

PRIDE-RCMNS

conference 2018

Ecosystem isolation
and connection:
rise and demise of biota
in the Pontocaspian-
Caucasian region



Programme 26–29 August
Georgian National Museum
Tbilisi

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Welcome to the PRIDE-RCMNS conference!

On behalf of the organizing committee, it is my great pleasure to welcome you to the PRIDE-RCMNS conference "Ecosystem isolation and connection: rise and demise of biota in the Pontocaspian-Caucasian region". We hope you will find the conference fruitful and inspiring.

The conference is an interim colloquium of the RCMNS *Regional Committee on Mediterranean Neogene Stratigraphy*, and it is the final conference of the EU funded MSCA-ITN PRIDE project¹.

With this conference we aim to shed a light on the unique biodiversity in this region that is very much under threat. Tbilisi is located on crossways. To the east and west the Caspian and Black Sea basins have a dynamic past. Successive lakes and seas in these basins have sustained the emergence of the unique Pontocaspian biota that resulted from periods of isolation and adaptation to the unusual salinity settings. To the north and south the major terrestrial biomes of the Middle East and the Eurasian mainland are located. The Caucasus region has been a very important pathway for the migration of terrestrial biota including our ancestor species. In time intervals when basins were connected, terrestrial areas were isolated and in times lake basins were isolated terrestrial corridors existed. This affected the evolution of the terrestrial and aquatic biota in various ways. The evolution of aquatic and terrestrial biota are therefore intimately linked and rely on the landscape evolution, involving tectonics, and climate change. In this conference we will explore the evolution of the Caucasus-Pontocaspian region and its effect on the evolution of the biota in this wonderfully diverse region.

The conference has 39 oral presentations, 33 poster presentations and a panel discussion.

We would like to thank all the people that have helped to organize the conference, and especially David Lordkipanidze, Georgi Bezarashvili, Maia Bukhsianidze, Mariam Inaniashvili and Nino Kokolia of the Georgian National Museum, David Tarkhnishvili and Levan Mumladze of the Ilia State University Tbilisi, and Kateryna Kurakina for her beautiful design for the bags, for the cover of this booklet and for the poster.

Thank you for joining us, we hope you will enjoy the PRIDE-RCMNS conference!

Frank Wesselingh
PRIDE-RCMNS conference
General Chair

1. This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 642973".



Organization

Organizing committee

Dr Frank Wesselingh	Naturalis Biodiversity Center, Leiden, The Netherlands Chair
Prof David Lordkipanidze	Georgian National Museum, Tbilisi, Georgia Chair
Caroline van Impelen Msc	Naturalis Biodiversity Center, Leiden, The Netherlands
Dr Angela Bruch	ROCEEH Research Centre, Frankfurt am Main, Germany
Prof David Tarkhnishvili	Ilia State University, Tbilisi, Georgia
Dr Giorgi Bezarashvili	Georgian National Museum, Tbilisi, Georgia
Prof Jordi Agustí	ICREA; Univ. Rovira i Virgili, Barcelona, Spain/ RCMNS
Dr Levan Mumladze	Ilia State University, Tbilisi, Georgia
Mariam Inaniashvili	Georgian National Museum, Tbilisi, Georgia
Nino Kokolia	Georgian National Museum, Tbilisi, Georgia
Prof Rachel Flecker	Bristol University, UK/ RCMNS
Prof Thomas Wilke	Justus Liebig University, Giessen, Germany
Prof Wout Krijgsman	Utrecht University/ RCMNS
Dr Maia Bukhsianidze	Georgian National Museum, Tbilisi, Georgia
Susana Arias Guerrero	Naturalis Biodiversity Center, Leiden, The Netherlands

