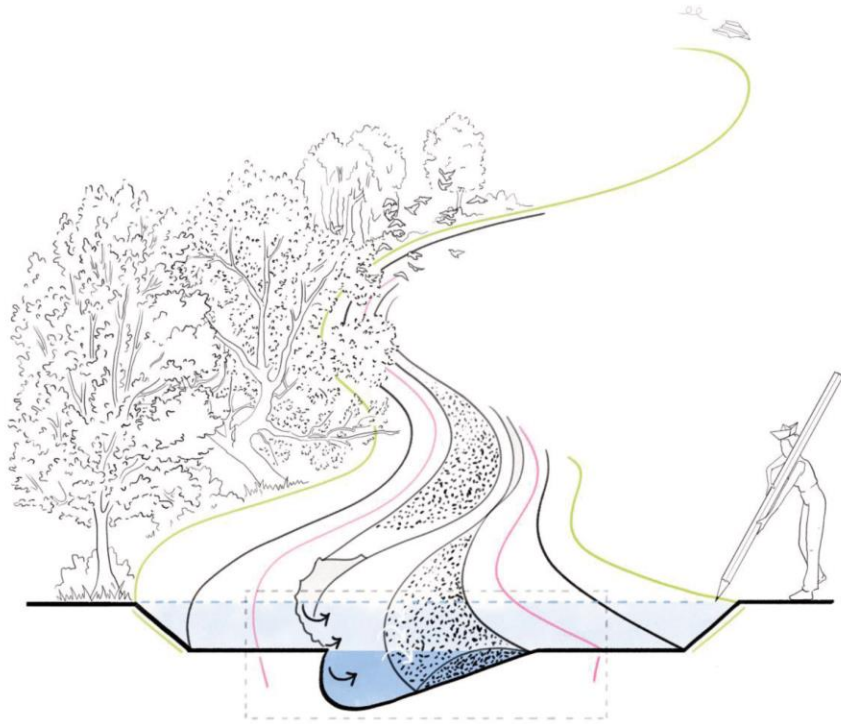
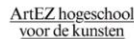


