

Ad-hoc estimation of landslide-generated impulse waves – from the lab to the field

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Short Presentation

EGU 2020 – NH5.1 Tsunamis

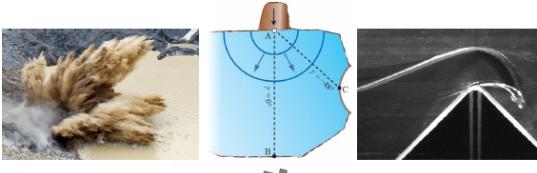
Update: Landslide-generated Impulse Waves in Reservoirs

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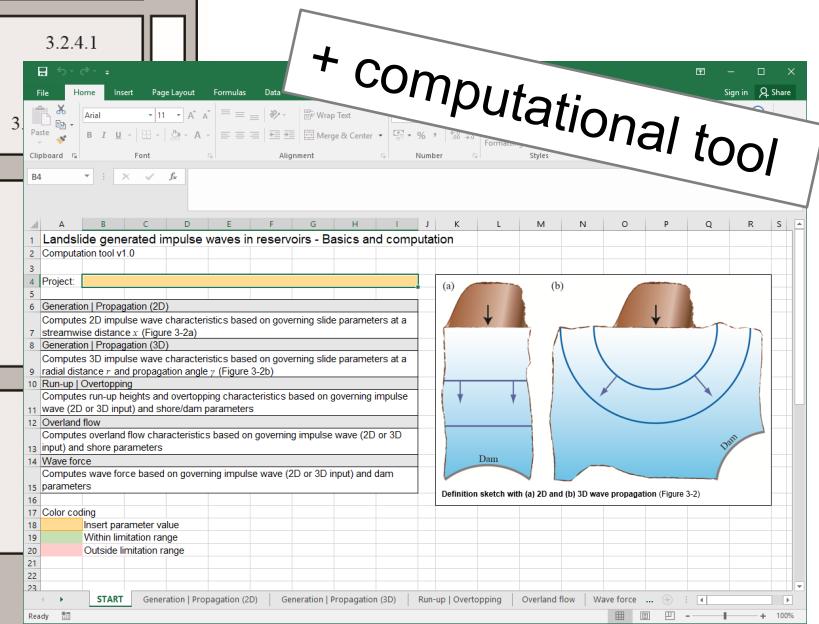
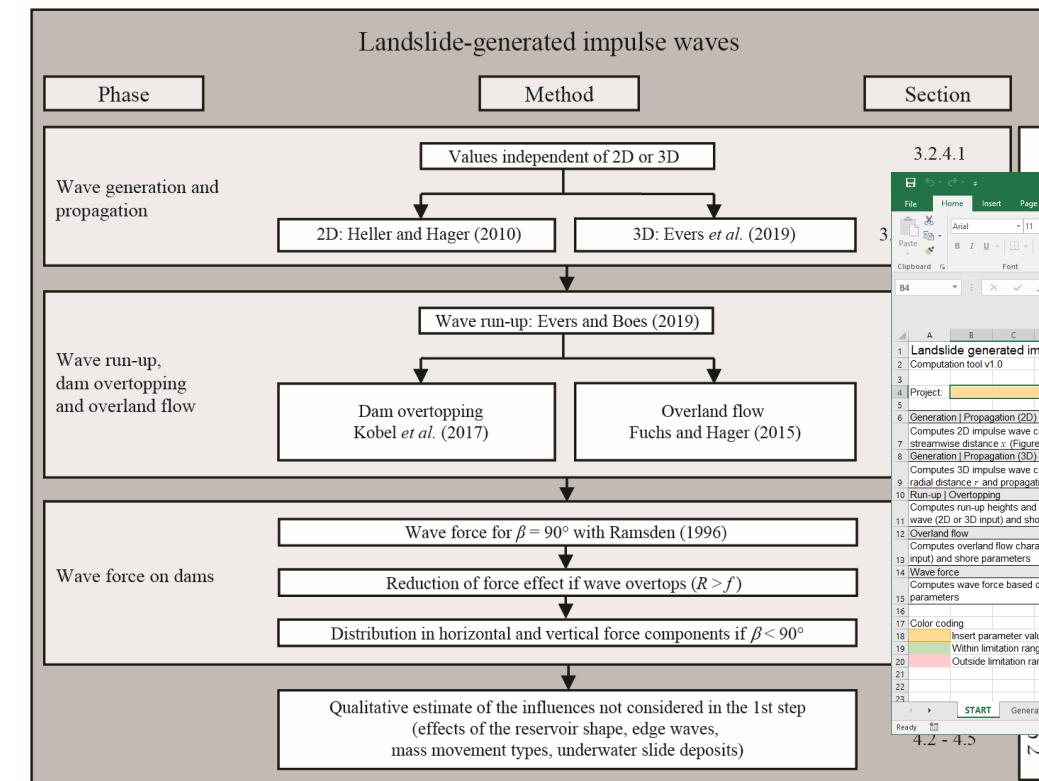
Landslide-generated Impulse Waves in Reservoirs