Programme committee

Dr Frank Wesselingh	Naturalis Biodiversity Center, Leiden, The Netherlands Chair
Dr Angela Bruch	ROCEEH Research Centre, Frankfurt am Main, Germany
Prof Jordi Agustí	ICREA; Univ. Rovira i Virgili, Barcelona, Spain/ RCMNS
Alberto Martínez Gándara	Grigore Antipa Museum, Bucharest, Romania
Anouk D'Hont	GiMaRIS, Leiden, The Netherlands
Arthur Sands	Justus Liebig University, Giessen, Germany
Aleksandre Gogaladze	Naturalis Biodiversity Center, Leiden, The Netherlands
Diksha Bista	Bristol University, United Kingdom
Justine Vandendorpe	Justus Liebig University, Giessen, Germany
Lea Rausch	University of Bucharest, Romania
Liesbeth Jorissen	Utrecht University, The Netherlands
Manuel Sala-Pérez	Bristol University, United Kingdom
Matteo Lattuada	Justus Liebig University, Giessen, Germany
Sabrina van de Velde	Naturalis Biodiversity Center, Leiden, The Netherlands
Sergei Lazarev	Utrecht University, The Netherlands
Sifan Koriche	University of Reading, United Kingdom
Sri Nandini	Bremen University, Germany
Tom Hoyle	Utrecht University, The Netherlands

Programme at a glance

**Venue: Georgian National Museum
Rustaveli avenue 3, Tbilisi**

18.00-20.00
Sunday 26 August
Registration and icebreaker

08.30-09.30
09.30-19.00
20.00-22.30
MONDAY 27 AUGUST
Registration
Talks, poster presentations
Conference dinner - courtyard Museum

10.00-19.00
TUESDAY 28 AUGUST
Excursion to the famous hominid site of Dmanisi

09.30-19.00
WEDNESDAY 29 AUGUST
Talks, poster presentations and panel discussion

09.00-21.00
THURSDAY 30 AUGUST
Post conference field excursion (optional and to be paid separately)

AUDITORIUM

08.30-09.30	Opening, Registration, Coffee/Tea	
	Plenary sessions Chair: Salomon Kroonenberg	
09.30-10.00	Frank Wesselingh - Welcome and introduction	
10.00-10.30	Sergei Lazarev - Reconstructing Pontocaspian Interbasinal Connections	
10.30-11.00	Keynote - Maia Bukhsianidze - Dmanisi 1.8 million years ago – paleoenvironmental aspects disclosed by large mammals	
11.00-11.30	Coffee/Tea	
	Chair: Frank Wesselingh	
11.30-12.00	Alberto Martínez Gándara - Rise and fall of the Pontocaspian	
12.00-12.30	Keynote Mikhail Karpinsky - Invasive species and their role in the Caspian ecosystem	
12.30-13.00	Aleksandre Gogaladze - Pontocaspian basin as a source and sink of invasive species: extent and mitigation strategies	
13.00-14.00	Lunch	
	Chair: Jordi Agustí	
14.00-14.30	Keynote RCMNS - Oriol Oms - The Neogene and Quaternary successions from Transcaucasian basins: advances from Georgia	
14.30-15.00	Keynote - David Lordkipanidze - On the hominid evolution in the Caucasian region	
15.00-15.05	Split into two parallel sessions	
	AUDITORIUM	LIBRARY READING HALL
15.05-16.05	Topic: Miscellaneous Chair: Levan Mumladze Kateryna Kurakina (20 min) Keith Richards (20 min) Silviu Rădan (20 min)	Topic: RCMNS Early Pleistocene environment of <i>Homo erectus</i> Chair: Tom Hoyle Lea Rausch (20 min) Angela Bruch (20 min) Jordi Agustí (20 min)
16.05-16.15	Short break	
16.15-17.15	Topic: Geological and climatic drivers of biodiversity in the Pontocaspian in the Neogene and Quaternary Chair: tba Andrei Brigeac (20 min) Tamara Yanina (20 min) Suzanne Leroy (20 min)	Topic: RCMNS Terrestrial ecosystems - Miocene in the Southern Caucasus Chair: Oriol Oms Irina Shatilova (20 min) Iuliana Vasilev (20 min) Davit Vasilyan (20 min)
17.15-19.00	Posters and drinks -- Main Hall	
20.00-22.30	Conference dinner -- Courtyard Museum	

Programme

AUDITORIUM

09:30-11:00

Session Chair: Salomon Kroonenberg

Welcome and introduction

Frank Wesselingh

Reconstructing Pontocaspian
Interbasinal Connections

Sergei Lazarev, Diksha Bista, Thomas
Hoyle, Lea Rausch, Marius Stoica,
Christiaan van Baak, Rachel Flecker,
Wout Krijgsman