XI International Summer School on Rhine-Rivers

August and September 2024 | Technical University of Darmstadt



Creating River_Space



Ahr's Ribbon of Resilience

Group 8

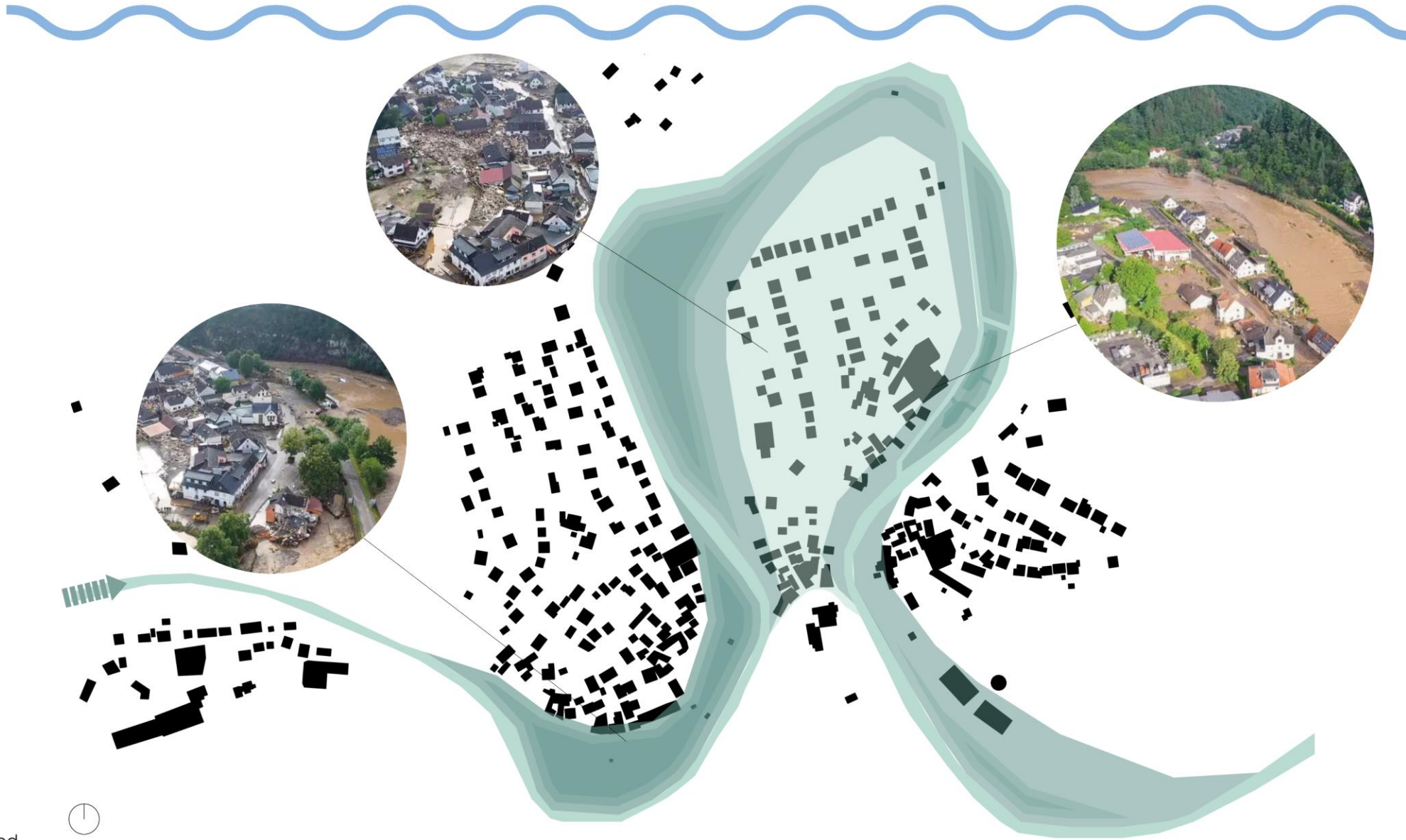


CREUSOT Amandine
GEORGI Klara
GOARNISSON Mathilde
VERONESE Giulia
WÖGER Alexandra

