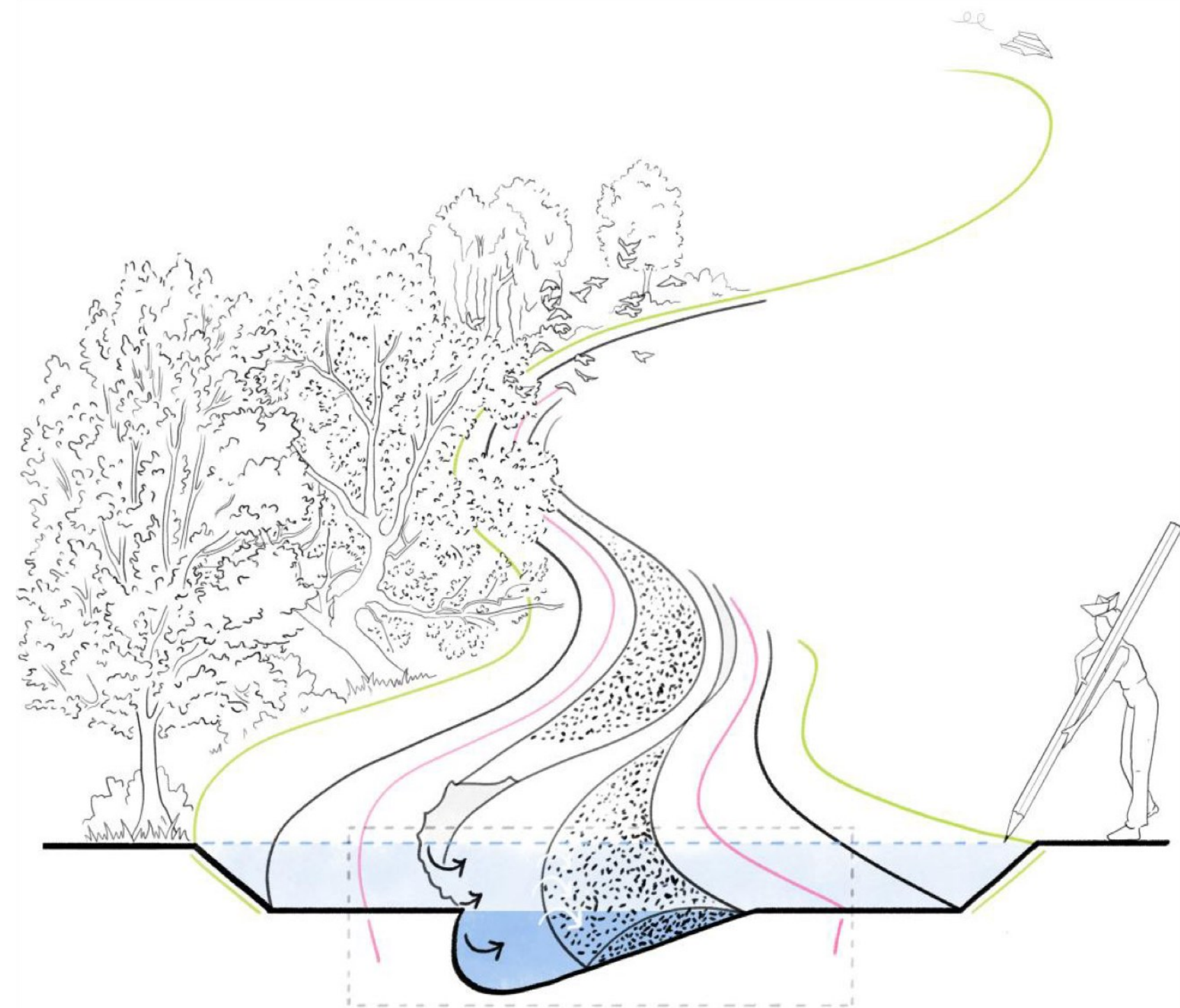


# XI International Summer School on Rhine-Rivers

August and September 2024 | Technical University of Darmstadt



Creating River\_Space

