village Lagich (overnight accommodations in the historical village Lagich).
---	---

18 October 2014

FIELD TRIP 4

9.00-18.00 Depart from Lagich to Gabala.	Western Azerbaijan and Great Caucasus. Exposure of the Quaternary continental and marine sediments of Ajinour (outcrop Turianchay) (overnight accommodations in the maintain resort Gabala). Conference dinner in the Sky restaurant.
---	---

19 October 2014

FIELD TRIP 5

8.00-18.00 Depart from Gabala - return to Gabala.	First of Christian church in the Caucasus, I century. Khan palace in the historical town Sheki. Historical museum in Sheki. Western Azerbaijan. Reference outcrop of the marine Baku stage sediments Bozdag (overnight accommodations in the maintain resort Gabala).
--	---

20 October 2014

FIELD TRIP 6

8.30-15.00 (excursion) Depart from Gabala to Baku around 10:30 by conference bus after excursions; arrival in Baku around 15.00.	Archaeological sites: excavations of ancient towns Selbir and Gala, I-XVIII centuries. Archeological museum in Gabala (overnight accommodations in Baku for those who depart to respective countries on October 21).
---	--

20-21 October 2014

DEPARTURE FROM BAKU TO RESPECTIVE COUNTRIES

TECHNICAL SESSIONS
Institute of Geology and Geophysics of AzNAS, 29A H.Javid av., Baku

13 October 2014

Chairpersons:	Dadash HUSEYNOV (Azerbaijan) Tamara YANINA (Russia)
---------------	--

9.00 - 9.15	Welcome. Ibrahim Guliyev, Vice-President of the Azerbaijan National Academy of Sciences (Azerbaijan) Elmira Aliyeva, President of the Conference (Azerbaijan)
9.15 - 9.30	Second year progress report of IGCP 610. <i>Valentina Yanko-Hombach, Co-Leader of IGCP 610 Executive Director of the Conference (Ukraine, Canada)</i>

PANEL 1: RECENT ECOSYSTEMS AND PROCESSES

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

Chairpersons:	Valentina YANKO-HOMBACH (Ukraine, Canada) Talat KANGARLI (Azerbaijan)
9.30 - 9.45	Extreme precipitation across Crimea peninsula. <i>Vyshkvarkova, E., and Voskresenskaya E. (Russia)</i>
9.45 - 10.00	Rehabilitation of the geoecological balance on the western coastal zone of the Caspian Sea: assessment and remediation of radioactively- and oil-contaminated lands (case of Azerbaijan). <i>Kangarli, T.N. (Azerbaijan)</i>
10.00 - 10.15	Cyclonic and anticyclonic activity in the Black Sea – Mediterranean region. <i>Kovalenko, O.Y., Voskresenskaya, E.N., and Maslova, V.N. (Russia)</i>
10.15 - 10.30	Agroforest Plantations as a method of increasing GHG sequestration capacity and reducing man-made impacts upon the natural forest resources of Northeastern Azerbaijan. <i>Kangarli, I.T. (Azerbaijan)</i>
10.30 - 10.45	Evaluating the influence of river discharge on marine benthic ecosystems using benthic foraminifera and lithology as the main tools. <i>Yanko-Hombach, V., Kondaryuk, T., Likhodedova, O., Ankindinova, O., and Motnenko, I. (Ukraine, Canada)</i>

10.45-11.00	Coffee Break (Institute of Geology and Geophysics of AzNAS)
-------------	--

**PANEL 2: STRATIGRAPHY, PALEONTOLOGY, AND
PALEOENVIRONMENTAL RECONSTRUCTIONS**

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

Chairpersons:	Suzanne LEROY (France) Akper FEYZULLAYEV (Azerbaijan)
---------------	--

11.00 - 11.30 Key-note	Stratigraphy and paleogeography of the Caspian Neopleistocene. <i>Yanina, T., and Svitoch, A. (Russia)</i>
11.30 - 11.45	Quaternary ecostratigraphy and paleogeographic reconstructions of the Caspian region based on benthic foraminifera. <i>Yanko-Hombach, V. (Ukraine, Canada)</i>
11.45 - 12.00	New data on the Pleistocene stratigraphy of Western Cheleken. <i>Kurbanov, R., and Svitoch, A. (Russia)</i>
12.15 - 12.30	Reconstructing Caspian Sea level changes and climate from dinocysts and pollen from the Late Pleistocene to the Mid-Holocene. <i>Leroy, S.A.G. and López-Merino, L. (UK)</i>
12.30 - 12.45	New data on the Khvalynian history of the Ergeni Bench of Kalmykia. <i>Makshaev, R., Svitoch, A., Yanina, T., Badyukova, E., Khomchenko, D., and Oshchepkov G. (Russia)</i>
12.45 - 13.00	The North Caucasus: Environmental changes during the Akchagylian and the Apsheronian according to pollen data. <i>Naidina, O.D. (Russia)</i>