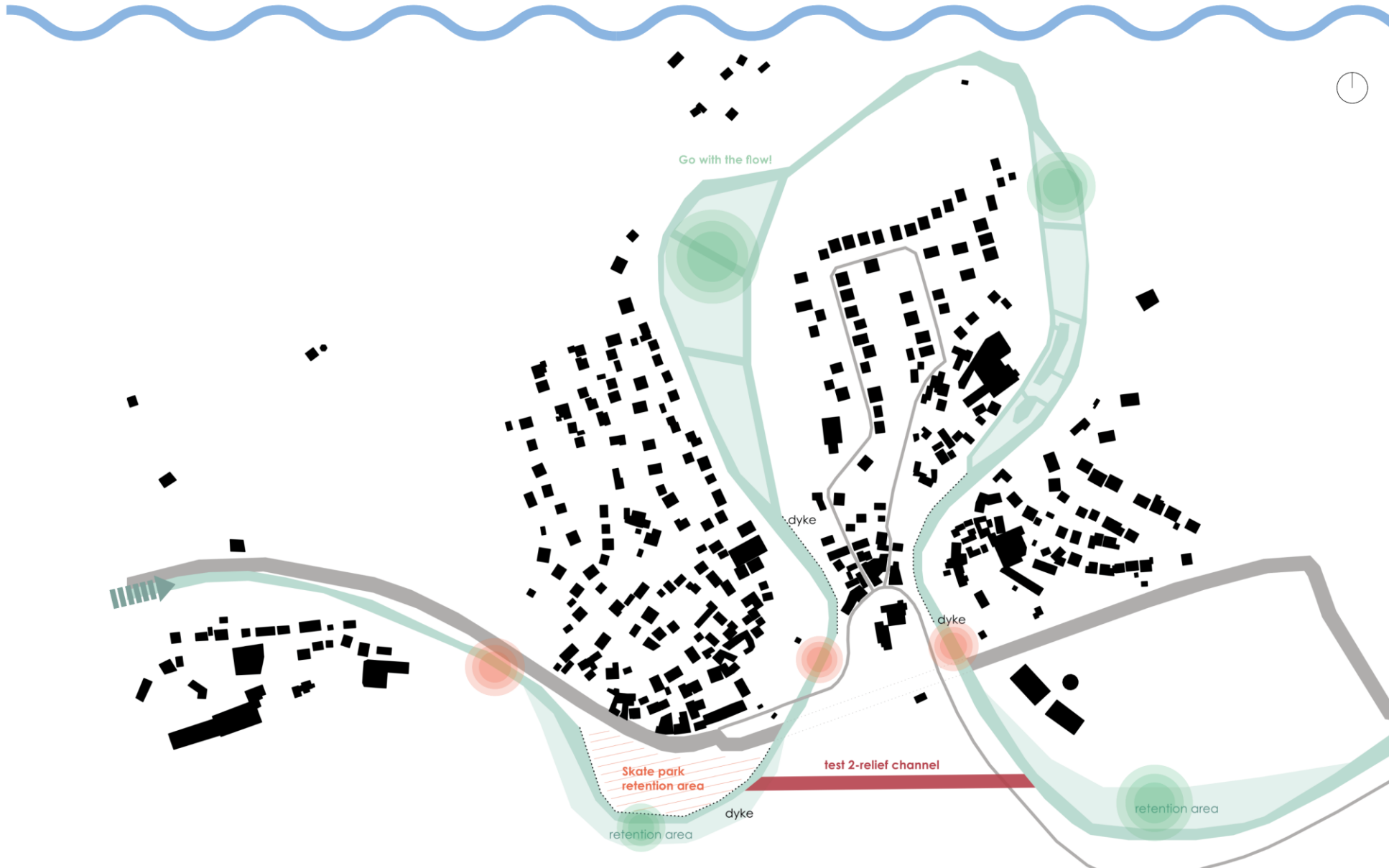
Ahr's Ribbon of Resilience
Group 8



location
Ahrtal, Germany
Schuld, Rheinland-Pfalz



Flood areas during the catastrophe 2021
