

NECLIME annual meeting in Zagreb, Croatia — September 15th – 19th, 2025

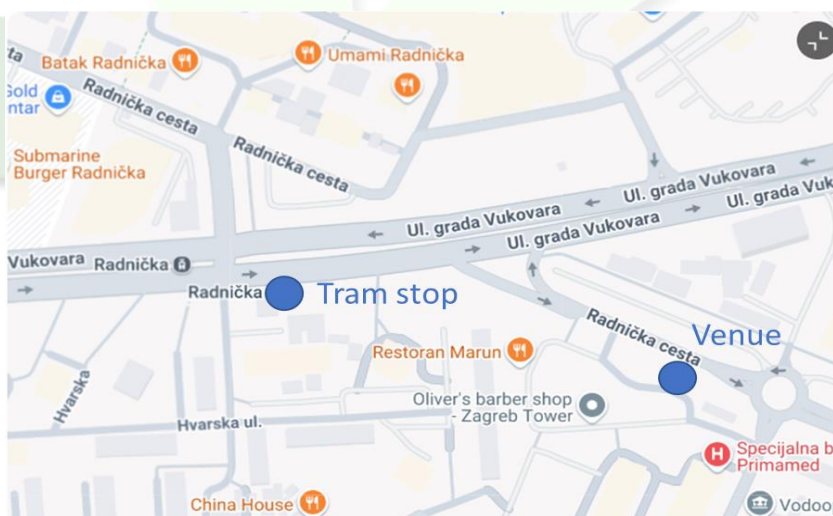


Third circular

Dear Colleagues and NECLIME members,

We warmly welcome you to the 2025 annual meeting of the **Network on Cenozoic Climate and Ecosystems** to be held from September 15th – 19th, 2025, in Zagreb, Croatia, jointly organized by the Croatian Geological Survey (HGI-CGS), Croatian Geological Society (HGD) and the University of Zagreb, Faculty of Science (Department of Biology and Botanical Garden). The meeting is followed by a three-day excursion to the Papuk UNESCO Geopark from September 17th – 19th, 2025.

Venue



The NECLIME meeting will be held at the **Zagreb Tower**, in the meeting room **Cactus (Radnička cesta 80, 10000, Zagreb)**.

The venue is located in the city centre of Zagreb that is easily accessible by public transport. Closest tram stop to the meeting venue is Radnička served by tram lines 2, 3, 13. The venue is about 5 minutes walking distance from the Radnička tram stop. Tram tickets can be purchased at any local newsstand (TISAK) or by scanning the QR codes on the trams with the ZET mobile app <https://www.zet.hr/tickets-and-fares/moj-zet-app/8111>.



Guidelines for presenters

Oral presentations format will be **15 minutes + 5 minutes** for questions and change of speaker. Participants that will overstep the 20-minute mark will be interrupted without room for questions. Online participants are asked to send their recorded talks in advance together with their PowerPoint presentations no later than **September 10th, 2025**. They should also abide by the 15 minutes + 5 minutes for questions rule. The online meeting link will be sent to the participants a few days prior to the NECLIME Annual Conference.

Poster format is A0, portrait orientation.

We kindly ask all poster presenters to send us a pdf of their poster no later than **September 10th, 2025**. We will showcase them to the online participants through the cloud of the Croatian Geological Survey. The posters will be available only for inspection and only during the time being of the NECLIME Annual Conference.

Conference Schedule

Sunday 14th September		
Arrival in Zagreb. For those who have arrived we will meet in the city center at 6 pm (local time) for socialising, dinner and drinks (optional, not covered by the registration fee)		
Monday 15th 8:00—9:00		
Registration, Zagreb Tower, meeting room Cactus (Radnička cesta 80, 10000, Zagreb)		
Morning slot 1.		
9:00—10:40 Welcome and key note speeches		Chair: Koraljka Bakrač
9:00-9:10	Koraljka Bakrač	Welcome note
9:10-9:40	Angela Bruch	NECLIME news and introductory notes
9:40-10:10	Marijan Kovačić (key note)	Stratigraphic and sedimentary evolution of the Neogene in the Croatian part of the Pannonian Basin System
10:10-10:40	Jasenska Sremac (key note)	Neogene fossil floras of Croatia
10:40—11:00 Coffee break		

