



Southern Scientific Centre of the Russian Academy of Sciences

Institute of arid zones SSC RAS

The faculty of geography of M.V. Lomonosov Moscow State University

Naturalis Biodiversity Center (Netherlands)

EU Horizon 2020-ITN “PRIDE” (Drivers of Pontocaspian Biodiversity Rise and Demise)

International youth school-conference

«Where East meets West: Pontocaspia, the historical dimension of the evolution of a unique biodiversity»



Rostov-on-Don/Kagal'nik, Astrakhan'

August 21 – September 02 2017

Conference topics:

1. Drivers of Quaternary paleogeographic evolution of Pontocaspian basins;
2. An improved Quaternary stratigraphy for the Pontocaspian region
3. Present-day biodiversity and dynamics in the Black, Azov and Caspian seas;
4. Evolution of Pontocaspian biota;
5. The impact of environmental factors on Pontocaspian communities and environments;
6. Invasive species in the Pontocaspian region;
7. Methods of processing data sets of the ecological state of the Black, Azov and Caspian seas;
8. Modern and classical methods of selection and primary analysis of benthic, planktonic, hydrological and geological samples.

Program Committee:

Matishov G.G. – Committee chairman, Academician, Chairman of the SSC RAS, Rostov-on-Don

Kasimov N.S. - Academician, President of Geographical Faculty of Moscow State University, Moscow

Wesselingh F. - PhD, Director of the PRIDE Program, Biodiversity Center Naturalis, Leiden (Netherlands)

Berdnikov S.V. - PhD, Deputy Chairman of the SSC RAS, Rostov-on-Don

Bruch A. - PhD, Senckenberg Research Institute, Frankfurt am Main (Germany)

Gittenberger A. - PhD, Director of GiMaRIS, Leiden (Netherlands)

Wilke T. - PhD, Professor, Yu. Liebig Gisen University, Giessen (Germany)

Vinarsky M.V. - PhD, Saint-Petersburg State University, St. Petersburg

Krijgsman W. - PhD, Prof., University of Utrecht (Netherlands)

Kroonenberg S.B. - PhD, honor. Prof., Delft University of Technology (Netherlands)

Leroy S.A.G. - PhD, Prof., Brunel University, Environmental Institute, London (Great Britain)

Tarasov G.A. - PhD, Prof., Head. Lab., MMBI KSC RAS, Murmansk

Flecker R. - Ph.D., Bristol University, Bristol (Great Britain)

Stoica M. - PhD, Prof., University of Bucharest (Romania)

Yanina T.A. - PhD, Prof., Head of Laboratory, Moscow State University, Moscow

Organizing committee:

Titov V.V. – PhD, Committee chairman, SSC RAS, Rostov-on-Don

Dyuzhova K.V. - PhD, Executive Secretary of the Conference, SSC RAS, Rostov-on-Don

Van Impelen C.- PRIDE Program Manager, Naturalis Biodiversity Center, Leiden

Bulysheva N.I. - Ph.D, Scientific secretary of the SSC RAS, Rostov-on-Don

Kovalyova G.V. - Ph.D, Scientific Secretary of the IAZ SSC RAS, Rostov-on-Don

Tesakov A.S. - Ph.D, Head. Lab., GIN RAS, Moscow

Stepanyan O.V. - Ph.D, Head. Dep., SSC RAS, Rostov-on-Don

Mikhalyuk R.G. - Assistant to the Chairman of the SSC RAS for International Activities, Rostov-on-Don

Semin V.L. - Ph.D, IAZ SSC RAS, Rostov-on-Don

Kurshakov S.V. - IAZ SSC RAS, Rostov-on-Don

Savikin A.I. - IAZ SSC RAS, Rostov-on-Don

Zolotareva A.E. - IAZ SSC RAS, Rostov-on-Don

Kurbanov R.N. - PhD, Moscow State University, Moscow

Makshaev R.R. - Moscow State University, Moscow

Arrivals: The participants will travel from Rostov-on-Don airport and Rostov railway station to their rooms in Azov city. The airport pick-up is organized for those, who inform the Organizing committee about the arrival details.

The participants who will arrive in the airport at the night from 20 to 21 of August will be accommodated in the hotel of the airport up to the morning.

Accommodation: Hotel "Amaks", Azov, Petrovskaya square, 14 <http://azov.amaks-hotels.ru/>

The official language of the event: English, Russian. The system of simultaneous translation will be supported.

Oral presentations will be given in Microsoft Powerpoint, OS Microsoft Windows (accepted format .ppt, .pptx). Presentations in .pdf format are also acceptable. MAC OS is not available for this conference.

