



## **The Chilean tsunami of 16 September 2015: operational aspects and tsunami warning process in French Polynesia.**

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The earthquake of magnitude  $M_w = 8.3$  of 16 September 2015 generated a moderate tsunami in far field that concerned the French Polynesia, with measured tsunami amplitudes until 2.90 m peak-to-through in Marquesas island.

We will describe the tsunami warning process that was triggered by this event: the seismic source estimation using two independent methods, and the numerical modeling of the tsunami that was run in real time, the timing of the different processes and actions that were taken in cooperation with Civil Defense.

We will present also the comparison between numerical modeling and observed records of the tsunami.