The city center was completely destroyed



 Slow the flow!

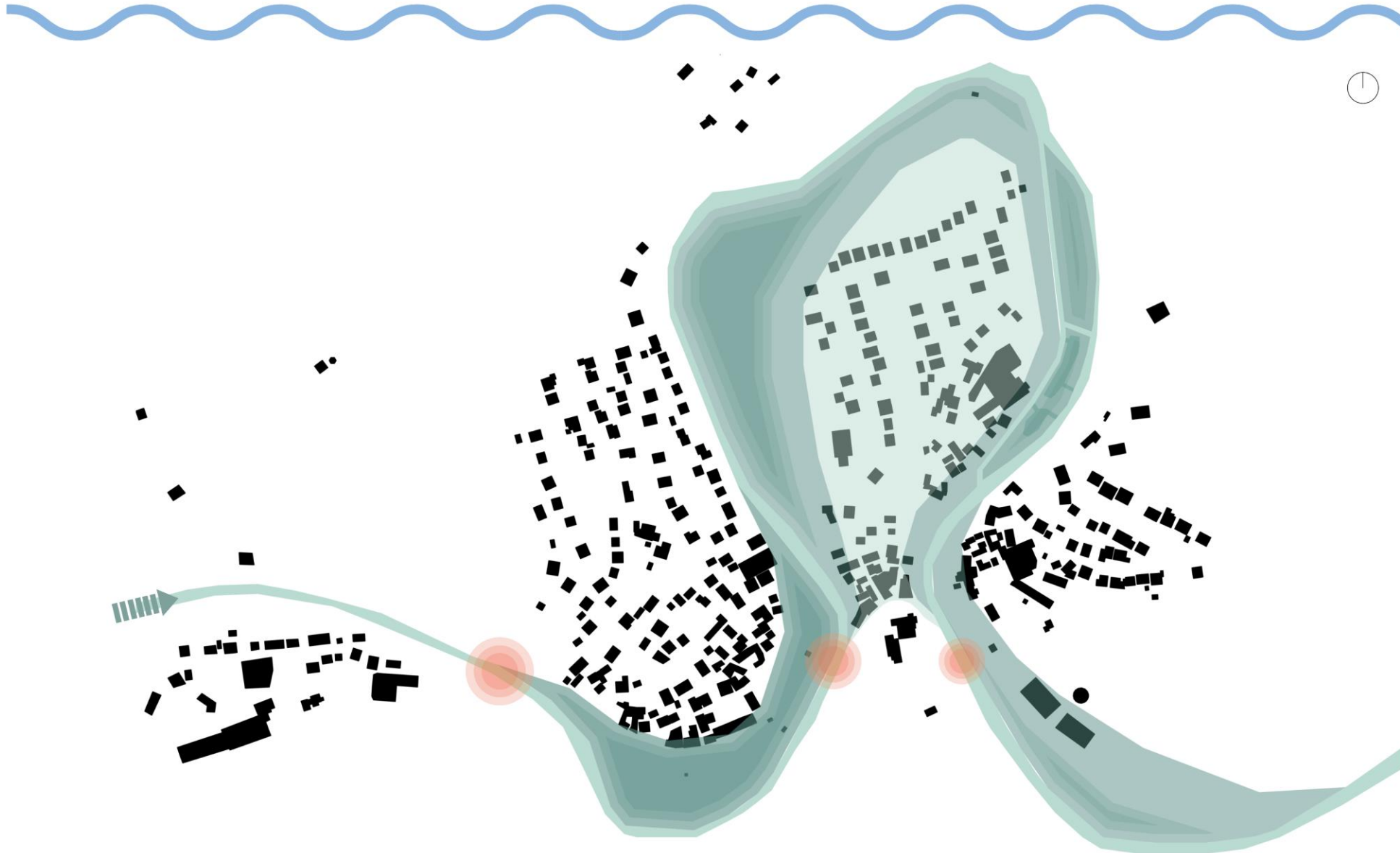
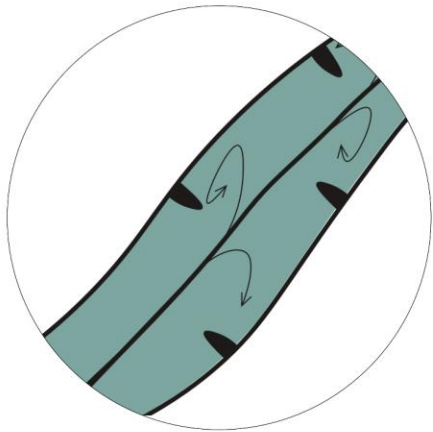
 Go with the flow!

