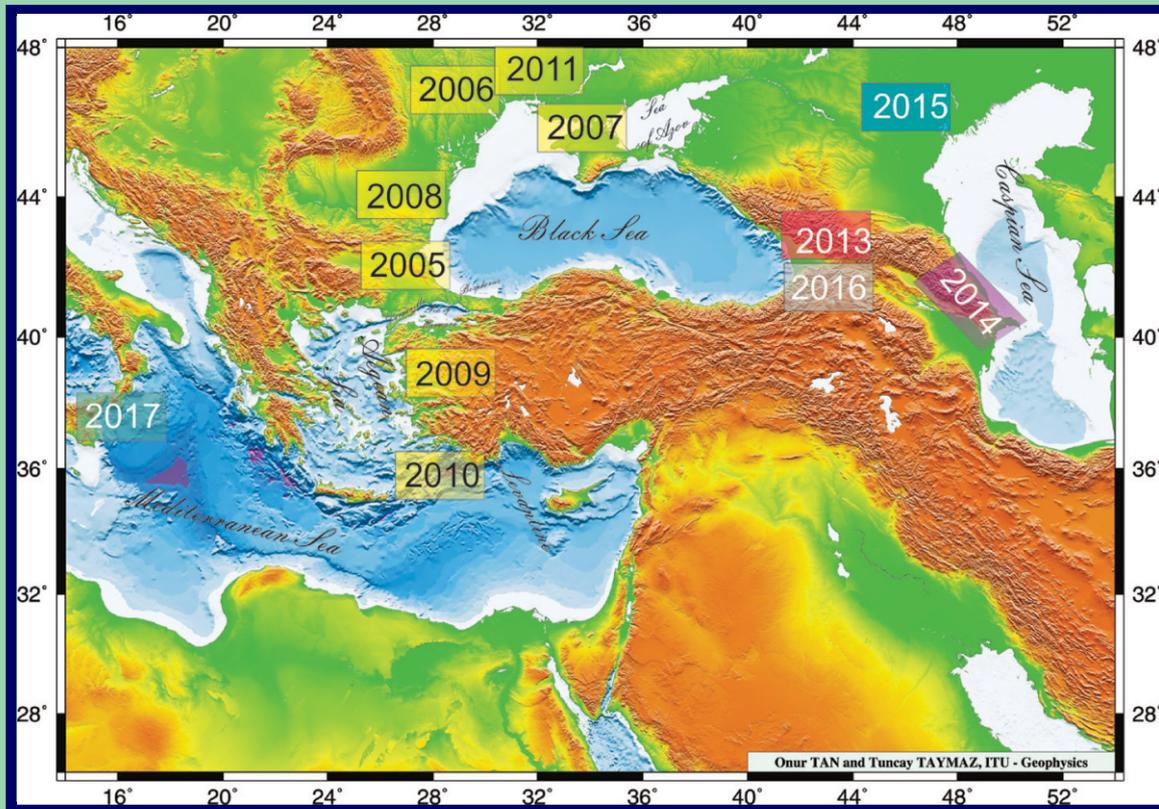




**Istanbul University-Cerrahpaşa
Department of Geology
Faculty of Engineering
Turkey
October 14-21, 2018**



INTERNATIONAL GEOSCIENCE PROGRAMME



PROGRAMME

**IGCP 610 “From the Caspian to Mediterranean:
Environmental Change and Human Response during the
Quaternary” (2013 - 2018)**

**INQUA IFG POCAS “Ponto-Caspian Stratigraphy and
Geochronology” (2017-2020)**

14 October 2018

17.00 – 21.00 Registration and Ice-Breaking Party
The Corner Park Hotel (Antalya)
<http://www.thecornerpark.com/>
Prof. Dr. Hayrettin KORAL
Mobile +90 5384150496
E-mail: hkoral@istanbul.edu.tr

15 October 2018

9.00 – 18.00 **Registration and Technical Sessions**
The Corner Park Hotel (Antalya)
<http://www.thecornerpark.com/>

16 October 2017

9.00 – 18.00 **Technical Sessions**
The Corner Park Hotel (Antalya)
<http://www.thecornerpark.com/>
20:00 Conference Dinner (to be announced)

