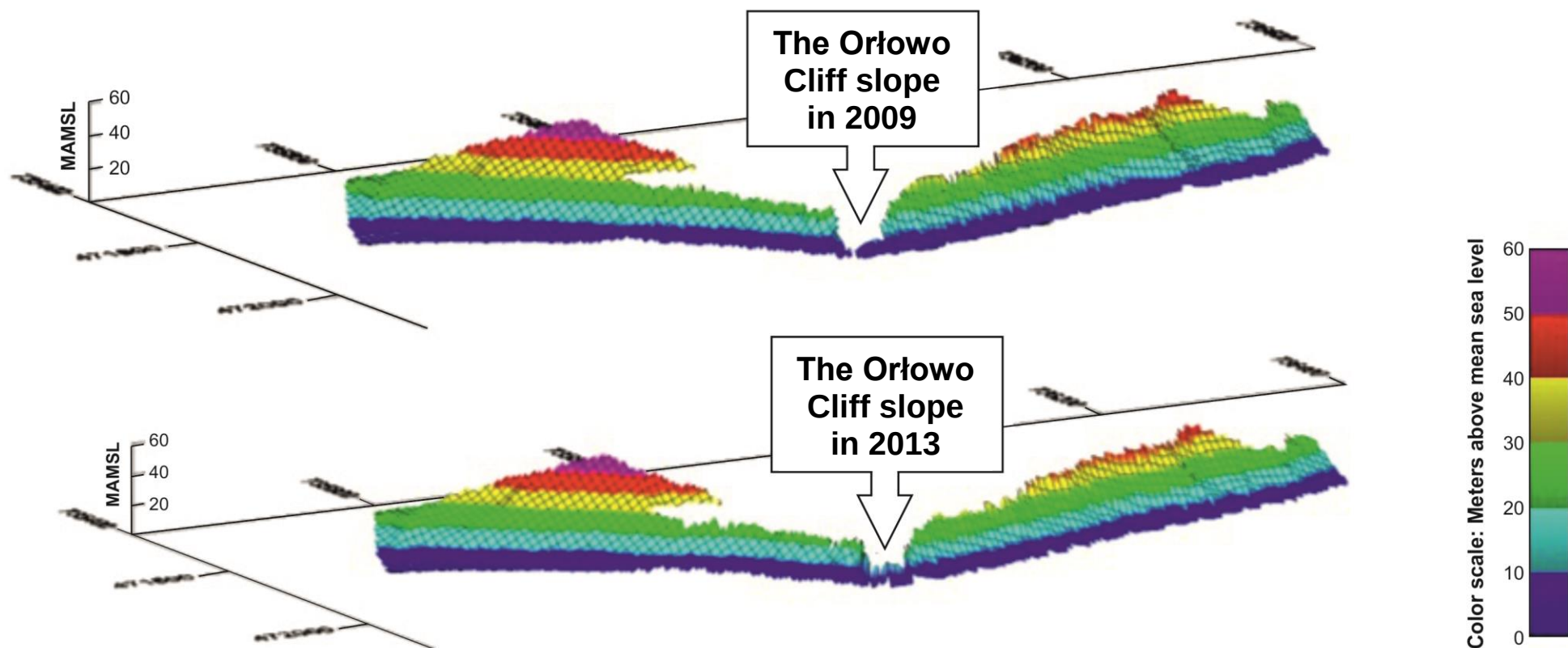


Online Resource 2

Supplementary material to the article published in Environmental Science and Pollution Research
Coastal erosion as a source of mercury into the marine environment along the Polish Baltic shore
by M. Bełdowska, A. Jędruch (✉), L. Łęczyński, D. Saniewska and U. Kwasigroch
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Temporal changes in the active layer of deposits occurring on the surface of the cliff slope based on the Airborne Laser Scanning (ALS), LiDAR results (Orłowo Cliff example):



Determination of the Hg load introduced into the marine environment due to coastal erosion (Orłowo Cliff example):

The volume difference between Orłowo Cliff slopes in years 2009 and 2013: **14 561 m³**

The annual average volume of sedimentary material loss: **3 640 m³ a⁻¹**

The annual average mass of sedimentary material loss: **9 647 t a⁻¹** (the sediment density used to the calculation: **2.65 g cm⁻³**)

The annual Hg load: **0.08 kg a⁻¹** (the Hg level in the deposits used to the calculation: **8.8 ng g⁻¹ dw**)