

Dear all,

as mentioned during our yesterday's meeting, please find enclosed the following pictures, explaining the high discharge peak registered in the Tordino river on Dec 7th 2002:

- 1st page map: synoptic condition on 7th Dec 2002: the green circle in south Italy is a deep cyclogenesis developed in the Ionian Sea. This configuration is typical of severe weather events over the Central Adriatic Sea and eastern slope of Abruzzo. Most floodings affecting coastal areas are connected with this particular configuration, which is well-known as "Ionian Low" among forecasters;
- 2nd page map: this is the accumulated precipitation during the flood event, estimated by satellite. Please note as we have a heavy convective precipitation core in the Adriatic sea, which touches lightly the Tordino river final path. The estimated precipitation values over that area are approximately 180-200 mm, therefore the 20 m³/s found in the timeseries peak is coherent.

Do not hesitate to ask for any doubt