

Poročila - Report

6th Regional Scientific Meeting on Quaternary Geology: Seas, Lakes and Rivers, September 2021, Ljubljana

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The 6th Regional Scientific Meeting on Quaternary Geology took place from September 27th through 29th, 2021 in a hybrid form: as a virtual and in-person meeting in Ljubljana, Slovenia. The meeting was primarily intended as an opportunity to bring together researchers working on Quaternary geology, geomorphology, stratigraphy, and related subjects in the Adriatic, Alpine, Dinaric, and Pannonian regions, however, participants more involved in other regions were also welcome. This meeting was the first one hosted by the Slovenian INQUA Committee (SINQUA¹), while the first 5 meetings were organized by the Croatian INQUA Committee. Together with the Croatian and Italian Quaternary communities, including 19 partner institutions and associations from the region, SINQUA organized this meeting with the main theme “Seas, Lakes and Rivers”, which was the focus of the keynote lectures and the virtual excursion. The meeting was attended by about fifty researchers from nine countries.

Full list of organizers: Slovenian INQUA Committee (SINQUA), Croatian INQUA Committee (CRO-INQUA), Geological Survey of Slovenia (GeoZS), Research Centre of the Slovenian Academy of Sciences and Arts (ZRC SAZU), Institute of Archaeology (IzA) & Karst Research Institute (IZRK), Faculty of Natural Sciences and Engineering, University of Ljubljana (UL NTF), CNR - Institute of Geosciences and Earth Resources (IGG), University of Padova (UNIPD), CNR - Institute of Environmental Geology and Geoenvironment, Unit of Milano (IGAG), Institute of Quaternary Paleontology and Geology, Croatian Academy of Sciences and Arts (HAZU), Croatian Geological Survey (HGI), Faculty of Science, University of Zagreb (PMF), Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb (RGNF), Archaeological Museum

of Istria (AMI), Flinders University, Adelaide, Australia (FLIN), Slovenian Geological Society (SGD), Geomorphological Society of Slovenia (GMDS), Italian Association for Quaternary Research (AIQUA), Faculty of Arts, University of Ljubljana (UL FF), and Marine Biology Station Piran (NIB-MBP).

Organizing and Scientific Committee: Petra Jamšek Rupnik – chair (GeoZS), Ana Novak – vice-chair (GeoZS, UL NTF), Maja Andrič (ZRC SAZU, IzA), Miloš Bavec (GeoZS), Dea Brunović (HGI), Nina Caf (ZRC SAZU, IzA), Branko Čermelj (NIB-MBP), Goran Durn (RGNF), Igor Felja (PMF), Alessandro Fontana (UNIPD), Andrej Gaspari (UL FF), Ozren Hasan (HGI), Nikolina Ilijanić (HGI), Katarina Jerbić (FLIN), Ida Koncani Uhač (AMI), Ljerka Marjanac (HAZU), Eva Mencin Gale (GeoZS), Slobodan Miko (HGI), Giovanni Monegato (IGG), Andrej Novak (UL NTF), Roberta Pini (IGAG), Tomislav Popit (UL NTF), Mitja Prelovšek (ZRC SAZU, IZRK), Livio Ronchi (UNIPD), Cesare Ravazzi (IGAG), Andrej Šmuc (UL NTF), Astrid Švara (ZRC SAZU, IZRK), Nadja Zupan Hajna (ZRC SAZU, IZRK), Manja Žebre (GeoZS).

The three-day meeting took place in the Atrium of the Research Centre of the Slovenian Academy of Sciences and Arts and through a virtual platform for remote participants. The meeting was opened by Miloš Bavec, representative of SINQUA, Goran Durn, president of CRO-INQUA, and Giovanni Monegato, president of AIQUA. The first two days were devoted to scientific sessions that included 39 presentations on 1) seas & transitional environments, 2) archeology, earthquakes & structural geology, 3) projects, 4) lakes, forelands & mountains, 5) karst, and 6) aeolian sediments. The keynote lectures included presentations by a) Branko Čermelj (NIB-MBP): The

¹ SINQUA formed in 2014 and has been under the auspices of the Slovenian Geological Society, a member of the International Union for Quaternary Research (INQUA), since 2015. Its mission is to connect Quaternary researchers and share the latest research results with both the Slovenian and international Quaternary research community. The main goal is the progress in the field of Quaternary science in Slovenia. You can find more information on the website of the <https://www.slovenskogeoloskodrustvo.si/index.php/mednarodno-sodelovanje/sodelovanje-v-mednarodnih-organizacijah>.

recent sediments of the Gulf of Trieste, the most northern part of the Adriatic – An overview of the last 5 decades of the biogeochemical and sedimentological research, b) Slobodan Miko (HGI): Submerged landscapes of the Eastern Adriatic Sea, c) Andrej Gaspari (UL FF): Underwater archaeological investigations in Slovenia (the Slovenian sea and Ljubljana moor), d) Nadja Zupan Hajna (IZRK): Sediments of a sinking river in karst over time: Škocjan Caves as a case study, e) Nikolina Ilijanić (HGI): Paleolimnology of Holocene karst lakes along the Eastern Adriatic coast. The second day ended with a geological tour of Ljubljana led by Matevž Novak (GeoZS). On the third day, a virtual excursion took us to Quaternary marine, lacustrine and fluvial sites in Slovenia, Italy and Croatia, presented by Alessandro Fontana (UNIPD), Giovanni Monegato (IGG), Petra Jamšek Rupnik (GeoZS), Andrej Šmuc (UL NTF), Maja Andrič (IzA), Nina Caf (IzA), Katariina Jerbić (FLIN), Ana Novak (GeoZS, UL NTF) and Livio Ronchi (UNIPD). More information with the full program is available on the meeting's [website](#).

Despite the hybrid format of the meeting, the presentations stimulated lively discussions in a friendly atmosphere. Many new research results were presented and collected in the Book of abstracts, which is available [online](#). In addition, a special issue of *Quaternary - Seas, Lakes and Rivers in the Adriatic, Alpine, Dinaric and Pannonian Regions during the Quaternary* is in preparation for selected papers.



Fig. 1. The meeting venue was in the center of Ljubljana, in the Atrium of the Research Center of the Slovenian Academy of Sciences and Arts (photo: P. Jamšek Rupnik).

The next meeting, the 7th Regional Scientific Meeting on Quaternary Geology, will be organized by the Croatian INQUA Committee in 2024 in Croatia.

Acknowledgements:

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Fig. 2. The hybrid form of the meeting attracted more virtual participants. The virtual excursion on the 3rd day of the meeting was mainly followed online (photo: P. Jamšek Rupnik).

¹ <https://www.geo-zs.si/rmqg/>

² https://www.geo-zs.si/PDF/Monografije/6thRMQG_BookOfAbstracts.pdf

³ https://www.mdpi.com/journal/quaternary/special_issues/6th_RMQG



Fig. 3. Geological tour through the city center of Ljubljana led by Matevž Novak (photo: P. Jamšek Rupnik).



Fig. 4. Some of the presentations were pre-recorded. The virtual excursion stop by A. Šmuc, M. Andrič and N. Caf was presented and recorded at the viewpoint above Lake Bohinj (photo: P. Jamšek Rupnik).