Dmanisi 1.8 million years ago –
paleoenvironmental aspects disclosed by
large mammals

Maia Bukhsianidze

11:30-13:00

Session Chair: Frank Wesselingh

Rise and fall of the Pontocaspian

Alberto Martínez Gándara, Arthur
Sands, Sabrina van de Velde, Justine
Vandendorpe

Invasive species and their role in the
Caspian ecosystem

Mikhail Karpinsky

Pontocaspian basin as a source and sink
of invasive species: extent and mitigation
strategies

Aleksandre Gogaladze, Anouk D'Hont,
Matteo Lattuada, Alberto Martínez
Gándara, Manuel Sala-Pérez

14:00-15:00

Session Chair: Jordi Agustí

The Neogene and Quaternary successions
from Transcaucasian basins: advances
from Georgia

Oriol Oms, Uwe Kirscher, Rusudan
Chagelishvili, Maia Bukhsianidze,
Jordi Agustí, Angela Bruch, David
Lordkipanidze

Keynote: On the hominid evolution in the
Caucasian region

David Lordkipanidze

TRACK 1 AUDITORIUM

15:05-16:05

Topic: Miscellaneous

Session Chair: Levan Mumladze

The preservation of Sturgeon species in
the Danube and Black Sea

Kateryna Kurakina, Natalia Gozak, Inna
Hoch, Mila Arseniuk

After the (Akchagylian) flood: what
happened in the early to middle
Pleistocene (Apsheonian-Bakunian) of
the Caspian Sea?

Keith Richards, John Athersuch

Spatial and temporal variations of sedi-
mentation processes in the Razim-Sinoie
Lagoon Complex (Romania)

Silviu Rădan, Sorin-Corneliu Rădan,
Consuela Milu, Irina Catianis, Priscila
Opreanu, Sorin Balan, Camelia Vărzaru,
Bianca Pavel, Dumitru Grosu

16:15-17:15

**Topic: Geological and climatic drivers of
biodiversity in the Pontocaspian in the
Neogene and Quaternary**

Session Chair: tba

Black Sea evolution since the Last Glacial
Maximum based on microfaunal and stable
oxygen isotope records

Andrei Briceag, Anastasia Yanchilina,
William B.F. Ryan, Marius Stoica,
Mihaela C. Melinte-Dobrinescu

The Northern Caspian Sea: Environmental
consequences of climate change during
the Holocene

Tamara Yanina, Valentin Sorokin

MIS5 in the Marmara Sea: palynological
reconstructions of climate and water
parameters in the Pontocaspian stages

Suzanne A. G. Leroy, Pierre Henry,
Christine Pailles, Julia Kende, Kürşad
Kadir Eriş, Fabienne Marret

TRACK 2 LIBRARY READING HALL

15:05-16:05

**Topic: RCMNS - Early Pleistocene
environment of *Homo erectus***

Session Chair: Tom Hoyle

Homo erectus paleoenvironments in the
early Pleistocene Denizli Basin: an
integrated paleontological, sedimentologi-
cal and geochemical approach

Lea Rausch, Hülya Alçiçek, Amelie
Violet, Nicolas Boulbes, Serdar Mayda,
Vadim V. Titov, Marius Stoica, Sylvain
Charbonier, Yeşim Büyükmeriç, Hemmo
Abels, Alexey S. Tesakov, Anne-Marie
Moigne, Valerie Andrieu-Ponel, Frank P.
Wesselingh, M. Cihat Alçiçek

Plant food resources and implications on
the diet of *Homo erectus* in the Caucasus

Angela A. Bruch, Astghik Papikyan, Meike
Schulz, Karen Hahn, Ivan Gabrielyan

Small vertebrates from the late Miocene
hominoid-bearing site of Udabno (Georgia)

Jordi Agustí, Pedro Piñero, Marc Furió,
Hugues-Alexandre Blain, Angel Blanco,
Giorgy Chochisvili, David Lordkipanidze