17 October 2017

9.00 – 18.00 **Field Trip 1:**
The Upper Miocene-Pliocene deposits of the Aksu (Antalya) Basin.
Karain Cave, Quaternary Travertine exposures of Antalya Basin.
13.30 – 15.30 Lunch.
18.00 Return and accommodation in the Corner Park Hotel (Antalya).
(depending on traffic)

18 October 2018

8.30 – 18.00 **Field Trip 2:**
The ancient roman site SAGALOSSOS (Burdur Province), Geoarcheological history.
Active faults in the vicinity of Lake Eğirdir; visit to town of Eğirdir (Isparta Province).
13.30 – 15.30 Lunch.
18.00 Return and accommodation in the Corner Park Hotel (Antalya).
(depending on traffic)

19 October 2018

- 9.00 – 18.00 **Field Trip 3:**
The sunken Roman cities of Simena & Teimussa, Kekova Bay (Antalya Province).
- 13.30 – 15.30 Lunch.
- 18.00
(depending on traffic) Return and accommodation in the Corner Park Hotel (Antalya).

20 October 2018

- 9.00 – 18.00 **Field Trip 4:**
Visit to Antalya Archeological Museum of, the old city and environs.
- 13.30 – 15.30 Lunch.
- 18.00
(depending on traffic) Return and accommodation in the Corner Park Hotel (Antalya).

21 October 2018

Departure from Antalya to respective countries.

15 October 2018

TECHNICAL SESSIONS
The Corner Park Hotel (Antalya)

- Chairpersons: Hayrettin KORAL (Turkey) and Valentina YANKO-HOMBACH (Ukraine, Canada)
- 9.00 – 9.10 Welcome talk.
- 9.10 – 9.25 IGCP 610 Progress Report
Yanko-Hombach, V. Co-Leader of IGCP 610 (Ukraine, Canada)
- 9.25 – 9.40 Outline of the INQUA Focus Group “Ponto-Caspian Stratigraphy and Geochronology, POCAS (2017–2020)
Yanko-Hombach, V., Yanina T., Kurbanov, R. (Canada, Ukraine, Russia, Turkmenistan)

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

- Chairpersons: **Namık Yalçın (Turkey) and Tamara YANINA (Russia)**
- 9.40– 10.20 Caspian - Black Sea - Mediterranean corridor: Water exchange and migrations of fauna during the last climatic macrocycle
Keynote

*Joint Meeting and Field Trip of IGCP 610 and INQUA POCAS Focus Group, Antalya, Turkey
14-21 October 2018*

Yanina, T., Sorokin, V., Svitoch, A. (Russia)

10.20 – 10.40 The role of climatic stress in the life of the ancient civilizations of the region of the Fertile Crescent

Yakovleva, N., Matygin, A. (Ukraine)

10.40 – 11.00 The deep seas formation features in the conditions of the Mediterranean Sea desiccation and the negative pressure appearance in the Earth's mantle

Esin, N.V., Esin, N.I. (Russia)

11.00 – 11.20

Coffee Break

PANEL 2: BLACK SEA & SEA OF MARMARA REGION

Moderators: Valentina YANKO-HOMBACH (Ukraine, Canada) and Hayrettin KORAL (Turkey)

Chairpersons: **Yeşim BÜYÜKMERİÇ (Turkey) and Andrei ZASTROZHNOV (Russia)**

11.20 – 11.40 Tectonically modified coastal shoreline in the Marmara region, NW Turkey: evidence from the archeological site

Koral, H., Tur, H., Aydingün, Ş., İşbil, D. (Turkey)

11.40 – 12.00 Interactions between two different realms in the Marmara gateway:

An overview on Quaternary stratigraphy with new findings (NW Turkey)

Büyükmeriç, Y., Alçiçek, H., Alçiçek, M.C., Wesseling, F.P. (Turkey, The Netherlands)

12.00-12.20 Ostracod assemblages on the outer northeastern Black Sea shelf during the last 300 years

Zenina, M.A., Murdmaa, I.O., Koluchkina, G.A., Aliev, R., Dorokhova, E.V. (Russia)

12.20 – 12.40 What we have learned from Yenikapı-Istanbul excavations regarding the environmental, climatic and cultural changes in Holocene?