## SLOW FLOW, WILD GROW

-Reviving river biodiversity-

Group 2

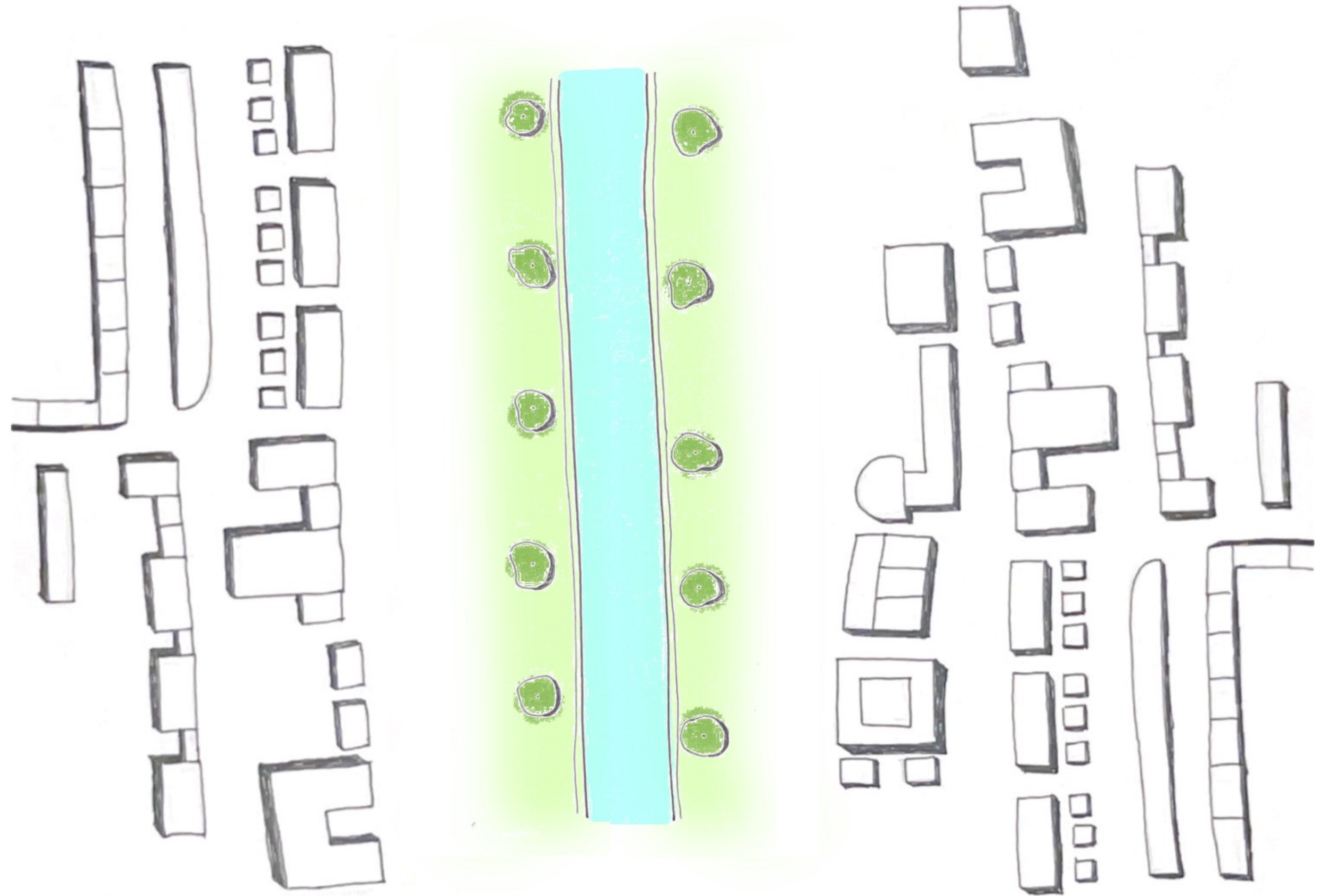
Tizian Landt  
Paula Karcher  
Isabela Cardona  
Yerin Park  
Giulia Ascenzo  
Emile Bojadzic  
Lucas van Hulzen