16:15-17:15

**Topic: RCMNS - Miocene in the Southern
Caucasus** **Session Chair: Oriol Oms**

The paleobiological characteristics of
Meotian deposits of Abkhazia (pollen and
foraminifera)

Irina Shatilova, Lamara Maissuradze,
Irma Kokolashvili, Angela A. Bruch

Onset of continentalisation in the circum-
Black Sea region during the latest Mio-
cene: a multiproxy approach

Iuliana Vasiliev, Angelica Feurdean,
Gert-Jan Reichart, Andreas Mulch

New data on the upper Miocene continen-
tal record of Armenia

Davit Vasilyan, Lilit Sakahyan, Hayk
Hovakimyan, Lutz Maul, Jeremy Kesner,
Caves Rugenstein

MAIN HALL

17:15-19:00

Posters and drinks

Monday 27 August 2018

Monday 27 August 2018

Poster session 17:15-19:00 Main Hall

- Using social network analysis to streamline marine biodiversity conservation in Ukraine
Aleksandre Gogaladze, Frank P. Wesselingh, Koos Biesmeijer, Vitaliy Anistratenko, Nataliia Gozak, Niels Raes
- Pontocaspian biogeographic outlooks based on the phylogeography of a gastropod species complex (Neritidae: *Theodoxus*)
Arthur F. Sands
- Transpolar interchange, Early Pleistocene faunal connections between the Pontocaspian basin and North America
Justine Vandendorpe, Diana Delicado, Björn Stelbrink, Christian van Baak, Christian Albrecht, Thomas Wilke
- Differential impact of anthropogenic pressures on the Caspian Sea may affect endemic species distribution
Matteo Lattuada
- The biodiversity and phylogeny of the endemic Lymnocaridiinae in the Ponto-Caspian basin
Alberto Martínez Gándara, Oana Popa, Marieta Costache, Luis Popa
- Major sea level variations of the South Caspian Basin in the Early Pleistocene: magnetostratigraphy, paleoenvironments, fauna
Sergei Lazarev, Elisabeth Jorissen, Sabrina van de Velde, Marius Stoica, Frank Wesselingh, Christiaan van Baak, Elmira Aliyeva, Wout Krijgsman
- 400,000 years of climate-driven connectivity changes in the Late Quaternary of the Black Sea
Thomas M. Hoyle, Diksha Bista, Rachel Flecker, Manuel Sala-Pérez, Wout Krijgsman, Francesca Sangiorgi
- Effect of temperature and salinity on the growth and morphology of the first isolated strain of *Akashiwo sanguinea* from the Black Sea
Manuel Sala-Pérez, Anne E. Lockyer, Suzanne A.G. Leroy
- Drivers of Caspian and Black Sea level change during the Quaternary period
Sifan A. Koriche, Joy S. Singarayer, Paul Valdes, Hannah Cloke, Dan Lunt
- Drivers of dominance shifts between invasive Ponto-Caspian dreissenids *Dreissena polymorpha* (Pallas, 1771) and *Dreissena bugensis* (Andrusov, 1897)
Anouk D'Hont, Adriaan Gittenberger, A. Jan Hendriks, Rob S.E.W. Leuven
- MIS-5 transgression of the Black Sea (new OSL-dating results)
Daria Semikolennykh, Redgep Kurbanov, Andrew Murray, Tamara Yanina, Elena Shtyrkova
- Magnetostratigraphic studies of Lower Maeotian-Upper Sarmatian deposits of Panagia section (Taman peninsula, Russia)
Olga Pilipenko, Valery Trubikhin, Alena Rybkina, Eugenia Filina
- Research of the New Late Miocene fossil vertebrate site Chachuna
Maia Bukhsianidze, Rusudan Chagelishvili, Oriol Oms, Uwe Kircher, Angela Bruch, Irina Shatilova Irma Kokolashvili, Jordi Agustí, Davit Vasilyan, Yeşim Büyükmeriç, David Lordkipanidze
- The inner structure of Baer's knolls as an indicator of the palaeoecological situation in the lower Volga region
Daria Lobacheva, Ekaterina Badyukova
- Plio-Pleistocene palaeoenvironmental reconstruction, western South Caspian Basin
Shahnaz Mammadova, Yelena Taghiyeva, Elshan Abdullayev
- Changes of the biodiversity in the lagoons in the background of the Caspian Sea level oscillations
Ekaterina Badyukova
- Correlation of the paleogeographic events in the Caspian Sea and on the East European plain during the last glacial epoch (from boreholes)
Alina Berdnikova, Tamara Yanina, Valentin Sorokin

