

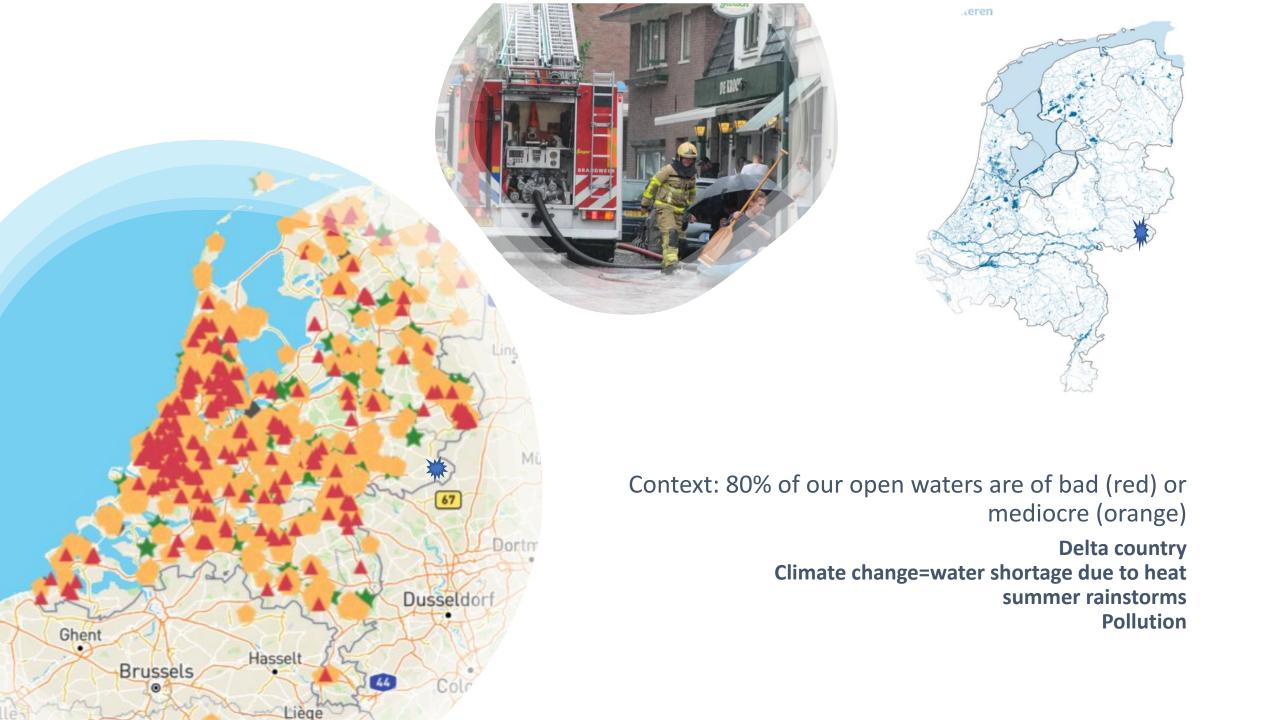


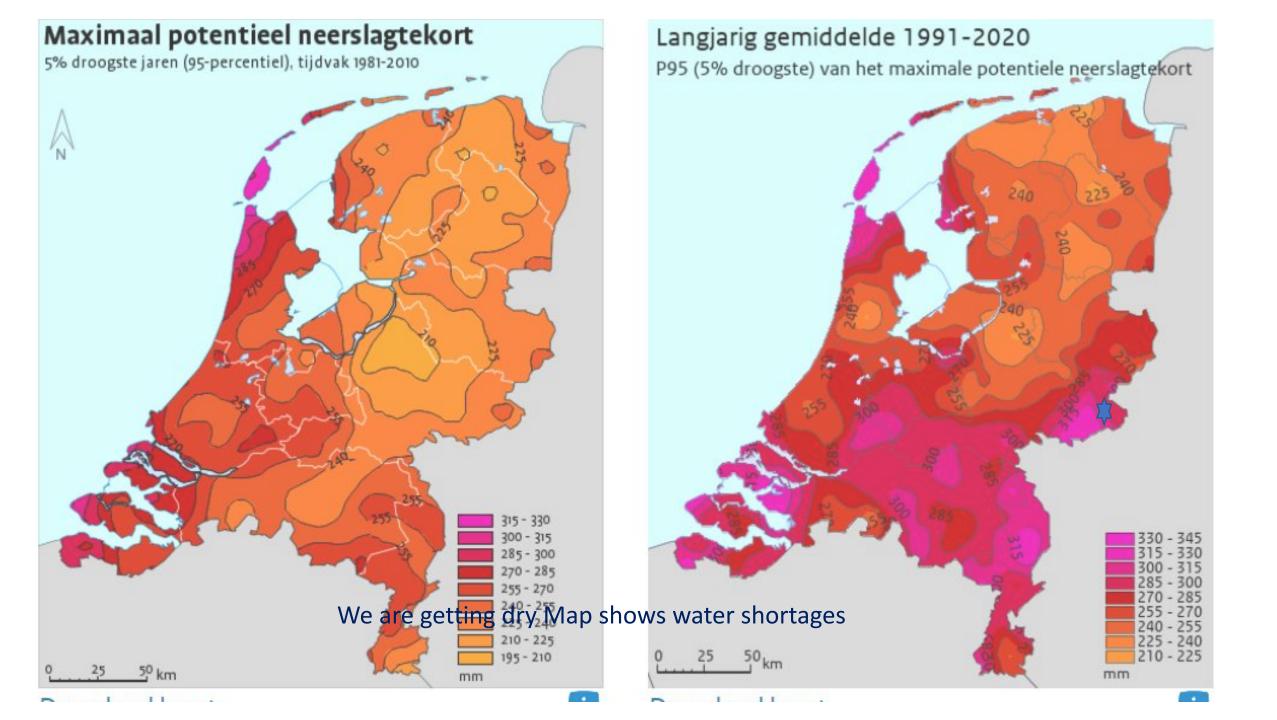
School: RK Scholengemeenschap Marianum

Group Name:G1AG

Date:27-01-2022

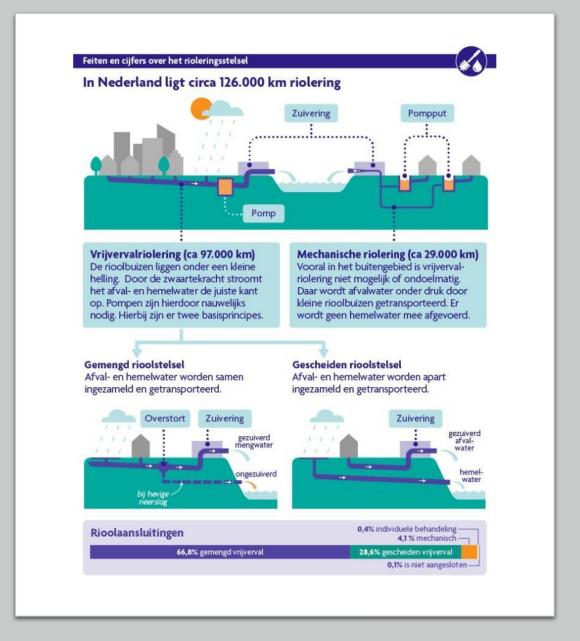
How Spongy Is My School



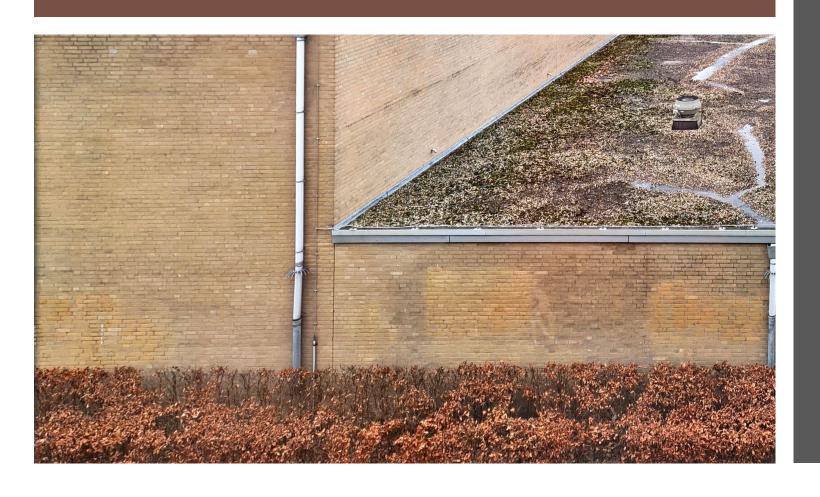


Transition to resilliant water management because

- Local note (we don't know if this is different in Ireland) 66,8% of all of our sewerwater is filtered before it returns to open water.
- But, when it rains very hard, it will spill directly in the rivers and other open water bodies.



Focus points



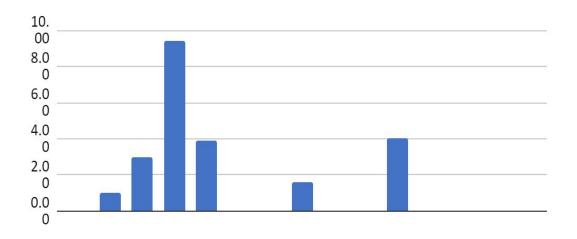
- •Filter rainwater before it settles into soil
- •Keep the water instead of draining it in sewers and canals.
- Slow it down to avoid system overload

Study Details

- 5 lessons of 50 minutes for our project till now
- Groups of 1 to 5 children (age 11-12) mapping the area
- Observed and measured rainfall en weather
- After the presentation of the experts constructing points of focus
- Conclusions: slowing down and filtering the rainwater is our main focus.
- Adjusting our maps (in process)



Rainfall Results





Summary

1

Keep the water!

2

Slow it down

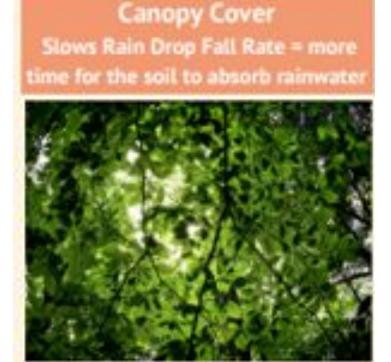
3

Use the ground and the roof

4

Look for missed opportunities

Next step







Raised curbs in carparks must have small gaps at low points regularly, to allow water to enter the rain garden.

Permeable Pavement



Mini Ponds

Hold water. Improve biodiversity Cool down hot days



Green Roofs Help Soak Up Water

- Co-working with our housing manager and the environmental officer of Groenlo.
- Working on our plans and presenting them to the schoolboard and environmental officer



Questions?

Bibliography / Sources

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- https://natuurenmilieu.nl/watermonsters/