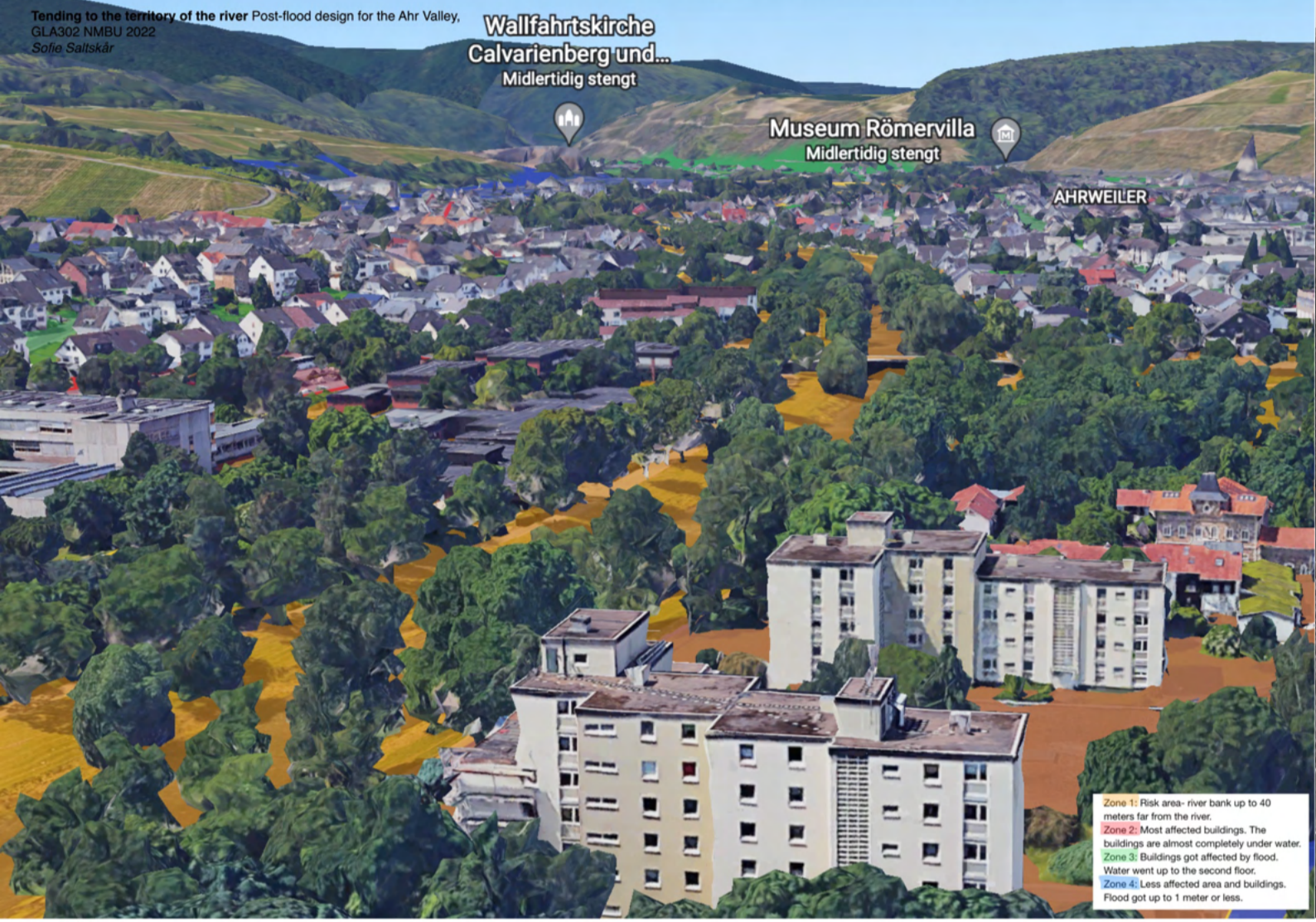




Tending to the territory of the river Post-flood design for the Ahr Valley, GLA302 NMBU 2022
Sofie Saltskär



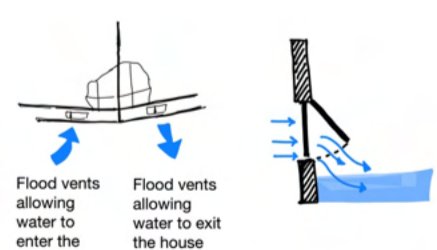
Zone 1: Risk area- river bank up to 40 meters far from the river.
Zone 2: Most affected buildings. The buildings are almost completely under water.
Zone 3: Buildings got affected by flood. Water went up to the second floor.
Zone 4: Less affected area and buildings. Flood got up to 1 meter or less.

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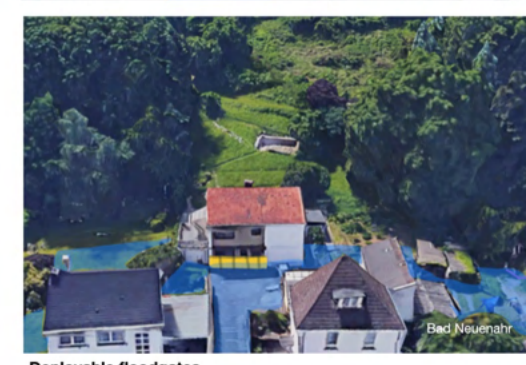
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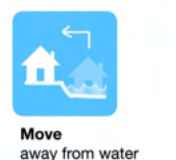
Toolkit List: Structural Strategies



- Riverine Barriers**
 - Floodwalls
 - Bulkheads
 - Berms and Leves
 - Deployable Floodgates
- Elevation**
 - Raise Land
 - Create Redundant Emergency Routes
 - Raise Critical Systems
 - Elevate Structures Above Water Level
- Floodproofing**
 - Fill Levels Below HQ100
 - Waterproof Levels Below The Water
 - Dry Proof Levels Below



Deployable floodgates
 Floodgates that are mobile elements, integrated into static flood barriers, that are closed during flood events to fill gaps in protection and prevent floodwater intrusion.



Bad Neuenahr