Our vision - ready for the test!

Ahr's Ribbon of Resilience
Group 8

First measure

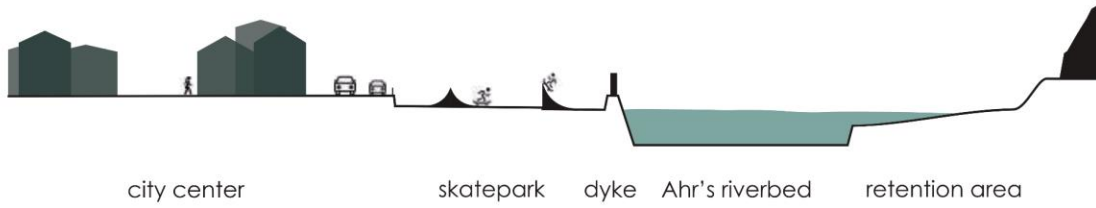
- **extend the embankments** in this area, to **slow the water down** before entering the town



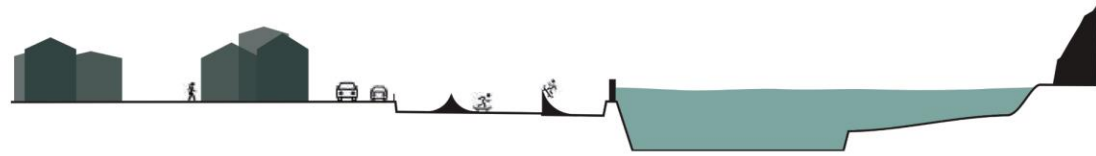
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Low water-level