# THE FAST FLOW PROBLEMATIC



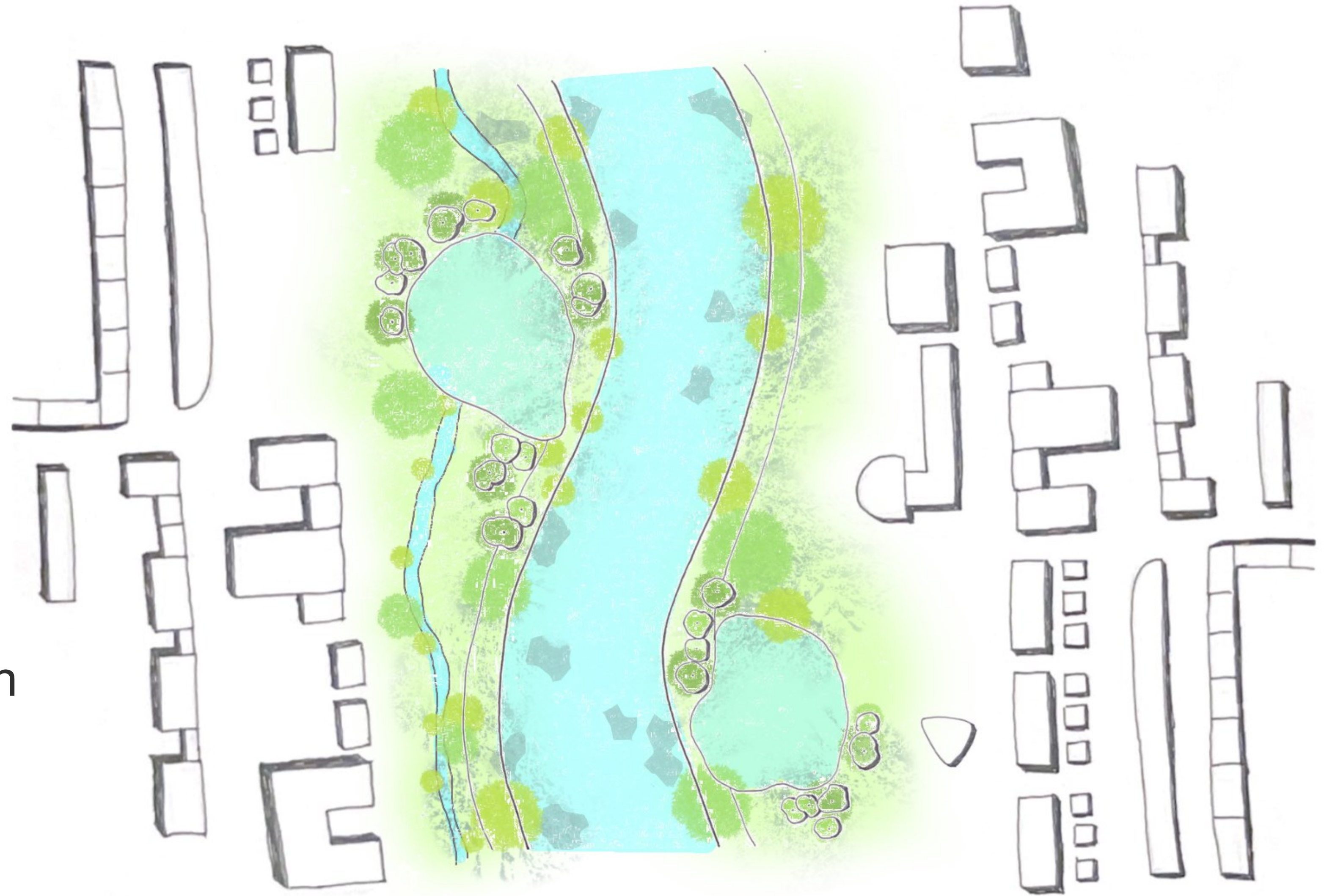
# THE FAST FLOW PROBLEMATIC

- Narrow and deep canals
- Less habitat for species and vegetation
- Lack of natural filtration processes
- Reduced groundwater recharge
- Flooding risks (if infrastructure fails)