Basics and Computation



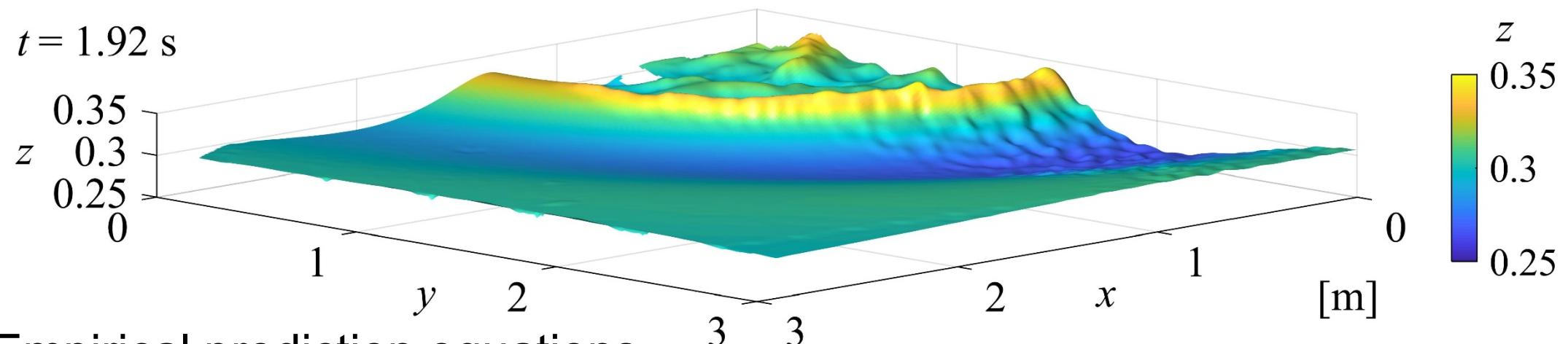
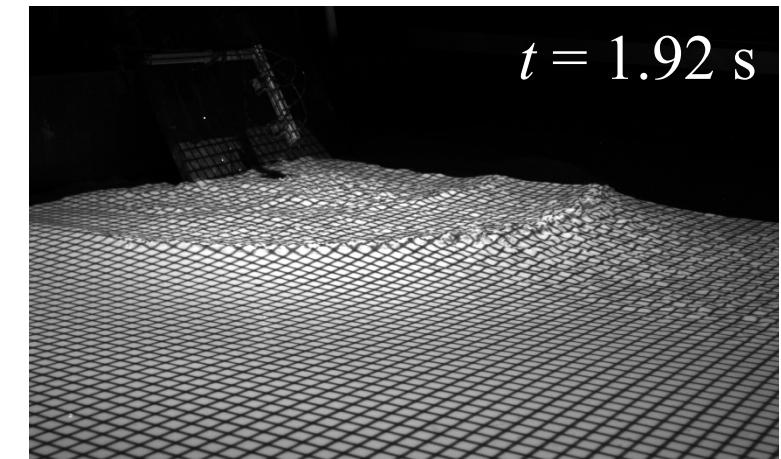
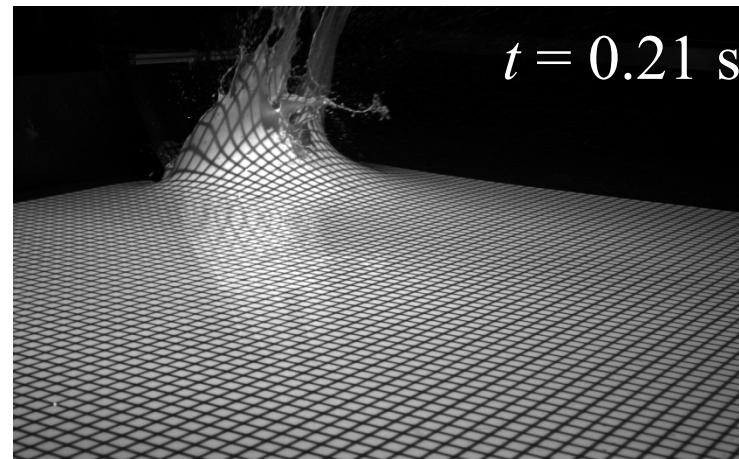
2nd Edition, 2019