13.00 - 14.00	Lunch (Cafeteria in close vicinity to the Conference Venue)
---------------	--

PANEL 2: STRATIGRAPHY, PALEONTOLOGY, AND PALEOENVIRONMENTAL RECONSTRUCTIONS	
Moderators: Nikolay PANIN (Romania) and Andrey CHEPALYGA (Russia)	

Chairpersons:	Elmira ALIYEVA (Azerbaijan) Marco TAVIANI (Italy)
---------------	--

14.00 - 14.15	New palynology and microfossil studies of Pleistocene outcrops (Akchagyl) and core samples (Apsheronian, Bakinian, Khazarian and Khvalynian) in the western, central and north-eastern Caspian Sea region. <i>Richards, K., Athersuch, J., Hoogendoorn, R.M., Van Baak, C.G.C., Wonders, A.A.H. (UK, The Netherlands)</i>
14.15 - 14.30	Late Pleistocene-Holocene Caspian Sea level and climate changes. <i>Aliyeva, E., Huseynov, D., Kroonenberg, S., de Batist, M., Hoogendoorn, R., Popescu, S., and Suc, J.-P. (Azerbaijan, The Netherlands, Belgium, France)</i>
14.30 - 14.45	Baery knolls – a key to the Caspian Sea history in the Late Neopleistocene. <i>Badyukova, E. (Russia)</i>
14.45 - 15.00	Recent gas seepages within the territory of Azerbaijan: Distribution, composition, and intensity <i>Feyzullayev, A. (Azerbaijan)</i>
15.00 - 15.15	The Girkanian epoch in the Pleistocene history of the Caspian Sea. <i>Yanina, T.A. Sorokin, V.M., and Bezrodnykh, Yu.P. (Russia, Latvia)</i>
15.15 - 15.30	The experience of applying paleoclimate scenarios to estimate future hydrological regimes (the Caspian Sea as a case study).

	<i>Lemeshko, N.</i>
--	---------------------

15.30 - 15.45	Coffee Break (Institute of Geology and Geophysics of AzNAS)
---------------	--

<p>PANEL 2: STRATIGRAPHY, PALEONTOLOGY, AND PALEOENVIRONMENTAL RECONSTRUCTIONS</p> <p>Moderators: Nikolay PANIN (Romania) and Andrey CHEPALLYGA (Russia)</p>

Chairpersons:	Natalia GERASIMENKO (Ukraine) Andrey CHEPALLYGA (Russia)
---------------	---

15.45 - 16.00	Environmental changes in the Crimean Mountains during the last 45,000 years (paleontology and lithology from the Emine-Bair-Khosar cave). <i>Gerasimenko, N., Ridush, B., Korzun, Yu., and Popelyushko, A. (Ukraine)</i>
16.00 – 16.15	The challenge of transboundary aquifer resources management in the Azerbaijan Republic -multidisciplinary and multifunctional approaches. <i>Israfilov, R. and Israfilov, Yu.</i>
16.15 – 16.30	Development of the western flank of the South Caspian depression in the Quaternary and its reflection in the radioactive fields of the earth surface. <i>Aliyev Ch.S., Mahmudova F.F., Aliyeva A.R. (Azerbaijan)</i>
16.30 – 16.45	Climatic and environmental changes in the Kuban delta (northeastern sector of the Black Sea coastal region) during the last 7.0 ka. <i>Bolikhovskaya, N.S., Porotov, A.V., and Faustov, S.S. (Russia)</i>
16.45 – 17.00	Landscape evolution of the Kolkheti lowlands during the last five millennia - a geoarchaeological project on the Black Sea Coast of Georgia. <i>Laermanns, H., Elashvili, M., Kelterbaum, D., Navrozashvili, L., Brückner, H. (Germany, Georgia)</i>
17.00 – 17.15	Quaternary development of the Vere River Valley and meander formation: Geomorphologic paradox. <i>Alpaidze, V., Beridze, T., Koiava, K., Lebanidze, Z., and Lursmanashvili, N. (Georgia)</i>
17.15 – 17.30	At the doorstep of the Pontocaspian and Mediterranean: Quaternary mollusk faunas from the Marmara Gateway. <i>Büyükmeriç, Y., Wesselingh, F.P., Alçiçek, M.C., Anistratenko, V., and Yanina, T. (Turkey, The Netherlands, Ukraine, Russia)</i>

