



The climate in the Venetian and North Adriatic region: variability, trends and change

workshop

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TOPIC T4. Storminess, waves and storm surge

Some remarks on the frequency of surges at Venice and on the effect of flooding

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Short abstract:

Surgeiness helping storminess: considering the statistics of floods in Venice, periods are observed that should some way match the frequency of storms. Moreover, surges are deviations from ordinary tide, and a varying mean sea level can make fuzzy the above definition: a discussion is suggested to clarify the concepts. Moreover, Adriatic surges have a memory, the 'seiches': the sea has in fact a continuous 'noise' due to the past storms that can be used as a climatic indicator.