

Maximum wave height measured (E. Semenza, 1963) **935.50 m s.l.**

Casso Village  
964.00 m over s.l.



E. Semenza, october 22nd, 1963

*Vajont reservoir  
October 9th, 1963 event*



Carlioni e Mazzanti, 1964, modified

# Conclusions

Part of the results obtained within the research program defined empirical formulation to forecast the principal features of the impulse generated waves **as a function of the landslide mechanism.**

These formulations have been here in the study of three famous and tragic event landslide generated waves occurred in Pontesei and Vajont artificial basins.

By making reasonable assumption about the landslide kinematical parameters, this work has shown that the considered empirical formulation well estimated the values of both the maximum generated wave height  **$H_{max}$**  and the wave run-up  **$r_u$** . Observation of the reported events from the literature showed a very satisfactory agreement with the empirical formulations results.