Poster presentations:

Posters should be at most A0 format (841×1189 mm) (portrait orientation format).

Time limitations:

Oral presentations – 30 minutes (including answers for questions)

Poster presentations – 7 minutes

Weather forecast:

Temperature: +25 - +35°C

partly cloudy & small rain, some sunny days

PLEASE, don't forget about headdress at the fieldtrips!

CONFERENCE PROGRAM:

August 21, Monday

Arrival of participants in Rostov-on-Don; moving into the hotel Amaks-Azov (Azov city)

August 22, Tuesday

Kagalnik village, SSC RAS base “Kagalnik” 09.30 – 18.15

Departure from hotel “Amaks-Azov” at 08.30

08.30-09.30		Registration
09.30 – 11.15 Session 1		Chair: Berdnikov S.V.
9.30-09.45	Berdnikov S., Wesselingh F.	Opening ceremony
09.45-10.15	Berdnikov Sergey, Mathisov Gennady <i>(Southern Scientific Centre RAS, Rostov)</i>	Modern researches of the SSC RAS and the IAZ SSC RAS on the border of the East and West
10.15-10.45	Krijgsman Wout, van Baak Christiaan, Hoyle Thomas <i>(Utrecht University, Utrecht)</i>	Plio-Pleistocene stratigraphy and environmental evolution of the Pontocaspian
10.45-11.15	Oberhaensli Hedi <i>(Museum of Natural History, Berlin)</i> , Bista Diksha, Flecker Rachel, Yanina Tamara & Wesselingh Frank	Isotope evolution of the Pontocaspian
11.15-11.45 COFFEE-BREAK		
11:45 – 13:15 Session 2		Chair: Wesselingh F.
11.45-12.15	Berdnikov Sergey <i>(Southern Scientific Centre RAS, Rostov)</i>	Long-term changes in the ecosystems of the Azov, Black and Caspian seas
12.15-12.45	Kovaleva Galina, Dyuzhova Kristina, Zolotareva Anna <i>(Southern Scientific Centre RAS, Rostov)</i>	Micropaleontological studies and biostratigraphy of the Ancient Azov and the New Azov deposits (the Sea of Azov)
12.45-13.15	Richards Keith <i>(University of Amsterdam, Amsterdam /Palstrat)</i>	Biostratigraphic and environmental evolution of the North and Central Caspian: 30 million years of change
13.15-14.15 LUNCH		
14.15 – 15:45 Session 3		Chair: Richards K.
14.15-14.45	Yanina Tamara <i>(Moscow state University, Moscow)</i>	Paleogeography of the Northern Caspian Sea in the Late Pleistocene
14.45-15.15	Wesselingh Frank <i>(Biodiversity centre “Naturalis”, Leiden)</i> , Jorissen E.L., van de Velde S., Radan S., and the PRIDE team	Conservation paleobiology in the Razim-Sinoe lagoon complex
15.15-15.45	Tesakov Alexey <i>(Geological institute RAS, Moscow)</i> , Titov Vadim <i>(Southern Scientific Centre RAS)</i>	Pleistocene terrestrial biochronology and biostratigraphy of southern East Europe: an attempt of a formal regional zonation
15.15-15.45 COFFEE-BREAK		