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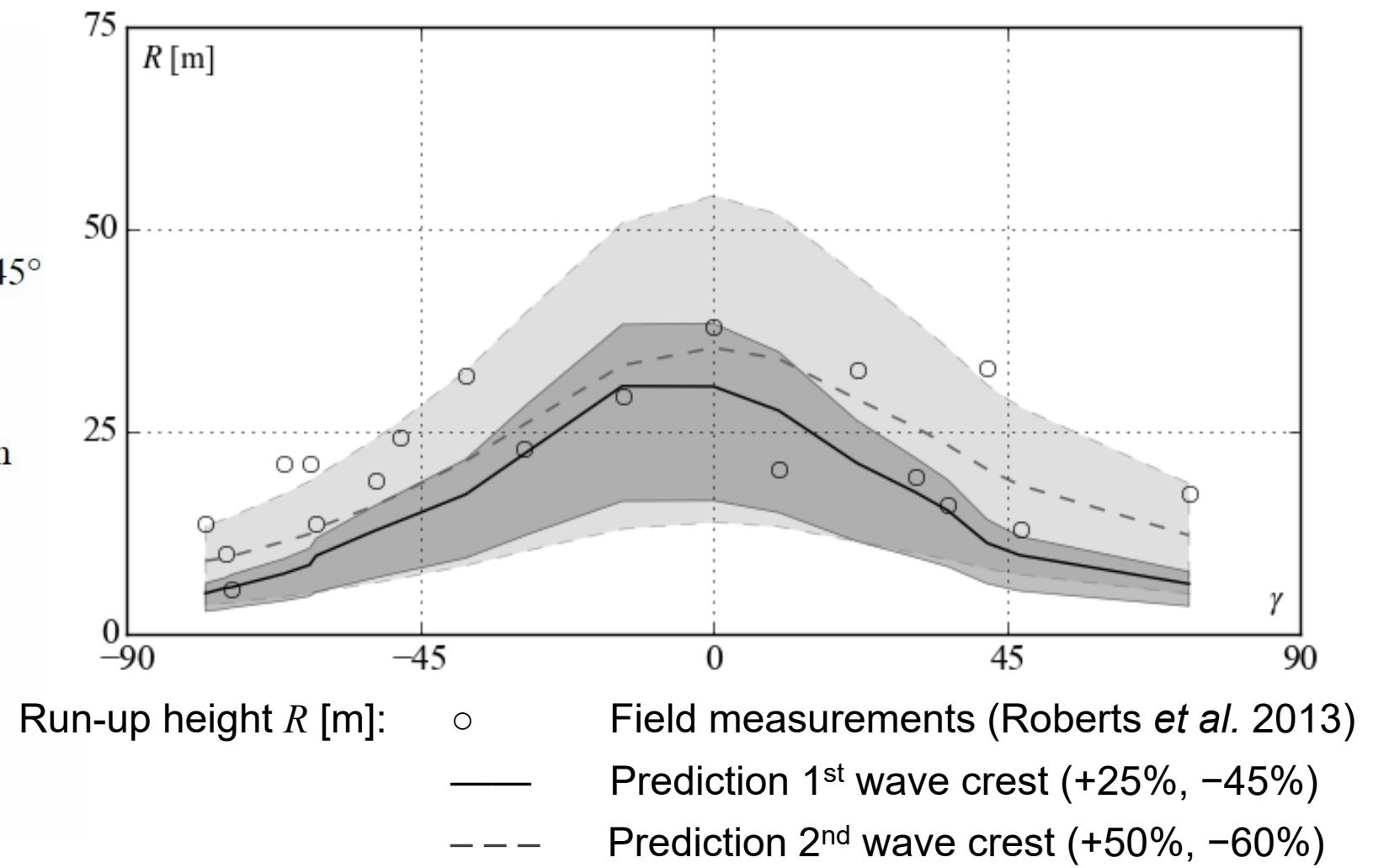
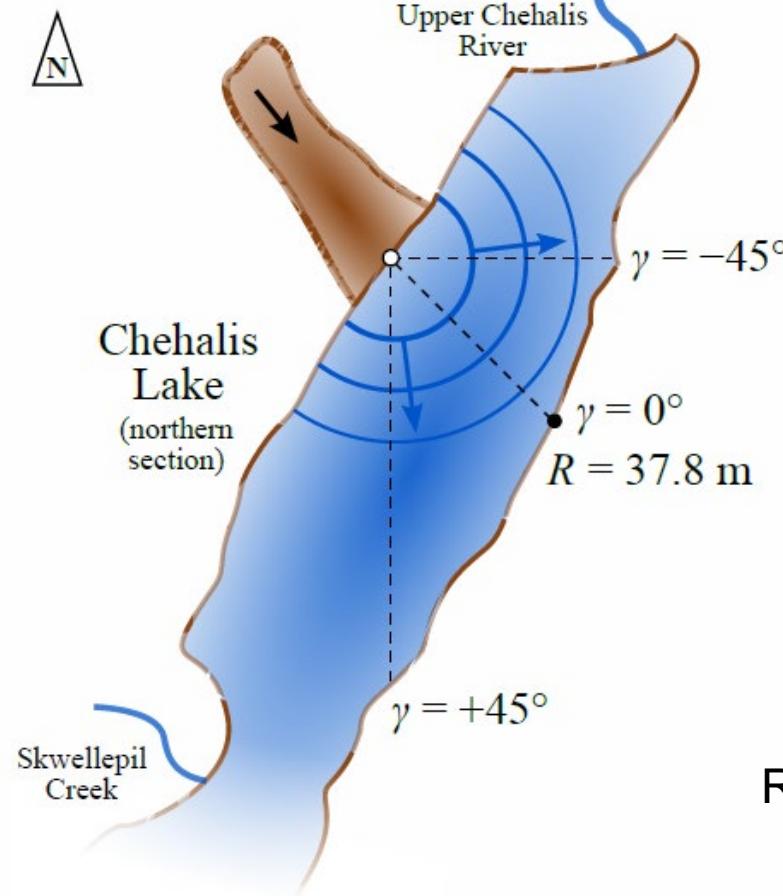
→ Computational procedure based on lab experiments to estimate landslide-generated impulse waves