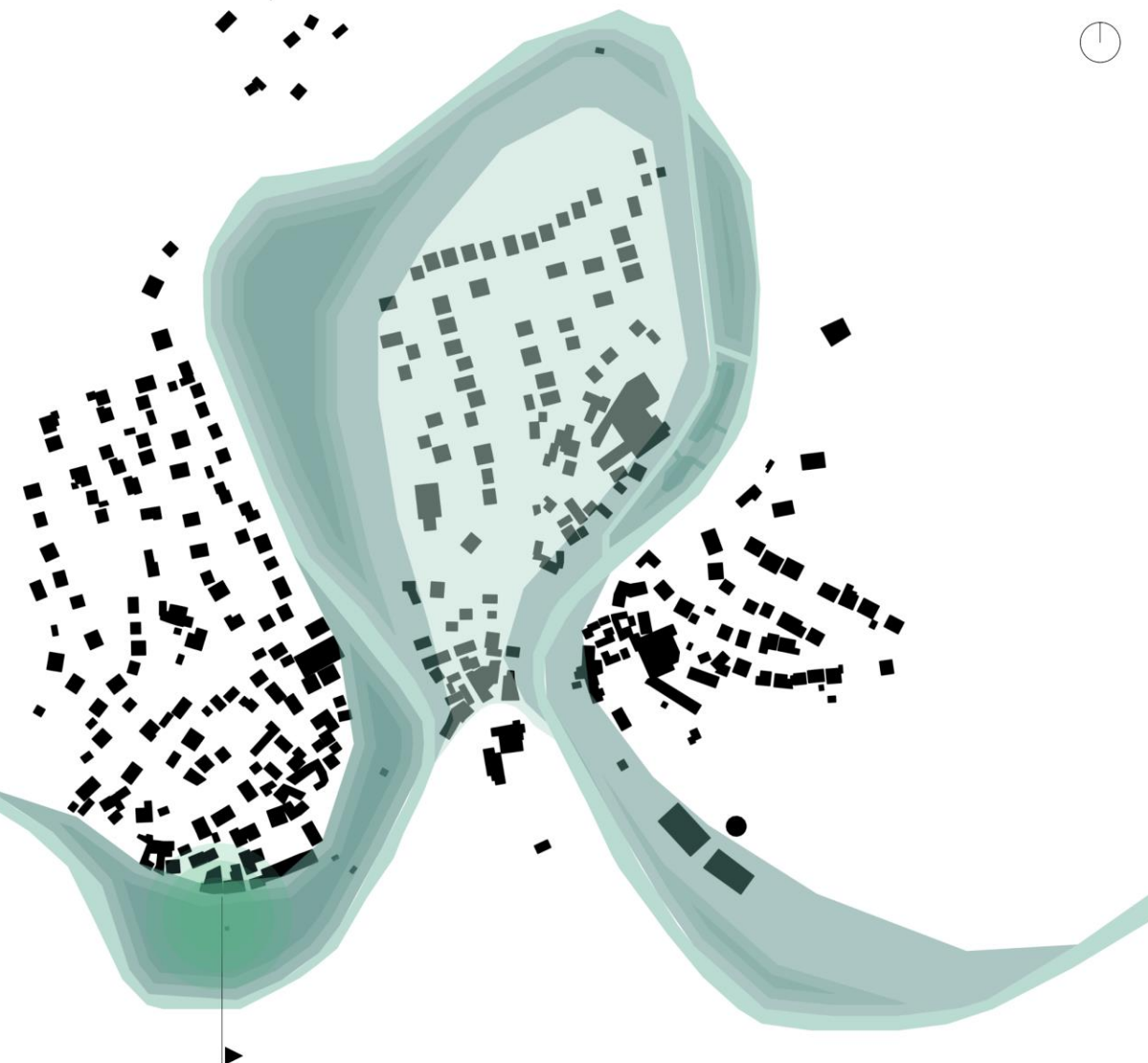


Flood situation



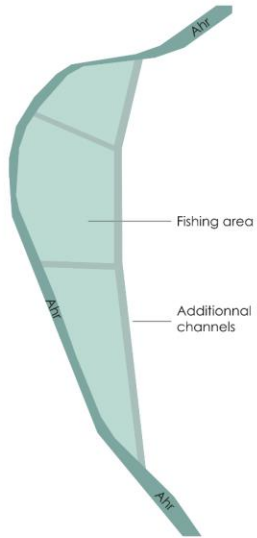
Second measure

- adding **retention areas** beside the riverbed
- building a **dyke** along the riverside
- create a new **skatepark** which functions as **retention areas** during flood
- **extended embankments** again before the river curve