Yalçın, M.N. (Turkey)

12.40 – 13.00 Known examples to Submerged Archaeological Sites from Turkey

Öniz, H., Dönmez, G., Turkey

13.00 – 14.00

Lunch

14.00 – 14.40 Chronostratigraphical correlation of Ponto-Caspian and Mediterranean basins for the reconstruction of water change and the first peopling of Europe

Keynote

Chepalyga A.L. (Russia)

14.40 – 15.00 Paleoanthropological study of the population, inhabited Taman Peninsula at the end of the Golden Horde period

Vasilyev, S.V., Borutskaya, S.B., Frizen, S.Yu. (Russia)

15.00 – 15.20 Role of migrations in cultural exploration of the Lower Danube region in Early Prehistory

Smyntyna, O.V. (Ukraine)

15.20 – 15.40 Quaternary development of southern Levant caves: window to Out of Africa hominin migration

Frumkin, A., Langford, B., Marder, O., Ullman, M. (Israel)

15.40-16.00

Coffee Break

POSTER SESSION (5 minutes for presentation of poster will be given to each presenter)
16.00 – 18.00

Chairpersons: Ekaterina BADYUKOVA (Russia) and Talat KANGARLI (Azerbaijan)

- 1 Coastal zone reaction to sea-level fluctuations.
Badyukova, E. (Russia)
- 2 Development of the delta on the background of the Caspian sea-level fluctuations.
Badyukova, E. (Russia)
- 3 Changes of climate and environments in the Lower Volga region during the Holocene.
Bolikhovskaya N.S. (Russia)
- 4 To problem of palynology of the Early Khvalynian chocolate clays of the Lower Volga region".
Bolikhovskaya N.S., Makshaev, R.R. (Russia)
- 5 The Quaternary ostracod assemblages of Apsheron archipelago.
Javadova, A., Zenina, M. (Germany, Russia)
- 6 On the question of the Pleistocene-Holocene boundary on the northwestern shelf of the Black Sea based on micropaleontological data.
Kondariuk, T., and Mudryk, I. (Ukraine)
- 7 Optically-stimulated luminescence ages of the Early Khvalynian "Chocolate clays" of the Lower Volga.
Kurbanov, R., Murray, A., Yanina, T., Thompson, W., Svistunov, M., Yarovaya, S. (Russia, Denmark)
- 8 Dinoflagellate marker species of the relic Paratethyan seas: Pannonian to Caspian basins.
Mudie, P.J., Richards, K., Rochon, A., Bakrač, A. (Canada, The Netherland, Croatia)
- 9 Palynology of Core 38 and its implications for understanding climate and salinity changes of the Late Pleistocene (Neoeuxinian) Black Sea Lake.
Mudryk, I., Mudie, P.J. (Ukraine, Canada)
- 10 On genetic significance of fluid inclusions in minerals from the outbursts of mud volcanoes of the Azov-Black Sea Region.
Naumko, I.M. (Ukraine)
- 11 Quaternary volcanos of Shavnabada and Tavkvetili (Georgia): Hazards for the Azerbaijan-Turkey oil and gas pipelines?
Okrostsvaridze, A., Bluashvili, D., Skhirtladze, I., Avkofashvili, I. (Georgia)
- 12 Paleogeographic reconstruction of Karkinitzkiy Bay (the northwestern Black Sea shelf).
Pedan, G., Dragomyretska, O. (Ukraine)
- 13 Use of complex geological, geochemical and geophysical data for determination of Upper Miocene transgression in West-Kuban depression of the Western Ciscaucasus.
Pinchuk T. N., Fursina, A.B. (Russia)
- 14 Sedimentology and source of sand barriers of Caspian Sea southern east (Amirabad to Ashuradeh).
Rahimi, E., Lak, R. (Iran)
- 15 Geomorphological Evolution of Plains of Gorgan during Khvalynian Transgression of Caspian Sea (Golestan Province of Iran)
Semikolennykh, D., Kurbanov, R., Khoshhravan, H., Belyayev, B. (Russia)