Lab experiments: 3D impulse wave generation and propagation



→ Empirical prediction equations

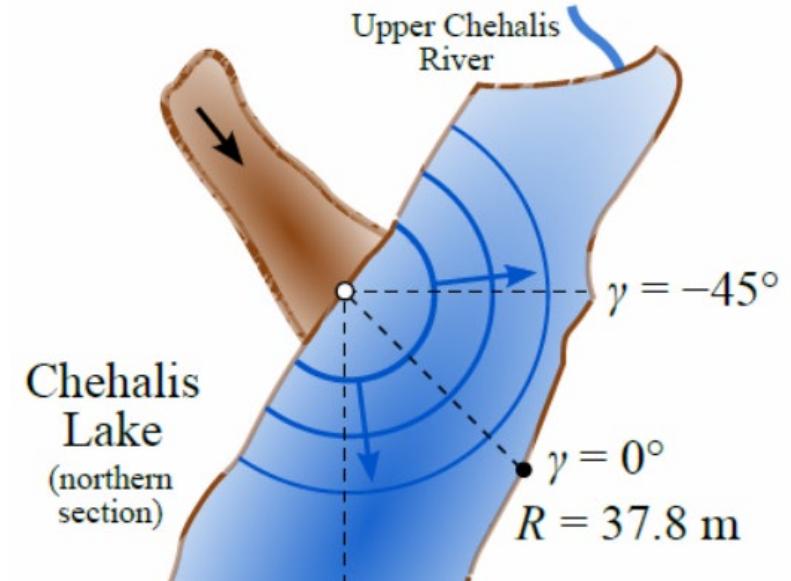
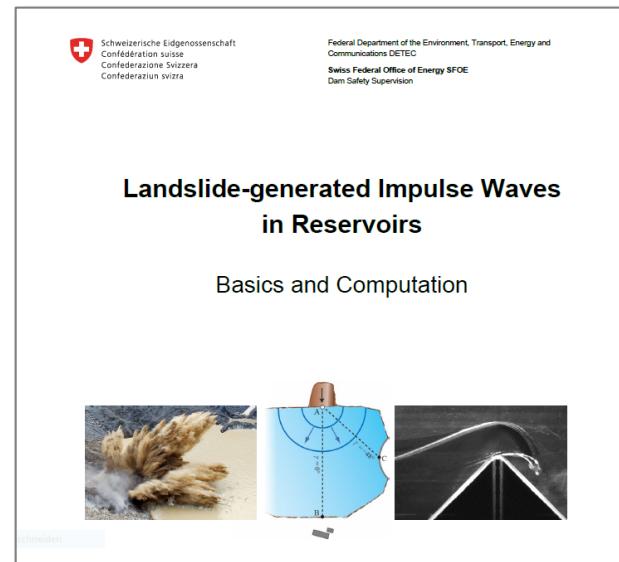
Case study: Chehalis Lake, Canada (2007) – Impulse wave run-up



References

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