



February 2020 was the wettest on record for Wales. It had more than 11 inches of rainfall.

By 2050 Swansea will have more heavy rain storms, droughts and warmer summers.

Let's talk SuDs

We need to start planning, preparing and making changes now. A great idea to help us prepare is move Swansea towards

SuDs – Sustainable urban Drainage

Sustainable urban drainage is about reducing hard surfaces like concrete or steel. And increasing softer – more absorbent surfaces like green spaces.

Climate change is changing life for all of us!

Hard surfaces

If you pour excessive water on concrete and tarmac, it has nowhere it can go fast enough. The drains overflow, so do the rivers. As it flows and floods, it gets polluted and can't be used again.



Challenges



Soft surfaces

If you pour excessive water onto vegetation it absorbs it like a sponge. It gives it time to flow away slower. As it's absorbed it filters back into groundwater that we can treat and use for our water supply.

Use land differently

– for ponds, lakes or green spaces.

Have more green infrastructure

– garden roofs and green walls on offices, homes, bus shelters and bike stands.

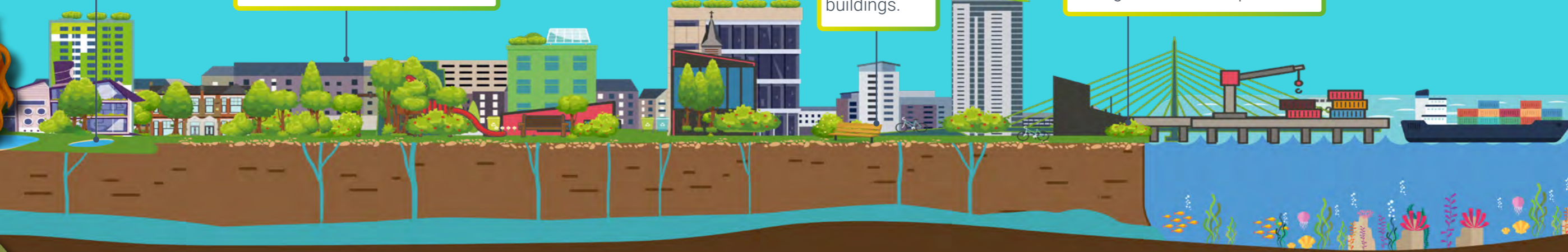
Solutions

Collect and recycle water

– to use in gardens and buildings.

Use different building materials

– porous ones that let water through in roads and paths.



Benefits



SuDs give us better quality water



SuDs give communities more green spaces to enjoy



SuDs reduce flooding and the pressures on drains



SuDs help wildlife and nature thrive



SuDs reduce droughts seasons



SuDs improve people's wellbeing