- 16 Meibenthos of abandoned oil-wells at the Northern Caspian Sea
Sergeeva, N. G., Vodovsky, N. B. (Russia)
- 17 Seroglazovka locality: Quaternary key site of the North Caspian Depression,
Russia
*Zastrozhnov, A., Danukalova, G., Golovachev, M., Osipova, E., Yakovlev, A.,
Yakovleva, T., Kurmanov, R., Zenina, M. (Russia)*

16 October 2018

PANEL 3: CASPIAN SEA REGION

Moderators: Tamara YANINA (Russia) and Elmira ALIYEVA (Azerbaijan)

- Chairpersons: Hakan ONIZ (Turkey) and Dadash HUSEYNOV (Azerbaijan)
- 9.00 – 9.40 Eastern Paratethys – Mediterranean connections during Neogene and
keynote Quaternary
Popov, S.V., Golovina, L.A., Goncharova, I.A. (Russia)
- 9.40 – 10.00 The Ponto-Caspian biostratigraphy, sea level, and salinity reconstructions
using benthic foraminifera as the main tool
Yanko-Hombach, V. (Ukraine, Canada)
- 10.00 – 10.20 Observations of Caspian strandlines, their use as highstand indicators with
consideration for their implications with regard to regional geomorphology,
paleodrainage, and biodiversity
Gallagher, R. (UK)
- 10.20 – 10.40 Timing of mud volcanic activity in the South Caspian and their environmental
impact
Huseynov, D. A., Aliyeva, E.H-M., Kangarli, T.N. (Azerbaijan)
- 10.40 – 11.00 The prospects of creation of UNESCO geoparks as a geocological tool to
preserve the geoheritage of Azerbaijan
*Kangarli, T.N., Huseynov, D.A., Aliyeva, E.H., Rashidov, T.M., Kangarli, I.T.
(Azerbaijan)*
- 11.00 – 11.20 Opposite marine and coastal environmental consequences of the Caspian rapid
sea level fall
Lahijani, H., Seydvalizadeh, M., Azizpour, J. (Iran)
- 11.20 – 11.40 Coffee Break**
- 11.40 – 12.00 The Baer Knolls of the Caspian Depression as the Late Quaternary aeolian
landforms: pros and cons, or only pros?
*Zastrozhnov, D.A., Zastrozhnov, A.S., Spiridonov, V.A., Kayukov, A.E.
(Russia)*
- 12.00 – 12.20 Anthropomorphic images in Azerbaijan's landscape and their possible
significance
Gallagher, R. (UK)
- 12.20 – 12.40 The loess-soil sequences in the Lower Volga area: stratigraphy,
geochronology and paleogeography
*Kurbanov, R., Yanina, T., Murray, A., Buylaert, J.-P., Stevens, T., Rogov, V.,
Streletskaya, I., Belyaev, V., Makeev, A., Lebedeva, M., Rusakov, A.,
Svistunov, M., Yarovaya, S., Taratunina, N., Költringer, Ch. (Russia,
Denmark, Sweden)*

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12.40 – 13.00 First results of stable oxygen isotope analysis of Late Pleistocene sediments in the North Caspian basin.
Berdnikova, A., Garova, E.S., Wesselingh, F.P., Yanina, T.A., Stoica, M., van de Velde, S. (Russia, Netherlands, Romania)