15.45 – 18:15 Session 4		Chair: Kroonenberg S.
15.45-16.15	Vinarski Maxim (<i>Saint Petersburg State University, St. Petersburg</i>)	Review of current studies of taxonomy of freshwater Current trends in taxonomy of fresh- and brackish water Gastropoda of the Ponto-Caspian region
16.15-16.45	Karpinsky Mikhail (<i>All-Russian Scientific Research institute fisheries and oceanography, Moscow</i>)	Features of biodiversity and biological development of species, caused by the historical development of the Caspian
16.45-18.15 POSTER SESSION		
Bista D., Flecker R., Richards D.A.		Testing the connectivity history of the Black Sea and the Caspian Sea during the Pleistocene, using strontium isotopes
D'Hont A., Gittenberger A., Leuven R.		Do ecological interactions explain dominance shift between Ponto-Caspian bivalves <i>Dreissena polymorpha</i> and <i>Dreissena rostriformis bugensis</i> in their introduced range?
Frolov P.D.		Pleistocene molluscan faunas from North-East of Azov Sea and Lower Don River region
Glushchenko G.Yu.		Investigation of phytoplankton of different size fractions on the example of the Taganrog Bay
Gogaladze A., Wesselingh F.P., Biesmeijer J.C., Raes N.		Outreach in the heart of the Pontocaspian region
Jorissen E.L., De Leeuw A., Van Baak C.G.C., Mandic O., Stoica M., Abels H.A., Krijgsman W.		Drivers of the progradation of a river-dominated delta in the semiisolated basin: example of the Dacian Basin (Romania)
Matishov G.G., Polshin V.V., Titov V.V. Dyuzhova K.V.		The history of the Azov Sea shelf in Holocene, based on multidisciplinary study of sediment cores
Neubauer T.A., Van der Velde S., Yanina T., Wesselingh F.P.		Revising the Pontocaspian mollusk fauna: preliminary results
Pavel A.B., Secieru D., Gooday A.J.		Taxonomic identification and distribution of “soft-shell monothalamids” forams first signaled on the Black Sea Romanian shelf within the map sheet perimeter FH L35-132
Sands A.F.		A phylogeographic perspective on Pontocaspian biogeography based on a gastropod species complex (<i>Neritidae: Theodoxus</i>)
Savikin A.I.		Malacofauna of the southwestern part of the Sea of Azov according to lithological cores
Svistunova L.D.		Analysis of sampling methods for plankton Rotifera
Sychev N.V., Liping L.P., Kurbanov R.N.		New data on the age of the Uzunlar transgression of the Black Sea
Tkachenko O.V., Tkachenko A.N., Lychagin M.Yu.		Present-day heavy metals content in water of Volga, Don and Kuban River deltas
Tyunin N.A.		The evolution of the Kuban Delta's coastal area in the Late Holocene
Van Baak C.G.C., Vasiliev I., Palcu D.V., Dekkers M.J., Krijgsman W.		Pleistocene marine-lacustrine alternations recorded in the deep basin of the Black Sea
Vandendorpe J.		Early Pleistocene faunal connection between the Ponto-Caspian basin and North America
Return to hotel “Amaks-Azov” 19.30 DINNER		

August 23, Wednesday

Kagalnik village, SSC RAS base "Kagalnik" 09.30 – 18.00

Departure from hotel "Amaks-Azov" at 8.45

09.30 – 11:00 Session 5		Chair: Yanina T.
09.30-10.00	Kroonenberg Salomon (<i>Delft University of Technology, Delft</i>)	25 years of Caspian Sea research
10.00-10.30	Izmailov Yakub (<i>Russian geographical society, Sochi</i>)	Problems of geology and development history of the Kerch Strait
10.30-11.00	Myslivets Vladimir, Porotov A. (<i>Moscow state University, Moscow</i>)	Development of Holocene transgression in the north of the Black Sea
11.00-11.30 COFFEE-BREAK		
11.30 – 13:00 Session 6		Chair: Stoica M.
11.30-12.00	Nandini Sri, Prange Matthias (<i>University Bremen, Bremen</i>) & Koriche Sifan	The precarious climate balance driving Pontocaspian lake evolution
12.00-12.30	Syomin Vitaly, Shokhin Igor (<i>Institute of arid zones SSC RAS, Rostov</i>)	The degree of study and general characteristics of the modern zoobenthos of the Sea of Azov
12.30-13.00	Kurbanov Redzhep (<i>Moscow state University, Moscow</i>)	Age constraints in the Caspian-Black Sea corridor
13.00-14.00 LUNCH		
14.00 – 18:00 Session 7		Chair: Tesakov. A.
14.00-14.30	Stoica Marius (<i>University of Bucharest, Bucharest</i>), Rausch L.	Paratethyan ostracods studies – a historical perspective
14.30-15.00	Leroy Suzanne (<i>Cerege, Aix en Provence</i>)	Dinocyst paleoenvironmental evolution in the Caspian
15.00-15.30	D'Hont Anouk & Lattuada Matteo (<i>Naturalis, Leiden</i>)	Anthropogenic impact in the Pontocaspian
15.30-16.00	Gogaladze Aleksandre, Gozak Natalia, Raes Niels (<i>Naturalis, Leiden</i>)	Reaching out in the Pontocaspian
16.00-16.30 COFFEE-BREAK		
18.00-18.15	Berdnikov S., Matisov G., Kasimov N. & Kroonenberg S.	Conclusions of the meeting
16.30-18.00 POSTER SESSION		
Hoyle T.M., Leroy S.A.G., Lopez-Merino L., Van Baak C.G.C.		Basin connection affects Caspian Sea environments and biota at 2.73 Ma
Jafarova E.E., Akhundov M.M.		Peculiarity of mollusks communities distribution of the Middle Caspian based on biomass indicators and their spatial structure
Koriche S.A., Singarayer J.S., Coe M.T., Cloke H.L., Nandini S., Prange M.		Understanding the drivers of historical Caspian Sea level variation using observations and hydrological modelling
Lattuada M.		Differential impact of anthropogenic pressures on Caspian