EXCURSION TO THE HOMINID SITE OF DMANISI

10.00	Departure from Tbilisi Place of departure: Simon Janashia Museum of Georgia (Purtseladze str. 3)
12.00	Arrival Dmanisi (lunch boxes will be provided on the way to Dmanisi)
12.00-13.00	Guided tour
13.00-14.15	People can walk around themselves
14.15-14.30	Transfer to Dmanisi camp
14.30-16.00	Dinner at the Dmanisi camp
16.00-18.00	Return to Tbilisi (If possible via the Dmanisi Sioni) Place of return: Simon Janashia Museum of Georgia (Purtseladze str. 3)

Please make sure to bring:

- A hat
- Sun protection cream
- Sturdy shoes

Monday 27 August 2018

Tuesday 28 August 2018

09.00-09.30	Coffee/Tea
	Plenary sessions Chair: Tom Wilke
09.30-10.00	Keynote - Henri J. Dumont - Ponto-Caspian diversity: origin and recent challenges
10.00-10.30	Tom Hoyle - Seeing the wood for the trees: appraisal of archive integrity and taxonomic & palaeoecological assumptions
10.30-11.00	Keynote - David Tarkhnishvili - Hidden refugia of western Caucasus - how genetics changes the perspective
11.00-11.30	Coffee/Tea
	Chair: Sergei Lazarev, Diksha Bista
11.30-12.00	Sri Nandini - Climate forcing of Pontocaspian sea-level changes
12.00-12.30	Keynote - Orsolya Sztano - Dynamic changes of depositional systems: a key to perpetual changes of the biota
12.30-13.30	Lunch

AUDITORIUM

LIBRARY READING HALL

13.30-14.30	<p>Topic: Rise and fall of Pontocaspian Biodiversity: Origins and controls / Geological and climatic drivers of biodiversity in the Pontocaspian in the Neogene and Quaternary Chair: Lea Rausch</p> <p>Marius Stoica (20 min) Thomas Neubauer (20 min) Yeşim Büyükmeriç (20 min)</p>	<p>Topic: RCMNS / Drivers of Miocene transitions Chair: Maia Bukhsianidze</p> <p>Alasgar Alasgarov (20 min) Alena Rybkina (20 min) Dan V. Palcu (20 min)</p>
14.30-14.45	Short break	
14.45-16.10	<p>Topic: Rise and fall of Pontocaspian Biodiversity: Origins and controls / The role of invasive species in the current Pontocaspian biodiversity crisis Chair: Matteo Lattuada</p> <p>Denis Copilas-Ciocianu (20 min) Vitaliy Anistratenko (20 min) Maxim Vinarski (20 min) Anouk D'Hont (20 min)</p>	<p>Topic: Geological and climatic drivers of biodiversity in the Pontocaspian in the Neogene and Quaternary Chair: Liesbeth Jorissen, Diksha Bista</p> <p>Diksha Bista (20 min) Arjan de Leeuw (20 min) Iuliana Vasiliev (20 min) Matthias Prange (20 min)</p>
16.15-17.15	<p>Panel discussion: Is there a Pontocaspian biodiversity crisis? Chair: Tom Wilke</p>	
17.15-18.45	Posters and drinks -- Main Hall	
18.45-19.00	Closing Session -- Auditorium	

Programme

AUDITORIUM

09:30-11:00 Auditorium

Session Chair: Tom Wilke

Ponto-Caspian diversity: origin and recent challenges

Henri J Dumont

Seeing the wood for the trees: appraisal of archive integrity and taxonomic & palaeoecological assumptions (using examples from present and ancient pollen, dinoflagellates, molluscs and ostracods)

