Experimental modelling of tsunamis generated by volcanic eruptions













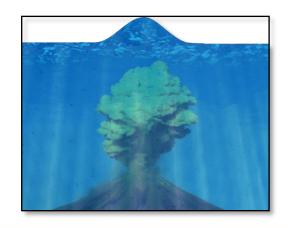
What are volcanic tsunamis?



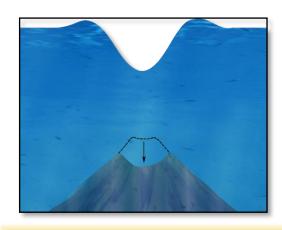
What are volcanic tsunamis?



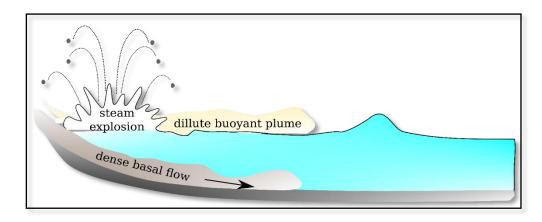
Source mechanisms



Underwater eruptions



Caldera collapse



Pyroclastic flows



 ${\sf James\,Reynolds,\,@EarthUncutTV,\,https://twitter.com/EarthUncutTV}$

Flank failure

Pyroclastic flows

Krakatau 1883



Library of Congress, https://allthatsinteresting.com/krakatoa-eruption

Pyroclastic flows

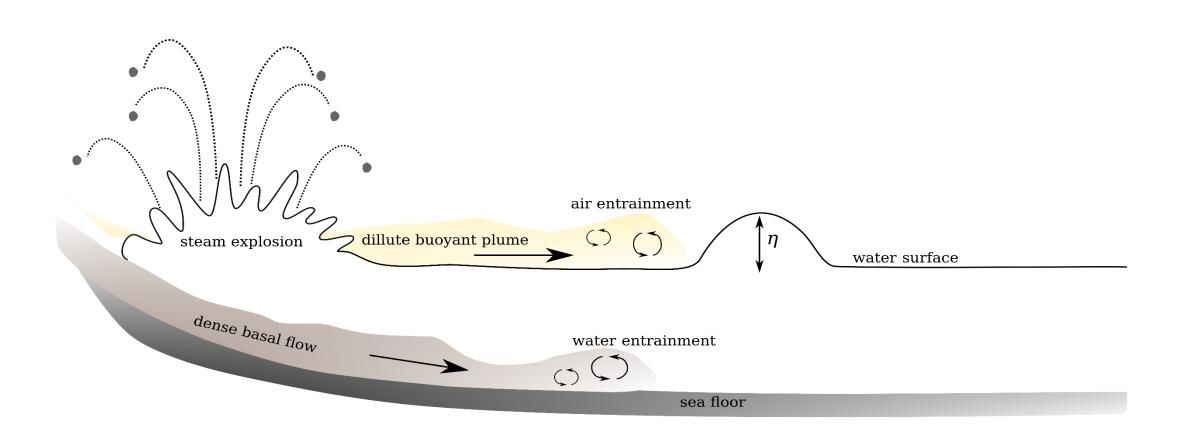
Montserrat 1997 & 2003

Krakatau 1883



 $Library \ of \ Congress, \ https://all that sinteresting.com/krakatoa-eruption$

Experimental modeling of the entrance of pyroclastic flows into water







Thank you

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