Management of the Water Resources of the Piave River amid Conflict and Planning

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CATCHMENT BASIN OF THE PIAUE RIVER





(Average values relative 1928 - 1953)



• Before 20th Century water availability was over abundant compared to the requirements of various uses (irrigation, logging from the mountains and navigation, mills).



•During 20th century an artificial system of water resources exploitation was created. A notably increased water demand is derived from hydroelectric power and intensive agriculture development.



During the 2nd half '900s the transformation and economic growth of the mountain area with the defence of environmental aspects have shown new water demands (tourism, industries, recreation, fish and wildlife). The increasing demand has brought a decreasing in water availability and reserves.

The disaster of Veront has deprived the Piave system of a volume 150

million cubic meters of water.

9th oct 1963 -Landslide front 2 Km width 500 m Height 250 m Volume 270·10⁶ m³ 2.000 victims Destruction of Longarone, Erto, Casso villages.

Nervesa della Battaglia outlet section

Comparison between availability and water demand in Piave basin



SITUATION IN CERTAIN SUMMER PERIODS HIGHLY CONFLICTUAL AND EXPLOSIVE

RIVER-BASIN MANAGEMENT AUTHORITY HAS TAKEN PART WITH A CATCHMENT BASIN-PLAN FOR THE MANAGEMENT OF WATER RESOURCE OF PIAVE RIVER

<u>2001</u>



Nervesa della Battaglia outlet section Comparison between availability and water demand in Piave basin



Minor storage through maintenance of irrigation system and re-conversion

Available storage through gravel quarry





Water balance reconversion through the interventions of basin plan



Gravel quarry - Montebelluna (TV)

Removed gravel Total extraction allowed $\begin{array}{c} 3.000.000 \ m^3 \\ 9.000.000 \ m^3 \end{array}$

The war of the Piave

The 1st war (1918) The 2nd war (2002)



It is not a matter of drinking water

It is an economic problem

The basin plan replies the existing conflict