Thomas Hoyle, Justine Vandendorpe, Arthur F. Sands, Alberto Martínez Gándara, Manuel Sala-Pérez, Elisabeth Jorissen, Lea Rausch, Sabrina van de Velde, Frank P. Wesselingh

Hidden refugia of western Caucasus - how genetics changes the perspective

David Tarkhishvili

11:30-12:30 Auditorium

Session Chair: Sergei Lazarev, Diksha Bista

Climate forcing of Pontocaspian sea-level changes

Sri D. Nandini, Sifan A. Koriche, Elisabeth L. Jorissen, Joy S. Singarayer, Hannah Cloke, Hemmo A. Abels, Wout Krijgsman, Frank Wesselingh

Dynamic changes of depositional systems: a key to perpetual changes of the biota (an example from Lake Pannon, Central Paratethys)

Orsolya Sztanó, Imre Magyar

TRACK 1 AUDITORIUM

13:30-14:30

Topic: Rise and fall of Pontocaspian Biodiversity: origins and controls / Geological and climatic drivers of biodiversity in the Pontocaspian in the Neogene and Quaternary
Session Chair: Lea Rausch

Pliocene-Pleistocene ostracods from Caspian Basin

Marius Stoica, Lea Rausch, Elisabeth Jorissen, Sergei Lazarev, Chris van Baak, Elmira Alieva, Wout Krijgsman, Iuliana Vasiliev

Drivers of species diversification vary with temporal scale in continental aquatic gastropods

Thomas A. Neubauer

Disentangling Quaternary deposits and faunas in the Marmara Basin (Turkey) shows its key position between Mediterranean and Pontocaspian Basins

Yeşim Büyükmeriç, Mehmet Cihat Alçiçek, Hülya Alçiçek, Frank P. Wesselingh

14:45-16:10

Topic: Rise and fall of Pontocaspian Biodiversity: origins and controls / The role of invasive species in the current Pontocaspian biodiversity crisis
Session Chair: Matteo Lattuada

An evolutionary reappraisal of the Ponto-Caspian amphipod radiation: from old Sarmatian origins to recent Pleistocene inter-basin dispersal

Denis Copilas-Ciocianu

Pontocaspian mollusks in the Pontocaspian Basin: what is already discovered and what left unknown?

Vitaliy V. Anistratenko

The genus *Radix* in the Ponto-Caspian region and beyond: A new taxonomic structure for a classical lymnaeid genus

Maxim Vinarski, Ivan Bolotov, Olga Aksenova, Mikhail Gofarov, Aleksander Kondakov, Yulia Bepalaya, Yulia Kolosova, Svetlana Sokolova, Vitaly Spitsyn, Alyona Tomilova, Oksana Travina, Ilya Vikhrev

Drivers of dominance shifts between invasive Ponto-Caspian dreissenids *Dreissena polymorpha* (Pallas, 1771) and *Dreissena bugensis* (Andrusov, 1897)

Anouk D'Hont, Adriaan Gittenberger, A. Jan Hendriks, Rob S.E.W. Leuven

TRACK 2 LIBRARY READING HALL

13:30-14:30

Topic: RCMNS Drivers of Miocene transitions

Session Chair: Maia Bukhsianidze

Palaeoenvironment of the Late Miocene Eastern Paratethys Sea, Azerbaijan

Elshan Abdullayev, Yelena Taghiyeva, Alasgar Alasgarov, Zohrab Javadzadeh, Andre Baldermann

The Sarmatian-Maeotian transition in Eastern Paratethys

Yuliana Rostovtseva, Alena Rybkina, Evgeniya Filina

From the Great Drying of Eurasia to Messinian mega-rivers flooding the Mediterranean

Dan V. Palcu, Iuliana Vasiliev, Marius Stoica, Wout Krijgsman

14:45-16:10

Topic: Geological and climatic drivers of biodiversity in the Pontocaspian in the Neogene and Quaternary
Session Chair: Liesbeth Jorissen & Diksha Bista

Strontium Isotopic Ratios in the Caspian Sea: Implications for Caspian - Arctic connection and Caspian Sea level reconstruction during the Early Pleistocene

Diksha Bista, Sergei Lazarev, Marius Stoica, Dirk Simon, Justine Vandendorpe, Chris van Baak, Wout Krijgsman, David Richards, Rachel Flecker

