Review of: Lituya Bay 1958 Tsunami – detailed pre-event bathymetry reconstruction and 3D-numerical modelling utilizing the CFD software Flow-3D

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Overview

This paper deals with the simulation of a subaerial rockslide impacting a waterbody with the software Flow-3D and its application to simulation of the the Lituya Bay 1958 tsunami.

First, authors tackle the problem with a simplified 3D-model of the impact area (Gilbert inlet) and later, authors consider real topo-bathymetric data and the model is also enlarged to simulate the whole flooded area and the measured trimline provided by Miller, 1960. In the complete case, authors use different cell sizes and different friction coefficient for the topography in order to simulate the complete scenario.

Overall Recommendation

My recommendation is: Accept

Final comments

After my initial review and having examined the authors answers and the final version of the manuscript I think the paper has been significantly improved and in my view is suitable for this journal.