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Mitigation Measures for Flooding in Flåm

Amalie H. Daae, Seán Downes, Marthe Thomine Jensen and Emma B. Lorentzen
Dept. of Earth Science, University of Bergen, Norway

This poster discusses different mitigation measures that have been done in Flåm to decrease their exposure due to floods. The area is exposed to flood because it lies in a drainage area, and heavy rainfall often occurs here. High levels of rainfall in Western Norway causes Flåm to be vulnerable to flooding, and this can lead to an impact on environmental, social, and economic conditions in the area. In 2014 Flåm was affected by a 200-year October flood that didn't take any lives, however damages to the infrastructure and environment were severe (Bakke, 2022, s.17-22). Afterwards several different mitigation measures were done, such as: re-building and re-shaping the river, placing boulders strategically to reduce the speed of water, river erosion protectors and tilted fortified bridges. The main focus for the mitigation is the river itself, but other aspects has been taken into account as well, such as the fauna native to the river (Bakke & Verhage, 2022).