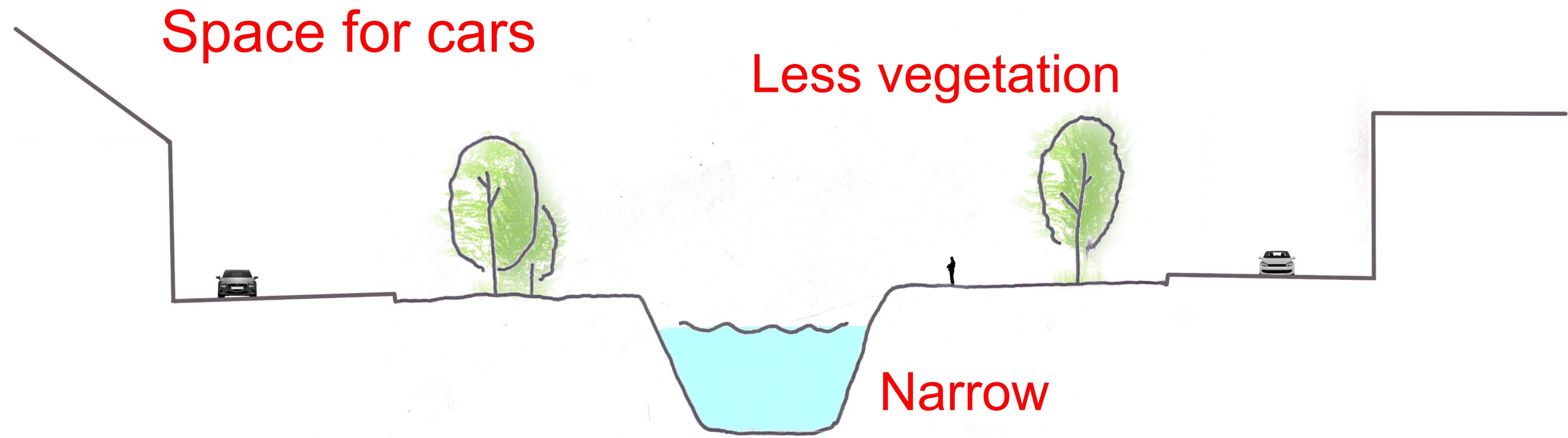
# STRATEGIES TO SLOW THE FLOW

- Expansion of river area (wider and shallower)
- Disperse water flow (rocks, vegetation, changes in topography)
- Canals and ponds to contain floods

