Co-funded by the
Erasmus+ Programme
of the European Union

Hydraulic structures. Dams and reservoirs

Elements of dam engineering 1-2

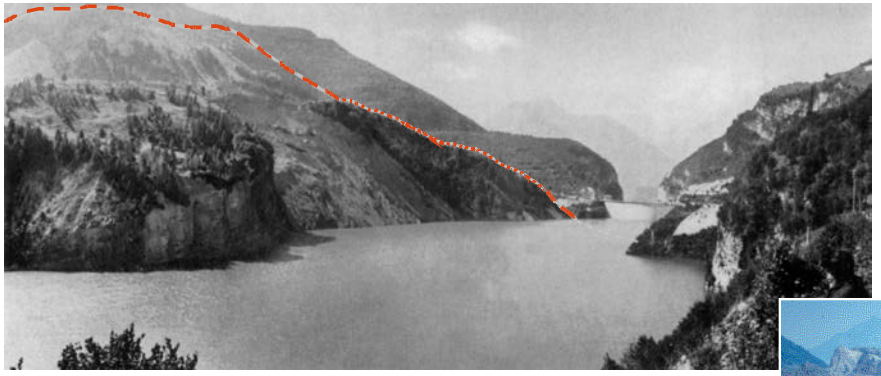
Assoc. Prof. Maria Mavrova
University of Architecture, Civil Engineering and Geodesy - Sofia

Sofia winter School 29 November – 10 December 2021
Date: 6 December 2021

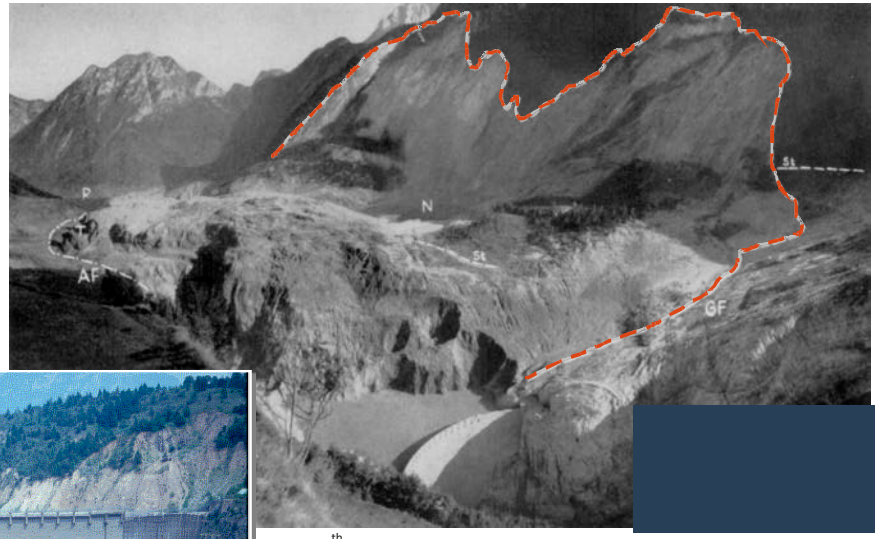
This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Vajont Dam Collapse

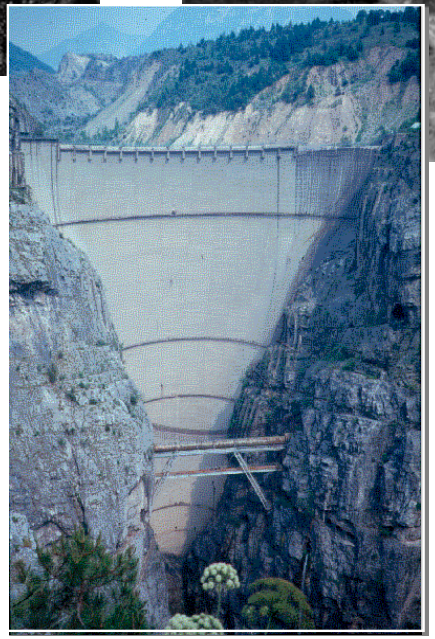
Vajont Arch Dam / Italy



th



th



Height: 262 m
Crest length: 190 m

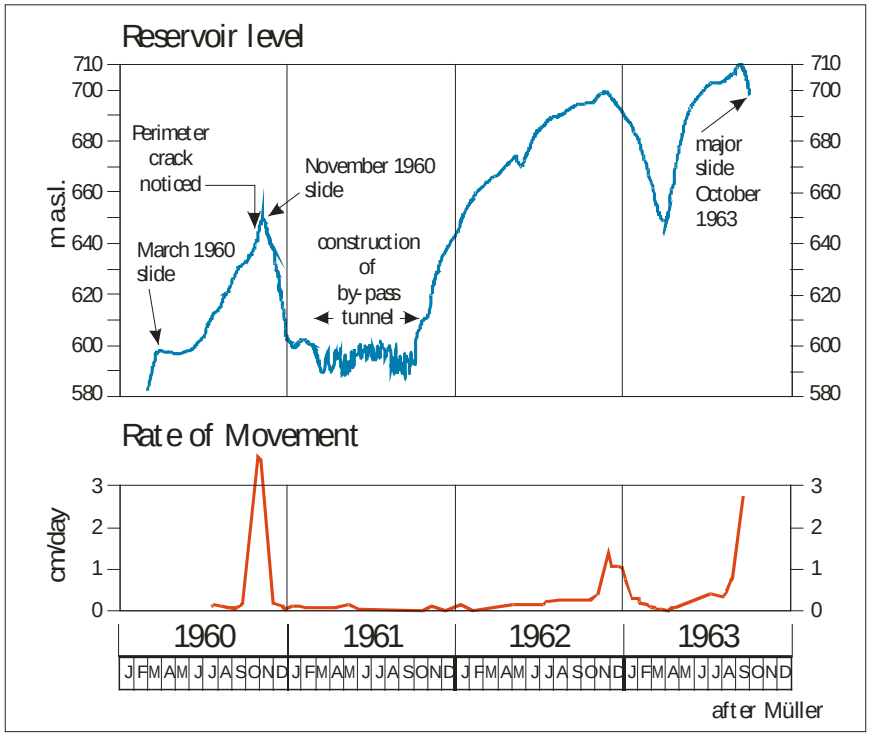
Vajont Dam Collapse – Disaster of the Century

- https://www.youtube.com/watch?v=hjVJhe60hHQ

Debate on the topic

Why? Why Vajont dam collapsed?

Vajont Arch Dam / Italy



Observations:

Deformations, Piezometric heads, Cracks

Investigation:

Deformation of reservoir slopes

Piezometric heads in reservoir slopes

Visual inspection by geologists

Interpretation of results

Three Columns