	Sea ecoregions
Lazarev S., Jorissen E.L., Van Baak C.G.C., Krijgsman W.	The early Pleistocene age model of the Kura Basin along the Goychay and Hajigabul sections: paleomagnetic approach for dating and correlation
Leroy S.A.G., Amini A.	Palaeoenvironmental changes in the late Pleistocene - Early Holocene in the south Caspian coast
Makshaev R.R., Svitoch A.A., Rogov V.V.	Role of Periglacial processes in formation of Khvalynian clays in the Middle and Lower Volga regions
Martinez Gandara A., Reichert J., Costache M., Popa L., Wilke T.	Fractal dimension analysis as an approach to tackle morphological variability within the Ponto-Caspian Lymnocardiinae (Bivalvia: Cardiidae)
Nandini S., Prange M., Schulz M.	Past and future impact of North Atlantic teleconnection patterns on the hydroclimate of the Caspian catchment area in CESM1.2.2 and observations
Prange M., Bakker P., Nandini S.	Caspian hydroclimate and sea level changes during the Last Glacial (MIS2 and MIS3) as inferred from a general circulation model
Rausch L., Lazarev S., Stoica M., Van Baak C.G.C., Krijgsman W.	Late Miocene – Early Pliocene ostracod fauna from the Denizli Basin (Southwestern Anatolia): paleoenvironmental assessment and paleogeographic implication
Sala-Perez M., Leroy S.A.G., Lockyer A.E.	Dinoflagellates from the Pontocaspian region: from biodiversity to phylogeny
Semikolennykh D.V., Ignatov E.I., Sorokin V.M., Luksha V.L., Yanina T.A.	New results on paleogeography of the Kerch Strait during Late Pleistocene-Holocene
Shtyrkova E.I., Polyakova E.I.	Holocene sedimentation environments of the Volga River delta: inferred from diatom assemblages from sediments of the Richa River channel
Tkach N.T., Murray A.S., Kurbanov R.N., Yanina T.A.	On the age of Lower-Khvalynian deposits of Lower Volga
Van de Velde S., Neubauer T., Wesselingh F.P.	Conservation paleobiology in the Razim complex: shelly side of the story
Yaitskaya N.A., Shagarov L.M., Lychagina Yu.M., Magaeva A.A., Tretyakova I.A., Makarovskiy G.V.	About the RFBR-RGO project “The study of cumulative natural hazards during the winter period and their impact on the coastal area of the Caspian Sea”
Yarovaya S.K., Kurbanov R.N., Stevens T., Koltringer C.	Some data about the paleogeography of the Atelian period of the Lower Volga region

Return to hotel “Amaks-Azov”

19.30 CONFERENCE DINNER (Restaurant “Krepostnoy Val” (Rampart), Azov, Dzerzhinskiy str., 2/2)

FIELDTRIPS

August 24, Thursday

Departure from hotel "Amaks-Azov" at 8.00

8.00 – 17.00	Excursion in the Don Delta	The trip by motorboats to branches of the Don Delta. Two groups. Excursion through the base "Kagalnik" (Ethnographical museum SSC RAS, Fish farming complex) 13.00-14.00 - Lunch
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August 25, Friday

Departure from hotel "Amaks-Azov" at 8.00

8.00 – 18.00	Excursion to the Northern coast of the Taganrog bay. Beglitsa section	The trip by bus. Lunch on-the-way.
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August 26, Saturday

Departure from hotel "Amaks-Azov" at 8.00

8.00 – 16.00	Excursion to the Southern coast of the Taganrog bay. Semibalki section. Kagal'nik sand pit	The trip by bus. Lunch on-the-way.
16.00 – 18.00	Excursion to the Azov museum-reserve	Additionally, in the presence of time

August 27, Sunday

Departure from hotel "Amaks-Azov" at 8.00

The trip to Astrakhan via Manych (for PRIDE members)

On all questions concerning the conference, you can contact with Vadim Titov (chairman of the organizing committee) or with Kristina Duyzhova (executive secretary of the conference).

E-mail: quatern2013@yandex.ru

Phones: +7 (863) 250-98-13 (additional 308), +7 928 605-77-84.

Address of Institute of arid zones SSC RAS: Chekhov str., 41, Rostov-on-Don, Russia, 344006

http://www.ssc-ras.ru/ru/conferences/mezhdunarodnaja_molodyozhnaja_shkola-konferencija_tam_gde_vosto/