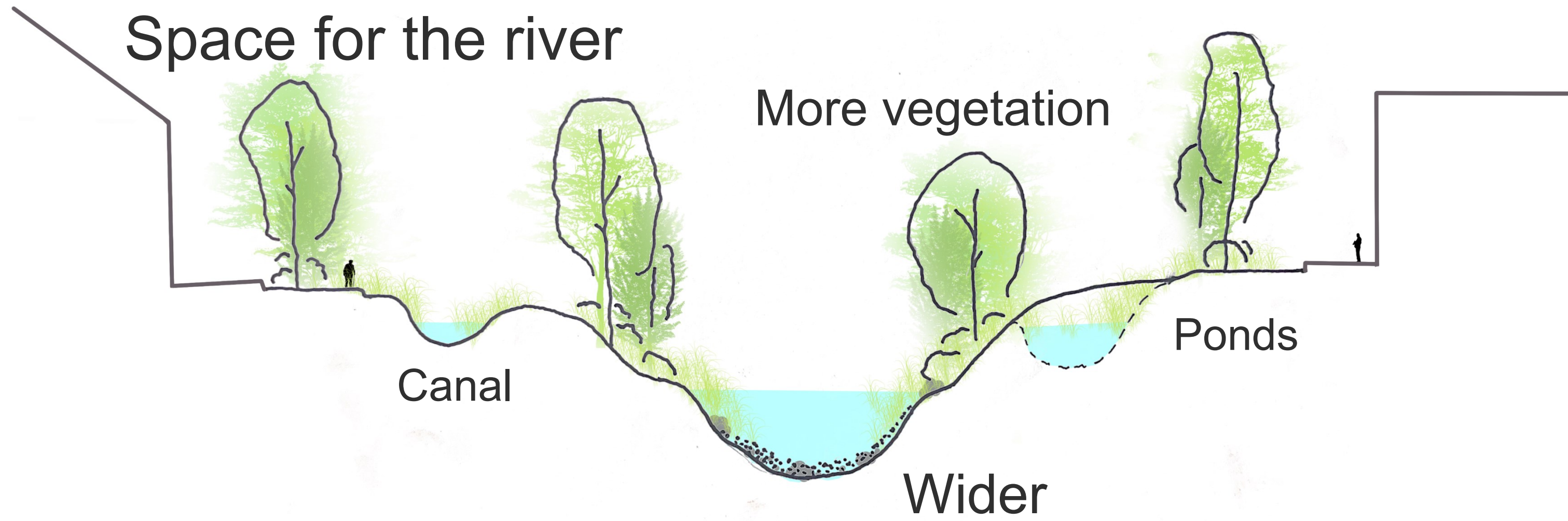




# FAST FLOW



# SLOW FLOW



# WILD GROW - VEGETATION

# SOIL



**BALD CYPRESS**

Retains a lot of water and soil water

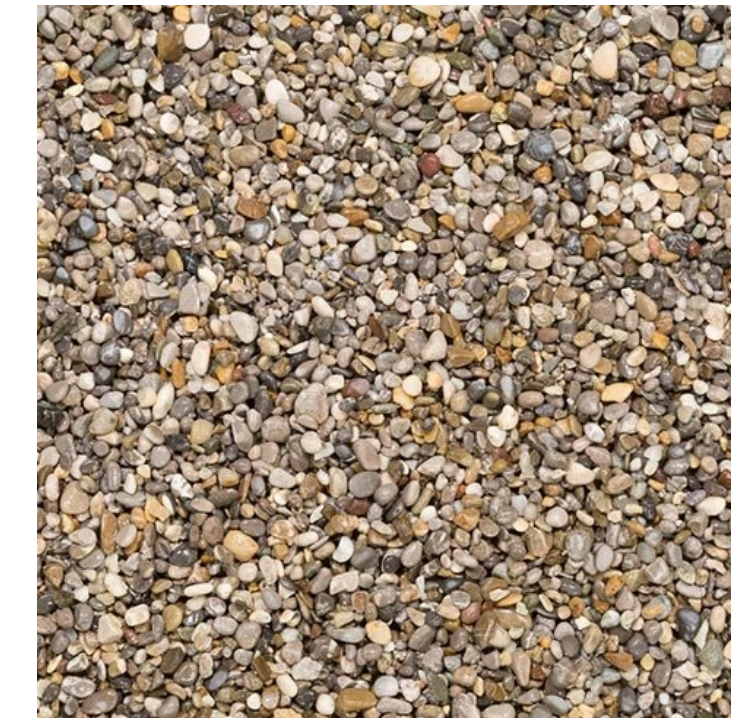


**SWAMP OAK**

Similar to bald cypress in it's purpose.



**GRASS**



**GRAVEL**



**DOWNY BIRCH**

Takes a lot of water and turns it into sap. The sap is also drinkable and is said to have health benefits.



**VIBURNUM**



**SAND**

Soils that absorb water very well.

# THE MODEL...



**SLOW FLOW, WILD GROW**

Group 2





**SLOW FLOW, WILD GROW**  
Group 2



**SLOW FLOW, WILD GROW**

Group 2



# CONCLUSION

