



Solid flood, major source for reservoir silting

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The paper regards the role that the solid flow has in accelerating the processes of reservoir silting. Therefore, we have selected a few reservoirs: Firiza, Fantanele, Paltinu, Dridu, Siriu, Cincis, that have a singular location, in order to eliminate the anthropic pressures which affect the lakes that have a waterfall layout.

The analysis is focused on the comparison between the volumetric dimension that the sediments transported out during the greatest floods of the last decade and the mean value of the transported volumes in that specific month, including the mean value of the whole year.

Using this extra alluvial discharge we have estimated the degree of silting that each reservoir has.

Besides these objectives we have also chosen to present a comparison between the average value of the granulometric fractions carried out during a period of normal liquid and solid discharges and a period of floods.