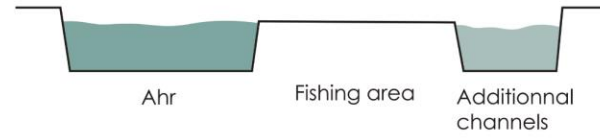


Ahr's Ribbon of Resilience

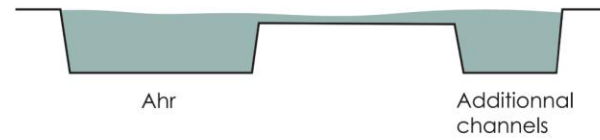
Group 8



Low water-level

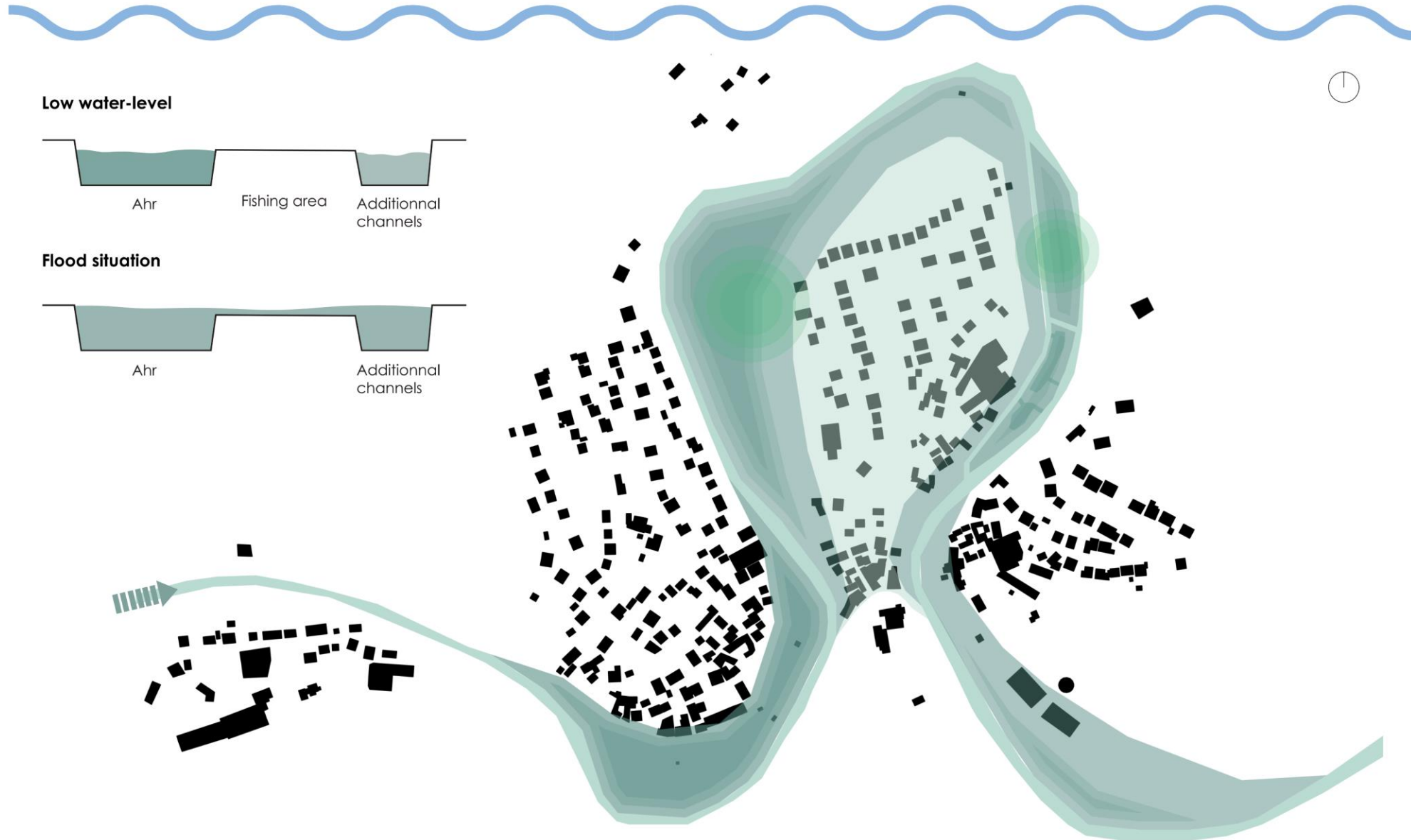


Flood situation



Third measure

- creating **new channels**
- natural reserve in between on the new islands
- The existing fishing area in the east of the town is based on the same concept and can be used again after the flood

