

LadHyX Seminar – December 9, 11:00, Amphi Gregory and Zoom

Sylvain Viroulet
(CNRS/IMFT)

Generation of impulse waves by subaerial landslides

Since the early 2000's the number of studies on tsunamis generated by landslides have drastically increased, considering plenty of different configurations to model the slide in order to better understand the mechanisms at work during the generation and predict the subsequent waves. However, despite all these studies most of the predictive equations are only based on empirical fit from the different experiments and the physical processes occurring during the generation, although mainly identified, are still far from being predictable for a given configuration.

In this presentation I will show new (some still in progress) configurations and results on waves generated by landslides from small scale laboratory experiments to field scale numerical simulations.