



The newest findings on Red Lake (Dinaric karst of Croatia)

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Red Lake in the Dinaric karst (Croatia) is of the deepest karst lakes in the world. Even so, through the history of Red Lake's research there were many controversies in the conclusions and the theories concerning its genesis, geomorphology and hydrology. This work has for a goal to present the newest research results won with the help of emerging technologies based on LiDAR and SoNAR methods. The measurements took place during September 2013. New generation of equipment developed to advance the geoscientific research has been deployed during the field work and the gathered data enabled the analysis which led to a new understanding of the lake's morphology. Some of the results confirmed already known and well documented features of Red Lake whereas others disputed widely accepted assumptions in the scientific community and general public. The objective of this paper is also groundwork for further research in the field of karst hydrology and a new insight on local and regional scale.