

8 Post - Holocene marine and lake landscapes of Dalmati- the National Parks Krka and Kornati

Excursion Leaders: Slobodan Miko, Ozren Hasan, Nikolina Ilijanić, Dea Brunović

Proposed Excursion Dates: 21nd July 2023 to 24th July.2023.

Draft Itinerary: Rome-Split-Šibenik-NP Krka-Šibenik-Murter I.-NP-Kornati-NP Telašćica-Šibenik-Split

Definitive cost per head: 450 €

Accommodation arrangements: Hotel

Proposer Contact Details:

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The boat field trip encompasses two National Parks – Krka and Kornati, and Nature Park Telašćica in central Dalmatia. During the field trip we revisit the Quaternary paleoenvironments and geomorphological features of the area.

The Quaternary fluvial record of Krka river is an unique karst environment with a 46 m high system of Holocene tufa barriers, waterfalls and lakes and the remains of Eemian tufa barriers that tower 20m above the Holocene barriers. The excursion will illustrate the morphology of the Skradinski buk tufa barriers and the Visovac lake depression.

Downstream from Skradinski buk are submerged tufa barriers and lakes that formed during the early Holocene and which due to the Holocene sea-level rise, the barrier system was gradually submerged.

The outer rim of the islands in the NP Kornati and Telašćica exhibits up to 100 m high tectonic escarpment that extends deep below the present sea level (-90 m) and forms one of the most spectacular features of the karstified eastern Adriatic coast. The karst geomorphology enabled the formation of different Quaternary paleoenvironments that have also been submerged due to the Holocene sea level rise. We visit marine lake Mir that is the modern analogue of the environments that formed prior to the marine flooding of isolated karst basins.

The field trip covers the topics of karst Fluvial and Lake environments, Coastal and Marine Processes, Paleoclimate, lateglacial sea-level rise.



NP Krka-Skradinski buk tufa barriers and waterfalls of Krka river and tufa deposits.



NP Kornati- 50 m high cliffs of Veliki Rašip island.



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