14 October 2014

<p>PANEL 3: TECTONICS</p> <p>(Moderator: Hayrettin KORAL (Turkey))</p>

Chairperson:	Hayrettin KORAL (Turkey)
9.00 - 9.15	The October 23, 2011 (MW = 7.2) earthquake of Eastern Turkey and tectonic-morphological implications for the region.

	<i>Koral, H. (Turkey)</i>
9.15 – 9.30	The relationship between sea level changes and tectonics in the south Black Sea coasts of Turkey. <i>Aytaç, A. (Turkey)</i>
9.30 – 9.45	Modern active tectonics in the convergence zone between the North and South Caucasian microplates: The Eastern Caucasus-Caspian Megadepression (Azerbaijan). <i>Kangarli, T.N., and Aliyev, F.A. (Azerbaijan)</i>
9.45 - 10.00	Questions, Discussion.

PANEL 4: MODELLING

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

Chairpersons:	Nikolay ESIN (Russia) Alexander MATYGIN (Ukraine)
10.00 - 10.15	Experience reconstruction of the Black Sea coast and shelf evolution during the Pleistocene. <i>Esin, N.I., and Esin, N.V. (Russia)</i>
10.15 - 10.30	Results of indoor radon survey in Azerbaijan <i>Aliyev, Ch.S., Feyzullayev, A.A., Valsangiacomo, C., Baghirli, R.J., Hoffmann, M., and Mahmudova, F.F. (Azerbaijan, Switzerland)</i>
10.30 - 10.45	The Black Sea basin filling by Mediterranean saltwater in the Holocene. <i>Esin, N.V., and Esin, N.I. (Russia)</i>
10.45 – 11.00	Climate change and variability in the Black Sea – Mediterranean region. <i>Voskresenskaya, E.N. (Russia)</i>
11.00 - 11.15	Coffee Break (Institute of Geology and Geophysics of AzNAS)

PANEL 5: ARCHAEOLOGY, HISTORY, AND ETHNOLOGY

Moderators: Andrey CHEPALYGA (Russia) and Olena SMYNTYNA (Ukraine)

Chairpersons:	Malahat FARAJOVA (Azerbaijan) Kakhaber BILASHVILI (Georgia)
11.15 – 11.45 Key-note	North Black Sea passageway for the first peopling of Europe: Discovery of Oldowan sites in the Dniester Valley and Crimea <i>Chepalyga, A. (Russia)</i>
11.45 – 12.15 Key-note	Southeast Caucasus and its ties with Mediterranean countries in antiquity <i>Babaev, I. (Azerbaijan)</i>
12.15-12.30	Chronology of paleoecological changes and their influence on migration and economic activities of the ancient (Neolithic) population of Azerbaijan. <i>Tagieva, E. (Azerbaijan)</i>
12.30-12.45	Archaeological landscape of Gobustan at the end of upper Pleistocene and early Holocene. <i>Farajova, M. (Azerbaijan)</i>
12.45-13.00	EU-ITN programme "Drivers of Pontocaspian biodiversity rise and demise".

	<i>Wesselingh, F. (The Netherlands)</i>
13.00-13.15	Introducing the EU Project CoCoNET: Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potential. <i>Taviani, M. (Italy)</i>

13.15-14.15	Lunch (Cafeteria in close vicinity to Institute of Geology and Geophysics of AzNAS)
-------------	--

14.15-16.00	POSTER SESSION (Institute of Geology and Geophysics of AzNAS)
-------------	--

Geomorphology Moderator: Ekaterina BADYKOVA (Russia)	
--	--

Modern methods of geomorphological mapping and their prospects. <i>Mammadov, S., Hamidova, Z. (Azerbaijan)</i>	
---	--

Recent Ecosystems and Environmental Monitoring Moderators: Nelly SERGEEVA (Russia) and Valentina YANKO-HOMBACH (Ukraine, Canada)	
--	--