Sedimentary environments and fauna of the Late Miocene to Early Pleistocene Slănicul de Buzau Section in the Dacian Basin: An example of integrated research by the PRIDE team

Arjan de Leeuw, Elisabeth Jorissen, Sergei Lazarev, Marius Stoica, Oleg Mandic, Chris van Baak, Iuliana Vasiliev, Wout Krijgsman

Marine influx hits Caspian Sea at the Pleistocene transition

Iuliana Vasiliev, Christiaan Van Baak, Gert-Jan Reichart, Thomas Hoyle, Andreas Mulch, Wout Krijgsman

Hydroclimatic variability in the Caspian catchment area and its impact on past and future lake-level changes

Matthias Prange, Sri D. Nandini

AUDITORIUM

16:15-17:15

Panel discussion: Is there a Pontocaspian biodiversity crisis?
Chair: Tom Wilke

MAIN HALL

17:15-18:45

Posters and drinks

AUDITORIUM

18:45-19:00

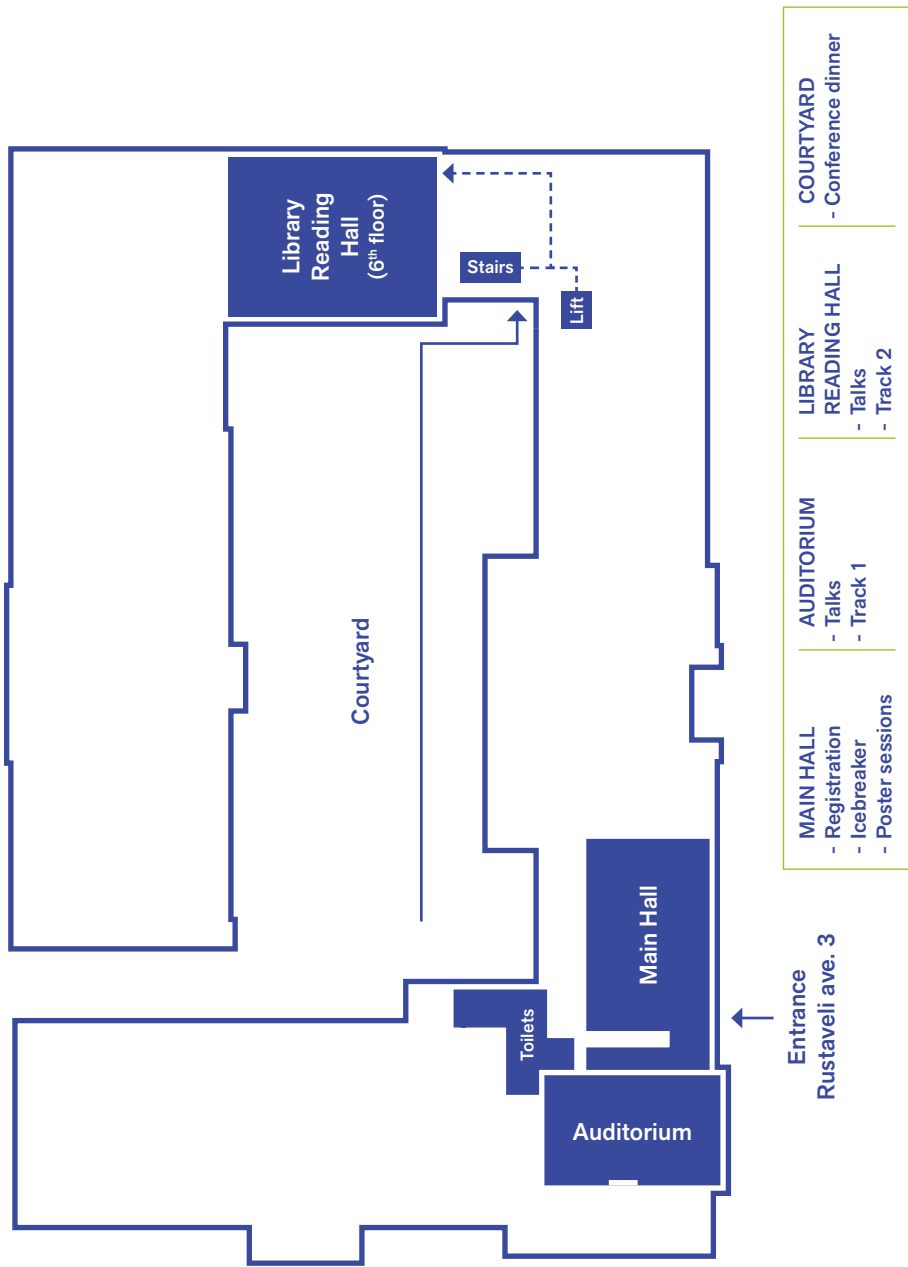
Closing session

Poster session 17:15-18:45 Main Hall

1. Significance of calcareous nannofossils as indicator of connection of the Ponto - Caspian with the adjacent marine basins
Larisa Golovina
2. Geomorphological evolution of the Iranian coast of the Caspian sea during the last 15 ka (Golestan province)
Redzhap Kurbanov, Tamara Yanina, Homayoun Khoshhravan, Vladimir Belyayev, Daria Semikolennykh
3. Paleogeography of the Northeast pre-Azovian area during MIS 7
Nikita Sychev
4. Paleogeographic stages and chronology of Khvalynian transgression of Caspian Sea in the Lower Volga region
Nikolai Tkach, Tamara Yanina, Radik Makshaev
5. The problem of the boundary of the lower and middle Miocene by the example of sections of the Eastern Paratethys
Valery M. Trubikhin, Olga V. Pilipenko, Uliana V. Rostovtseva, Alena I. Rybkina
6. Evidence of Paleoecological changes and its connection with Human resettlement in Javakheti Highland (Central South Caucasus) based on recent Palynological data of sediment core samples and previous studies
