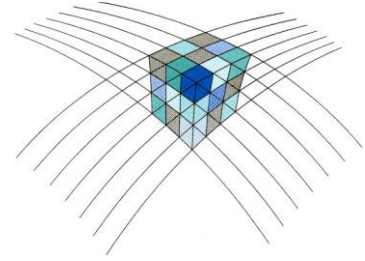


# NCG



Netherlands Center for Geodesy and Geo-informatics

## Abstract submission for the NCG Symposium 2020

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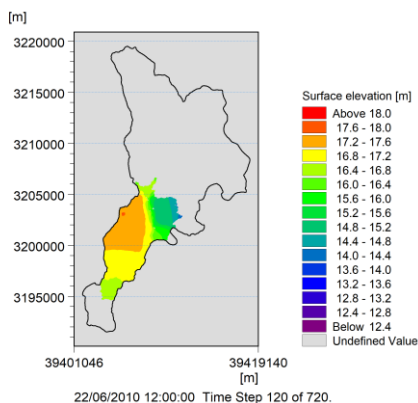
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Presentation title: Flood risk evaluation using a point cloud database

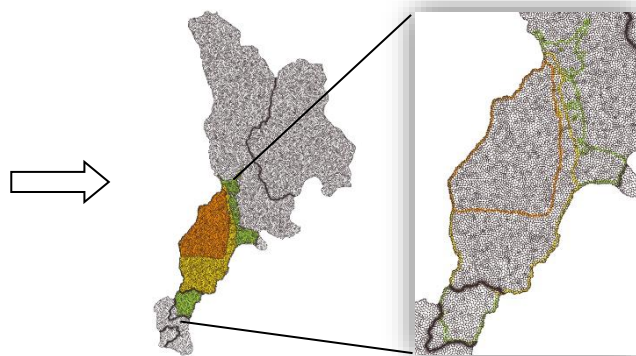
Demo: no

Abstract (~100 words and optionally 1-2 figures):

Flood risk mapping projects generate huge amount of modelling data to assess the flood risk. Previously, data backed up are high intellectual products such as typical flood inundation maps and tables for loss analysis. Original modelling data recording critical flood evolution processes are left out due to limited processing power. Recent development of point clouds provides the opportunity to manage the whole set of modelling data in databases. Besides, the point cloud databases can fully support the flood analysis at finer scales. Using a case study from China, this research demonstrates how we can use the novel nD PointCloud framework to improve flood risk analysis.



Flood modelling result



Point cloud selection