

XIXth NECLIME meeting
Saint Petersburg, September 25 - 27, 2019

Conference Program

TUESDAY, SEPTEMBER 24

Registration: 17.30 – 18.00, Hall of the Scientific Council of the Komarov Botanical Institute
Ul. prof. Popova 2

Welcome dinner: 18.30, Exhibition Hall "Green house" Botanical Garden of the Komarov
Botanical Institute

WEDNESDAY, SEPTEMBER 25

Hall of the Scientific Council (Herbarium)
Komarov Botanical Institute
Ul. prof. Popova 2

Session chairman Dmitry Gromyko

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| 10.00 | Dmitriy Geltman (Director of the Komarov Botanical Institute) | Opening of the conference, welcome address |
| 10.15 | Torsten Utescher, Angela A. Bruch | Introduction, NECLIME news |
| 10.30 | Lutz Kunzmann, Shu-Feng Li, Jian Huang, Torsten Utescher, Tao Su, Zhe-kun Zhou | The Miocene Climatic Optimum: the terrestrial vegetational perspective from central Europe |
| 10.50 | Edoardo Martinetto | Quantification of plant genera and species extirpation in southern Europe at the end of the Neogene |
| 11.10 Coffee break | | |
| 11.40 | Yaowu Xing, Renske E. Onstein, Maria A. Gandolfo, Qiuyue Zhang, H. Peter Linder | Cenozoic north temperate woody angiosperm diversity regulated by global temperatures |
| 12.00 | Wilfried Konrad & Anita Roth-Nebelsick | Dual-use of a proxy: obtaining palaeo-temperature from stomatal density and palaeo-CO ₂ |
| 12.20 | Vasilis Teodoridis & Petr Mazouch | The Integrated Plant Record vegetation analysis – methodological advancements |
| 12.40 | Torsten Utescher, Olesya Bondarenko, Yusheng (Christopher) Liu, Volker Mosbrugger, Svetlana Popova, and Cheng Quan | Towards an analysis of Cenozoic continental climate patterns on both sides of the Pacific |

13-00 Lunch

Session chairman Zhou Zhe-Kun

- 14.30 Bruch, A.A., Astghik Papikyan, Gabrielyan, I., Kvavadze, E. The resource space of Early Homo in Europe – implications from vegetation dynamics and plant food resource availability in the Caucasus
- 14.50 Yul Altolaguirre, Angela A. Bruch, Luis Gibert. Early Pleistocene climate and regional environments in Southern Spain – A palynological study of lake sediments in the Baza Basin, SE Spain
- 15.10 Arata Momohara, Takeyuki Ueki, Takeshi Saito. Early Pleistocene climatic and floral evolution in central Japan reconstructed from plant macrofossil assemblages

15.30 Coffee break

- 16.00 Wang Wei-Ming, Zhang Ji-Xiao, Gao Feng Recent progress of Late Paleolithic vegetation and climate study in Yunnan province, SW China
- 16.20 Yi-Feng Yao, Xia Wang, Feng Qin, Alexandra H. Wortley, Stephen Blackmore, Yu-Fei Wang Climate instability during the Younger Dryas interval in the Hengduan Mountains
- 16.40 Elen Hakobyan, Ivan Gabrielyan, Edoardo Martinetto, Angela A. Bruch. A contribution to vegetation reconstruction based on palaeocarpological material from Lake Sevan's Holocene peat bog

17.00 Tour to the Komarov Botanical Institute Greenhouse

THURSDAY, SEPTEMBER 26
Hall of the Scientific Council (Herbarium)
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Ul. prof. Popova 2

Session chairman Torsten Utescher

- 10:00 Oleksandra Chernomorets, Jakub Sakala Impact of being evergreen or deciduous on the wood anatomy of the trees in polar regions during the warm geological period: case study from Upper Cretaceous of the James Ross Island (Antarctic Peninsula)
- 10.20 Yong-Jiang Huang, Lin-Bo Jia, Arata Momohara, Tao Su, Hai Zhu, Zhe-Kun Zhou Fossil charcoals indicate a local wildfire in a coniferous mixed forest from the late Pliocene of southeastern Tibetan Plateau
- 10.40 Gongle Shi A Miocene flora from Huanan, Heilongjiang, Northeast China
- 11.00 Zixi Wang New fossils of Lauraceae and epiphytic fungus from the Middle Miocene of Fujian, southeastern China
- 11.20 Hui Jia, Bainian Sun, Xiangning Meng, Xiangchuan Li, Liang Xiao The Miocene Fagaceae from Zhejiang, eastern China and its palaeobiogeographical, palaeoclimatic significance