Mikheil Elashvili, Nia Siradze, Tiiu Koff, Levan Navrozashvili, Giorgi Kirkitade, Natalia Baramidze, Akaki Nadaraia
7. Ichnofacies distribution in offshore sediments of the Langarud-Rudsar region of Iran, southern Caspian Sea
Hedieh Abbasian, Keith Richards
8. Biodiversity of the lower Kura river
Konul Taghiyeva, Adil Aliyev, Elnara Jafarova, Saleh Aliyev, Zemfira Abdurrahmanova
9. Late Holocene environmental changes in the Lake Sevan basin– implications from palynological and carpological analyses of peatbog sediments from Tsovinar-1, Armenia
Narine Hayrapetyan, Elen Hakobyan, Ivan Gabrielyan, Eliso Kvavadze, Angela Bruch
10. Palynological and macrobotanical comparative investigation of Gurian (Late Early Pleistocene) marine sediments in Western Georgia
Natia Chikhelidze, Ilia State University, Tamta Kapanadze, Ira Shatilova, Eliso Kvavadze, Ivan Gabrielyan, Angela Bruch
11. Neogene-Quaternary vertebrate faunas from the Middle Kura Basin
Maia Bukhsianidze, Kakhaber Koiava, Alexandre Janelidze
12. Geochemical characterization of Khvalynian chocolate clays
Radik Makshaev
13. Conditions and time of deposition of the Black Sea lake strata in the sediments of the borehole 380A DSDP leg 42A
Eleonora P. Radionova
14. A natural baseline study of an endemic long-lived lake fauna from the Late Pleistocene Caspian Sea (Selitrennoye, Russia)
Sabrina van de Velde, Thomas Neubauer, Frank Wesselingh, Tamara Yanina
15. Caspian sea-level changes during the Pleistocene: onshore sedimentary reconstruction in the Kura Basin, Azerbaijan
Elisabeth L. Jorissen, Hemmo A. Abels, Frank P. Wesselingh, Elmira Aliyeva, Wout Krijgsman
16. Late Pleistocene to Future Hydroclimate Variations in the Caspian Sea Catchment: A Climate Modeling Study
Sri D. Nandini, Matthias Prange, Pepijn Bakker, Michael Schulz

Notes

Floorplan



Purtseladze str. 3

Cover illustrations:
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