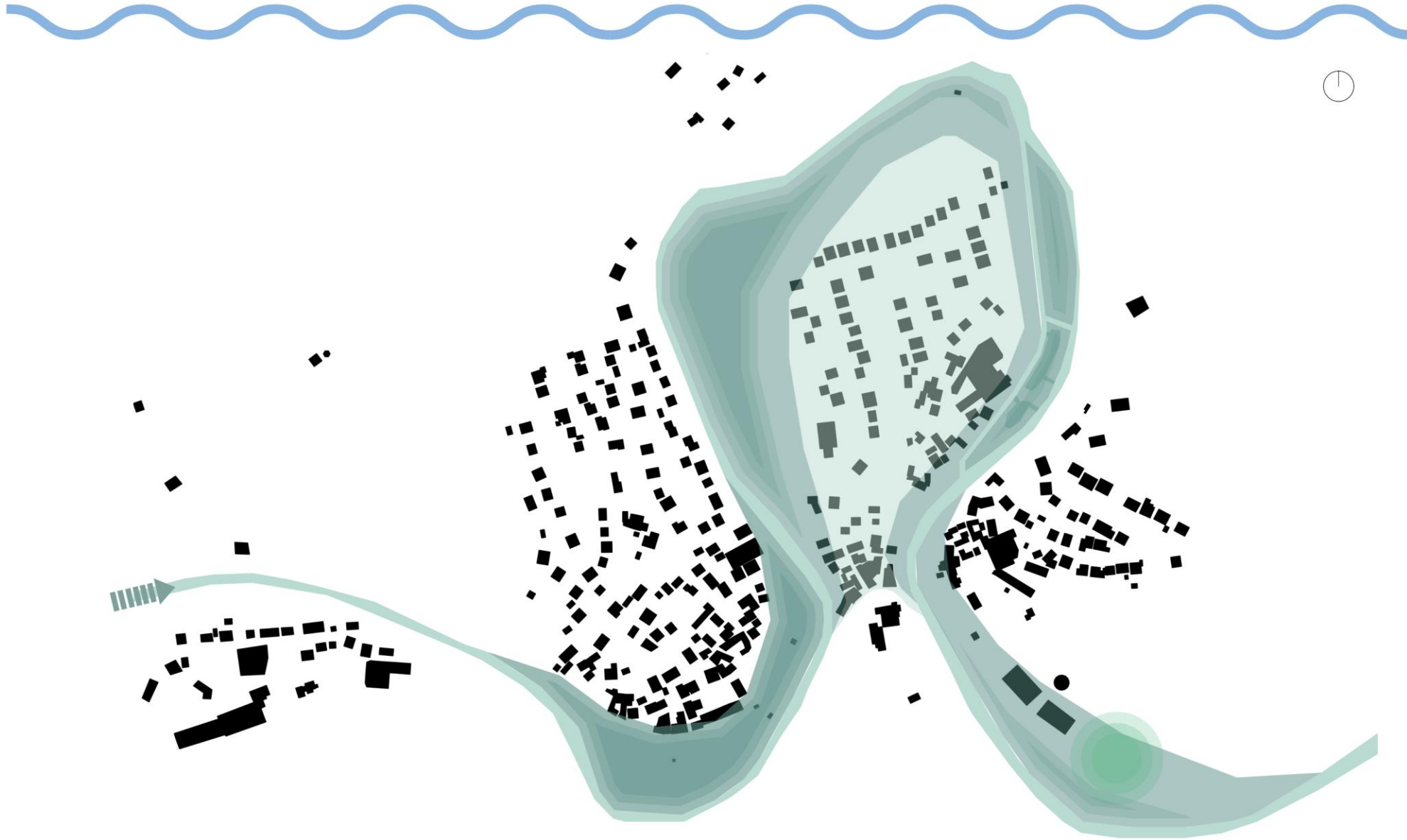


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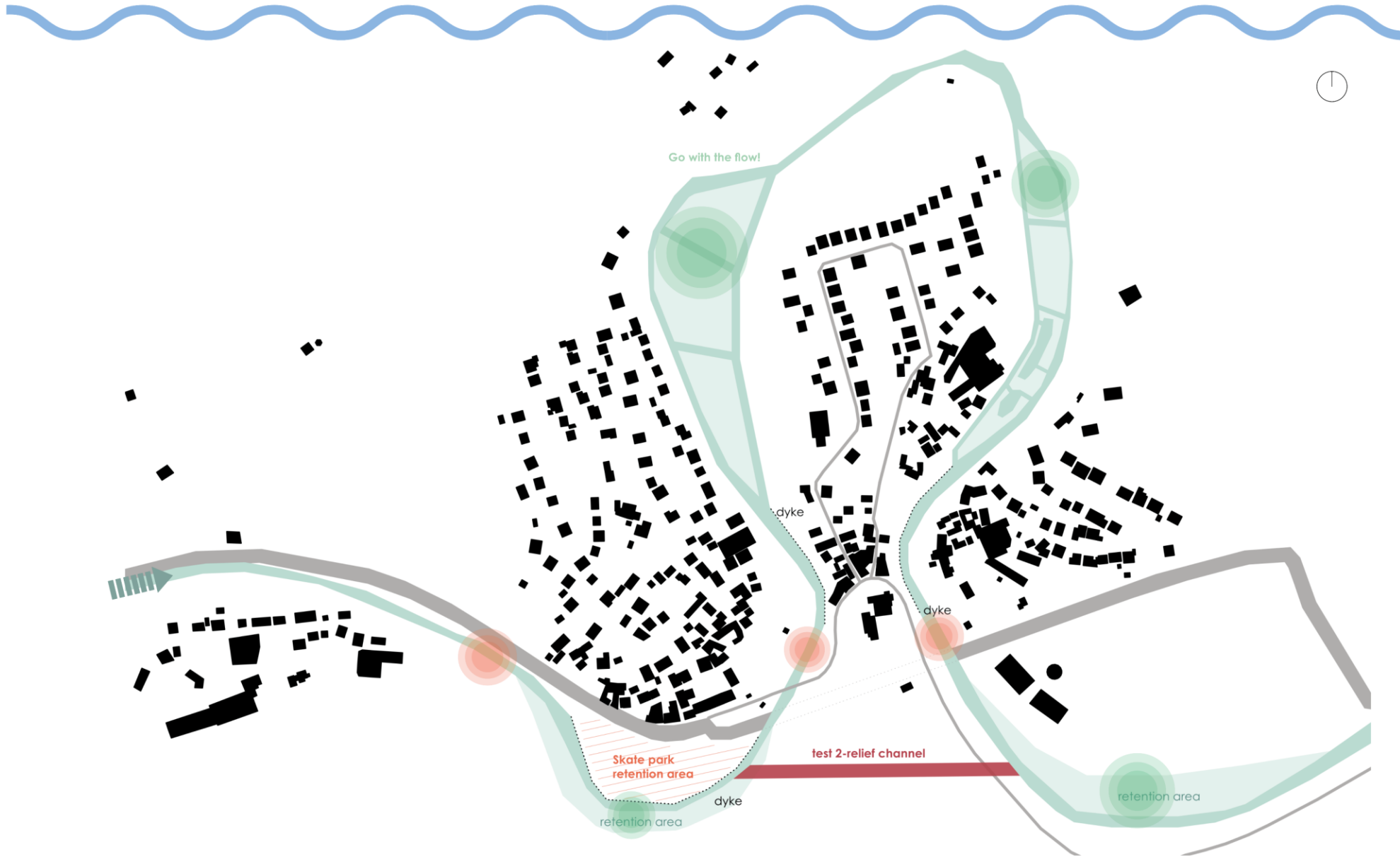
Last measure

- **extend the embankments** in this area, to slow the water down
- Adding **retention areas** beside the riverbed





Watch our test in the Hydro Lab!



Slow the flow!

Go with the flow!

conclusion