13.00 – 14.00 Lunch

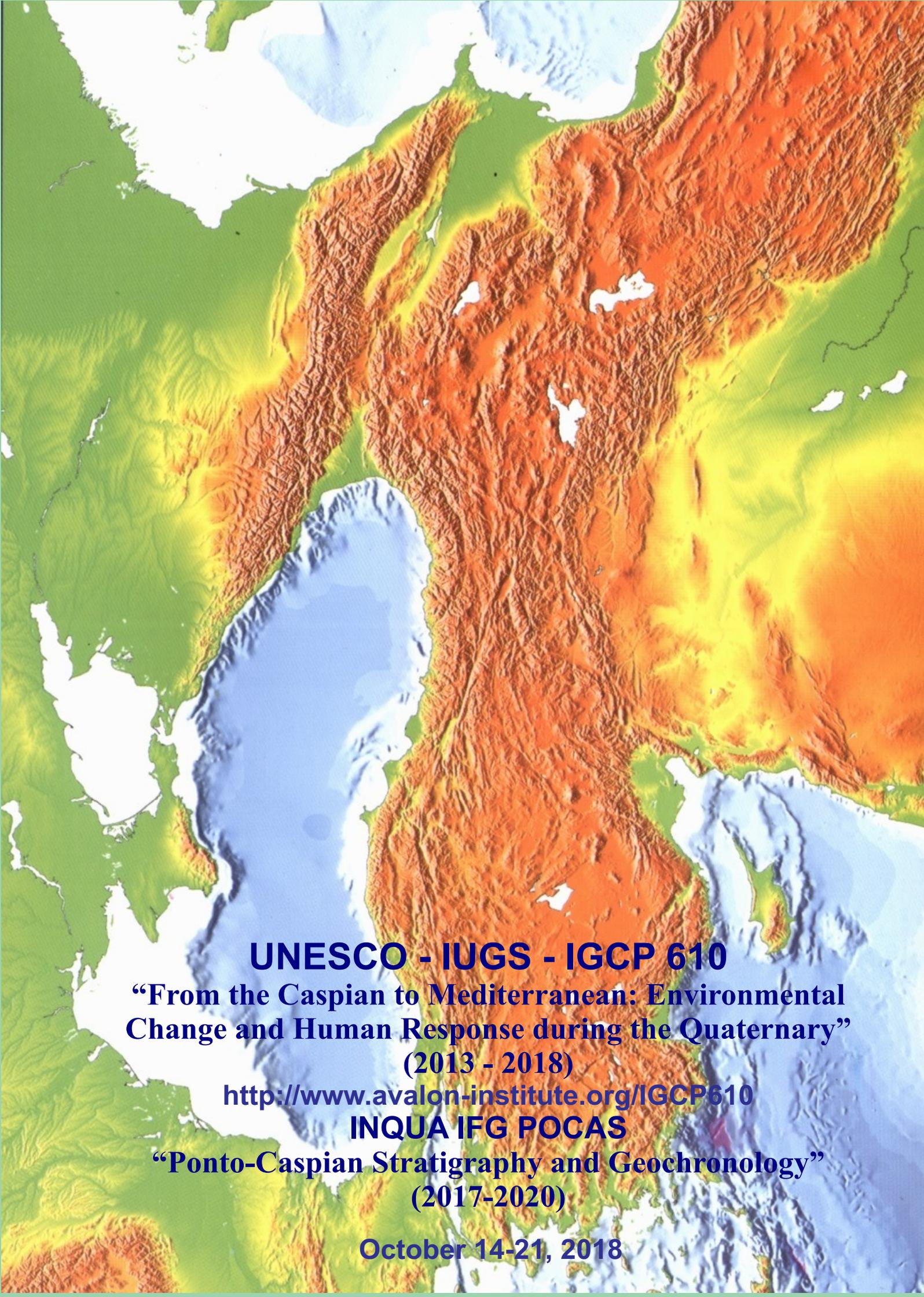
14.00 – 14.20 The Late Pleistocene Hyrcanian passage in the Manych Depression.
Kurbanov, R., Yanina, T., Murray, A., Borisova, O., Semikolennykh, D. (Russia, Denmark)

14.20 – 14.40 Grain-size and geochemical characterization of Baer knolls sediments in the Volga delta.
Makshaev, R.R., Lobacheva, D.M., Zastrozhnov, A.S., Zastrozhnov, D.A., Tkach, N.T (Russia)

14.40 – 15.00 Caspian Sea during Anthropocene
Yanina, T., Khoshravan, H., Svitoch, A. (Russia, Iran)

15.00 – 16.00 ROUND TABLE DISCUSSION & CLOSING OF TECHNICAL SESSIONS
Co-Leaders: Valentina YANKO-HOMBACH (Ukraine, Canada) and Tamara YANINA (Russia)

16.00 Sightseeing Tour

A topographic map of the Caspian and Mediterranean regions, showing elevation in shades of green, yellow, orange, and red. The Caspian Sea is visible in the center, and the Mediterranean Sea is to the south. The map highlights the rugged terrain of the Caucasus and the surrounding lowlands.

UNESCO - IUGS - IGCP 610

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<http://www.avalon-institute.org/IGCP610>

INQUA IFG POCAS

**“Ponto-Caspian Stratigraphy and Geochronology”
(2017-2020)**

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