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Coastal Environmental Change
During Sea-Level Highstands:
A Global Synthesis with implications
for management of future coastal change

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Quaternary coastal morphology and sea level changes



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Evolution of the Croatian shore line between Porec and Split over the past 2000 years

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Abstract

Along the Croatian Coast we have carried out a series of divers, looking for geomorphological and archaeological indicators of ancient sea-levels. A submerged notch, corresponding to a sea level lower by about 50 cm than the present one, can be observed in several places along the Croatian Coast between Porec and Zadar.

A number of submerged archaeological remains like Roman quarries, fish-ponds, cisterns, give evidence that the notch corresponds to the sea level in Roman antiquity, 2000 years ago. South of this area, from Zadar to Split, Roman submerged archaeological remains are related to a sea level lower by about 1,50 m than the present one. We present our observations along the Croatian coastline, from Porec to Split, and discuss the possibility of a regional neotectonic effect on the last 2000 years.

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Figure 1. The study area.

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