Morning slot 2. 11:00—12:20 Scientific session			Chair:
11:00-11:20	Poonam Verma (online)	Fate of tropical rainforest under global warming: Lessons from the Early Paleogene greenhouse-gas-induced hyperthermal event	
11:20-11:40	Nazim Deori (online)	Paleoenvironmental dynamics and tropical rainforests (TFR) response to the Middle Eocene climatic optimum (MECO): palynological and geochemical insights from Bartonian deposits of the Kachchh Basin, Western India	
11:40-12:00	Shalini Parmar (online)	Distributional ranges of tropical freshwater wetlands over geological time: Insights from the Paleocene-Eocene <i>Myristica</i> swamp from western India	
12:00-12:20	Nan Wang	The Eocene–Oligocene transition global climate and vegetation changes: Review of recent progress	
12:20-13:30 Lunch break and posters			
Afternoon slot 1. 13:30—14:50 Scientific session			Chair:
13:30-13:50	Zhekun Zhou	The Discovery of the Eocene genus <i>Palibinia</i> from Xizang, China and its geological and biological significances	
13:50-14:10	Xiaoyan Liu	Earliest <i>Cladocerus</i> from the Late Eocene Hunan Province, southern China and its biogeographic implications	
14:10-14:30	Nguyen Ba Hung	Late Eocene ring-porous wood reveals early adaptation to monsoon climate of woody angiosperms	
14:30-14:50	Jian Huang	The Tertiary Tethyan relict flora in East Asia	
14:50—15:10 Coffee break			
Afternoon slot 2. 15:10—16:30 Scientific session			Chair:
15:10-15:30	Olena Sirenko	Palynological studies of Upper Cenozoic fossil soils as an important tool for palaeogeographic reconstructions (on the example of Pliocene and Pleistocene of Ukraine)	
15:30-15:50	Lisa Schiersch	Quantifying the relationship between the regional vegetation and the pollen record of Armenia and Georgia	
15:50-16:10	Angela Bruch	Early Pleistocene vegetation dynamics in the Southern Caucasus driven by global climate and regional tectonics	
16:10-16:30	Ivona Baniček	Coastal vegetation shift during the 8.2 ka event in the Eastern Adriatic (Kornati Islands)	
17:00—18:30 Visit to the Botanical Garden, Marulićev trg 9a, 10000, Zagreb. Organized by Dario Hruševár (PMF).			
19:00—Conference Dinner, Stari Fijaker, Mesnička ul. 6, 10000, Zagreb.			

Tuesday 15th 8:00—9:00

Registration, Zagreb Tower, meeting room Cactus (Radnička cesta 80, 10000, Zagreb)

Morning slot 1.**9:00—10:20 Scientific session****Chair:**

9:00-9:20	Wilfried Konrad	Atmospheric CO ₂ affects climate demands of plants
9:20-9:40	Jin-Jin Hu	Palaeo-CO ₂ reconstructions based on calibration curves constructed by combining stomatal frequency of three oaks
9:40-10:00	Edoardo Martinetto	Expert help for leaf cuticle studies badly needed for a thorough understanding of Neogene continental ecosystem and climate evolution in NW Italy
10:00-10:20	Shufeng Li	Developing a Cenozoic paleoecological database for Eurasia: Insights from plant macro- and palynological fossils

10:20—10:40 Coffee Break**Morning 2.****10:40—11:40 Scientific session****Chair:**

10:40-11:00	Sadanand (online)	Miocene <i>Combretum</i> from the Lower Siwalik and its biogeographic and paleoclimatic significance
11:00-11:20	Anjali Trivedi (online)	Deciphering modern pollen-vegetation relationships and land cover dynamics: Implications for Holocene paleoclimate reconstruction in the Northwestern Himalaya, India
11:20-11:40	Grzegorz Worobiec (online)	Fossil microsclerotia of dark septate endophytic fungi from Cenozoic deposits of Poland

11:40—13:00 Lunch Break**13:00—13:30 Poster Session****Afternoon slot 1.****13:30—14:50 Scientific session****Chair:**

13:30-13:50	Yan Wu	The loss and revival of the passion-flower family (Passifloraceae) in East Asia: Evidences from fossils and systematical biology
13:50-14:10	Li Wang	Bamboo fossils from Europe and West Asia and their paleophytogeographical and palaeoclimatical implications
14:10-14:30	Mengxiao Wu	Integrated fossil and molecular evidence revealed the spatiotemporal evolution of Betulaceae
14:30-14:50	Qiuyue Zhang	Asynchronous evolutionary dynamics of continent-specific diversity in the north temperate woody angiosperms

14:50—15:10 Coffee Break		
Afternoon slot 2.		
15:10—15:50 Scientific session		Chair:
15:10-15:30	Koraljka Bakrač	Non-pollen palynomorphs from Croatia: the role of cyanobacteria and algae in paleoecology
15:30-15:50	Jan Hinkelman	Non-pollen palynomorphs: insight from animal remains in the fossils record
15:50—16:50 NECLIME final discussion and closing remarks		Chair: Angela Bruch
18:00—19:00 Geological walk through Zagreb. Organized by Karmen Fio Firi (PMF).		