Dynamics of change in mountain ecogeosystems under the influence of natural-destructive phenomena (an example from the Major Caucasus). <i>Alizade, E.K., and Tarikhazer, S.A. (Azerbaijan)</i>	
--	--

Use of morphological abnormalities in benthic foraminifera in paleoenvironmental research. <i>Kravchuk, A.O. (Ukraine)</i>	
---	--

Water factor impact on the contamination and degradation of the Absheron peninsula's soils. <i>Mammadov, I.R., and Rashidov, T.M. (Azerbaijan)</i>	
---	--

Carcinogenic fibrous zeolites of Georgia (Southern Caucasus): Hazardous areas and measures of protection. <i>Okrostsvaridze, A., Kilasonia, E., and Bluashvili, D. (Georgia)</i>	
---	--

Variation in field chlorophyll "a" on the northwestern Black Sea shelf (data from satellite observations). <i>Popov, Yu.I., and Matygin, A.S. (Ukraine)</i>	
--	--

EUXINUS: Real time network for marine environmental monitoring of the western Black Sea. <i>Rădulescu, V., Oaie, G., and Rădulescu, R. (Romania)</i>	
---	--

The structure of a free-living nematode taxocene in industrially polluted waters (Sevastopol Bay, Black Sea). <i>Revkova, T.N. (Russia)</i>	
--	--

Meiobenthos structure under different anthropogenic conditions along the coastal zone of SW Crimea (Sevastopol Bays, Black Sea). <i>Sergeeva, N.G., and Kolesnikova, E.A. (Russia)</i>	
---	--

Gradients of salinity in the Sea of Azov and the influence of salinity on recent bottom sediment composition. <i>Smyrnova, L.L., and Rjubin, A.I. (Russia)</i>	
---	--

Assessment of the <i>Mytilus galloprovincialis</i> beds on mud and sandy mud habitats along the Romanian Black Sea coast. <i>Teaca, A., Begun, T., Mureşan, M., and Gomoiu, M.T. (Romania)</i>	
---	--

Sea Level Changes and Paleoenvironmental Reconstructions

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

Holocene paleoenvironmental changes in the NW Black Sea based on ostracod assemblages.

Briceag, A., and Ion, G. (Romania)

Black Sea basin infilling by suspension flows during the Quaternary.

Esin, N.V., Murdmaa, I.O., Esin, N.I., Khvoroshch, A.B., and Sorokina, O.V. (Russia)

Relation of Colchis coastal peat bog lithological-facies peculiarities in the Holocene with fluctuations in Black Sea level.

Janelidze, Z., and Chikhradze, N. (Georgia)

Age of the Khvalynian deposits of the northern Caspian Sea according AMS ¹⁴C dating.

Sorokin, V., Yanina, T., Guilderson, T., Bezrodnykh, Yu., and Kuprin, P. (Russia, US, Latvia)

History of the Great Caspian Sea.

Svitoch, A.A. (Russia)

Palynology and Paleontology

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

Small mammal faunas from deposits of the Chaudian transgression.

Markova, A. (Russia)

Geochemical detection of chronological and paleoclimatic signals in fully marine to anomalohaline water bodies: The case of Mediterranean, Black and Caspian Seas.

Montagna, P., and Taviani M. (Italy)

Micropaleontological data from the northeastern abyssal part of the Black Sea (the Russian sector).

Pinchuk, T.N., Bondar, E.A., Kodash, A.S., and Sheykov, A.A. (Russia)

From lake to sea: The malacological signature of the inundation

Taviani, M., Lericolais, G., Morigi, C., and Wesselingh, F. P. (Italy, France, The Netherlands)

Archaeology, History, and Ethnology

Moderators: Mehmet ÖZDOĞAN (Turkey) and Olena SMYNTYNA (Ukraine)

Population of Mountain Crimea during the Allerød: Human adaptation to global climate change.

Smyntyna, O.V., and Goncharenko, A.V. (Ukraine)

Holocene Black Sea level fluctuations, global climatic change and human activity in Georgia (Caucasus).

Kvavadze, E., and Bilashvili, K. (Georgia)

Coastal vulnerability at archaeological sites of the Taman and Kerch peninsula.

Dikarev, V. (Russia)

16.00-16.15

Coffee Break (Institute of Geology and Geophysics of AzNAS)

Round Table Discussion

Facilitators: Co-Leaders Valentina YANKO-HOMBACH (Ukraine, Canada) and Tamara YANINA (Russia)

16.15-17.00

Round table discussion on progress of IGCP 610.