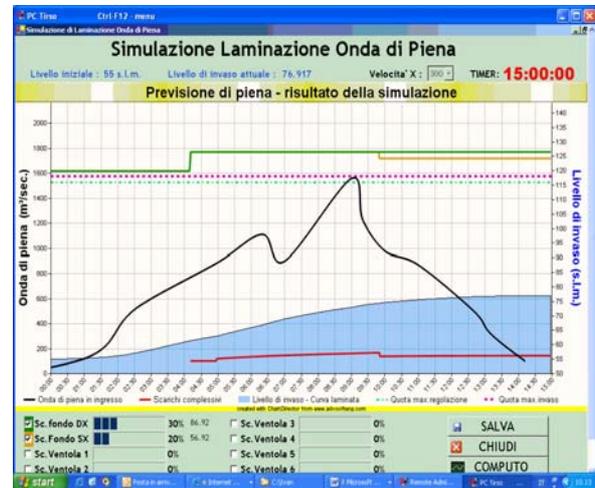


# OVERFLOOD FOR DAM FLOOD WAVE CONTROL



**OverFlood** is a powerful software application specifically developed for flood wave control by automatic operation of the dam outlet works.

Because of the high level calculations required and for security reasons the software runs on a dedicated PC connected on line to a server where two other specific pieces of software – OverDam and SQL DB – are located.

The OverFlood package is made of the three following applications:

1. CCP – Flood Prediction Centre (or CCP 1st phase)
  2. CLP – Flood Control Centre (or CCP 2nd phase)
  3. FloodMan
- 1 CCP Software calculates the flood wave approaching the dam as a function of acquired pluviometric data and interacts with a specifically developed mathematical model, which takes into account essential parameters such as reservoir shape and soil characteristics. The control panel for the CCP process is always activated (for configuration of threshold, rain-meter and alarm parameters),

whereas interrogation of rain-stations takes place at predetermined intervals (e.g. 1 hour). Whenever the rain-meter parameters are exceeded, rainfall data enters the mathematical model, is processed, stored in the database and then displayed as a diagram, flow versus time.

- 2 CLP software is always ready and active to process the flood wave predicted by the CCP. Depending on the type and shape of outlet works, reliable predictions of controlled flood waves can be made. By generating alternative flood wave configurations the software can predict the optimal settings for the dam floodway works in order to offer the engineer viable options for flood control.
- 3 FloodMan Software was developed as a training tool to simulate a virtual flood wave to be controlled by opening the outlet works. This exercise for the dam engineer, being off-line, does not take into account such vital parameters as rainfalls, reservoir conditions, outlet works, and the dam's overall conditions. However it does provide excellent practical instruction in flood control in a safe environment.

Before attempting to install the software please ensure your equipment meets the minimum system requirements

### MINIMUM SYSTEM REQUIREMENTS

OVERFLOOD	
Processor	Pentium IV or AMD equivalent
Operating System (Microsoft)	Windows 2000, NT, XP Professional SP2
RAM	512 Mb

*Agisco reserve the right to change their products and specifications without notice*

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