Poster Presentations

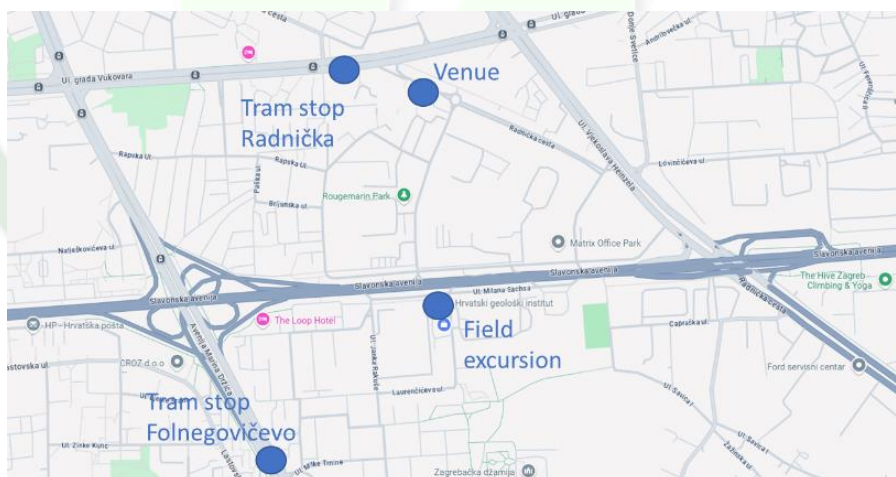
Viktória Baranyi	Taxonomy, environmental and biostratigraphical implications of brackish-water dinoflagellate cysts from Lake Pannon (Late Miocene, Pannolian Basin System)
Dario Hruševár	ZAG - three letters that denote a new era of Croatian palynology
Marianna Kováčová	A multiproxy study of a sequence formed during Sarmatian/Pannonian isolation of an epicontinental basin (Vienna Basin, Slovakia)
Anna V. Shidlovskaya	Vegetation and climate of the Belarusian Polesie area in the Muravian (Eemian) interglacial
Samiksha Shukla	Unveiling ancient lineages: <i>Eriolaena</i> fossil leaf and phylogenetic insights into the evolutionary history of the winged seed clade
Xinkai Wu	Earliest record of <i>Bauhinia</i> s.l. (Fabaceae): A Middle Paleocene naturally folded leaf from South China
Yaowu Xing	Heterogeneous occurrence of evergreen broad-leaved forests in East Asia: Evidence from plant fossils

Field excursion

A three-day excursion to Papuk UNESCO Geopark from September 17th- 19th 2025 is planned. A field guidebook will be provided to all participants. Accommodation, meals, and transport are all included in the price. Please be sure to bring field clothes, backpack, sturdy field shoes, a hat, water, water bottle, snacks. There will be a possibility to buy additional food in a grocery store on the way to Papuk and there is a store in Velika as well.

Meeting Point: Croatian Geological Survey, Ulica Milana Sachsa 2, Zagreb; **departure 17.09. at 8:00 am.**

The meeting point is accessible by tram lines 2, 3, 13 from the tram stop Radnička in about 10 minutes walking distance, or from the tram stop Folnegovićevo naselje served by lines 6,7 and 8, followed by ~ 5 minutes walk.



Kutjevo wine tasting

Participants of the field excursion will have the opportunity to tour the famous old wine cellars of Slavonia and try local wines and delicacies in one of the oldest wineries of Croatia. Kutjevo has almost eight century old traditions offering top wine labels, which embody the wonderful Valis Aurea terroir in Slavonia. The winery is recognized around the world by its unique crystal-golden white wine, Graševina.

<https://www.kutjevo.com/en>

Field Excursion Schedule

	Wednesday 17 th September		Thursday 18 th September		Friday 19 th September
7:00		7:00	Breakfast at Vila Štefica, Velika	7:00	Breakfast at Vila Štefica, Velika
8:00	Drive from Zagreb to Papuk, Zvečevo and introduction to the Geopark	8:00		8:00	
9:00		9:00	House of the Pannonian Sea, Velika	9:00	
10:00		10:00		10:00	
11:00	Trešnjevica Quarry	11:00	Poljanska Quarry and lunch (lunch paket), sturdy field shoes required, walking involved	11:00	Cabuna
12:00	Rupnica Geosite	12:00		12:00	
13:00	Visitor centre Voćin	13:00		13:00	Đurđevački pijesci site
14:00		14:00		14:00	Đurđevački pijesci visitor centre
15:00	Lunch	15:00		15:00	
16:00	Jankovac Forest Park	16:00	Kutjevo, wine tasting	16:00	Lunch
17:00		17:00		17:00	
18:00		18:00	Radlovac Quarry	18:00	Travel back to Zagreb, arrival in the evening hours
19:00	Dinner and accommodation at Vila Štefica, Velika	19:00	Dinner and accommodation at Vila Štefica, Velika	19:00	

Organizing Committee Chair: Koraljka Bakrač, Croatian Geological Survey, kbakrac@hgi-cgs.hr

Organizing Committee Representatives

Viktória Baranyi, Croatian Geological Survey

Jan Hinkelman, Croatian Geological Survey

Ivona Baniček, Croatian Geological Survey

Dario Hrušev, University of Zagreb, Faculty of Science, Department of Biology

Božena Mitić, University of Zagreb, Faculty of Science, Department of Biology

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We are looking forward to meeting you in Zagreb in September 2025!