11.40 Coffee break

- 12.10 Zhekun Zhou Tibet was the crossroad of floristic exchange in Paleogene
- 12.30 Chunxiang Li, Robbin C. Moran, Junye Ma, Bo Wang, Jiasheng Hao, Qun Yang New fossil of *Krameropteris* (Denntstaedtiaceae) in mid-Cretaceous amber from Myanmar
- 12.50 Nela Doláková, Marianna Kováčová, Torsten Utescher Vegetation and climate changes during the MMCO and MMCT in the northern part of Central Paratethys (Czechia and Slovakia)
- 13.10 Dimiter Ivanov & Vladimir Bozukov A contribution to the Oligocene flora from the Pernik Basin, Bulgaria
- 13.30 Poster session**
Discussions
Lunch
- Session chairman Svetlana Popova**
- 15.00 Tengxiang Wang, Jian Huang, Wen-Na Ding, Cédric Del Rio, Tao Su, Zhekun Zhou Fossil involucre of *Ostrya* (Betulaceae) from early Oligocene Yunnan and its biogeographical implications
- 15.20 Alexei A. Oskolski, Anna V. Stepanova, Huang Luliang and Jianhua Jin Araucarioid fossil wood from the late Oligocene – early Miocene of Hainan Island: the most ancient evidence of the genus *Agathis* in eastern Asia
- 15.40 Vandana Prasad & Torsten Utescher Quantitative reconstruction of early Eocene climate of the equatorial region based on Indian palynological records
- 16.00 Coffee break**
- 16.30 Gaëtan Guignard, Xiao-Ju Yang, Yong-Dong Wang. Cuticle ultrastructure of *Baiera furcata* from Northeast China and its implication in taxonomy and palaeoenvironment
- 16.50 Desa Djordjević Milutinović, Branka Stevanović Comparative analysis of the European fossil leaves within the genus *Nelumbo*
- 17.10 Aleksej Vladimirovič Hvalj Palaeocarpological collections of the Komarov Botanical institute
- 17.30 Torsten Utescher, Angela A. Bruch Final discussion, closing of the conference

POSTER SESSION

Hall of the Scientific Council (Herbarium)
Komarov Botanical Institute
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| Svetlana Popova, Torsten Utescher, Danila Zarkhidze, Angela Bruch, Volker Mosbrugger | Pleistocene climate and vegetation of cape Spindler (Ugra Peninsula) and palaeoenvironmental implications. |
| Dana Höfer, Martina Stebich, Lutz Katzschmann | Palynological studies on biostratigraphy and palaeoenvironment of the Middle Pleistocene in Thuringia/Germany |
| M. P. Tiunov M. V. Vinokurova. | The first find is the late Pleistocene-Holocene bone remains of <i>Myospalax</i> in the Jewish Autonomous Region (Russian Far East) |
| Eduard Kuznetsov, Arseny Galimov, Julia Shalaumova, Aleksandr Borodin | Insolation variations influence on the climatogenic dynamics in Eurasian subarctic for the Holocene |
| Nowak H., Roghi G. & Kustatscher E. | Correlation between the different Triassic palynozonation schemes |
| Guido Roghi, Evelyn Kustatscher, Eugenio Ragazzi, Leyla Seyfullah & Alexander Schmidt | Palynological analyses of the Italian Triassic amber bearing layers |

FRIDAY, SEPTEMBER 27

09.00 a.m. Departure from the Herbarium building of the Botanical Garden (ul. prof. Popova 2).

Floristic & Historical bus tour: (1) botanical tour in the vicinity of the Sestroretskiy Razliv lake; (2) town Kronstadt: Naval Cathedral of Saint Nicholas.

SATURDAY, SEPTEMBER 28

Post conference field trip to the Polar-Alpine Botanical Garden-Institute located north of the Polar Circle, in the Murmansk region.

September 28

- 8.00 Transfer from Botanical Garden to Ladozhsky railway station
- 9.30 Boarding on train. Ladozhsky railway station

September 29

- 8.00 Arrival in the station Apatity
- 8.30 Transfer to the Hotel Tirvas
- 9.00 Hotel check in
- 10.00 Breakfast
- 12.00 Ecological – botanical tour to Khibiny mountain (around 4 hours)
- 17.30 Dinner

September 30

- 8.30 Breakfast
- 10.00 Excursion to the Polar-Alpine botanical Garden-Institute of RAS
- 13.00 Lunch
- 14.30 Trip to the Kirovsk Museum and Exhibition
- 18.00 Dinner
- 20.00 Hotel check out
- 23.37 Departure by train

October 1st

- 22:16 Arrival at the Ladozhsky railway station, Saint Petersburg