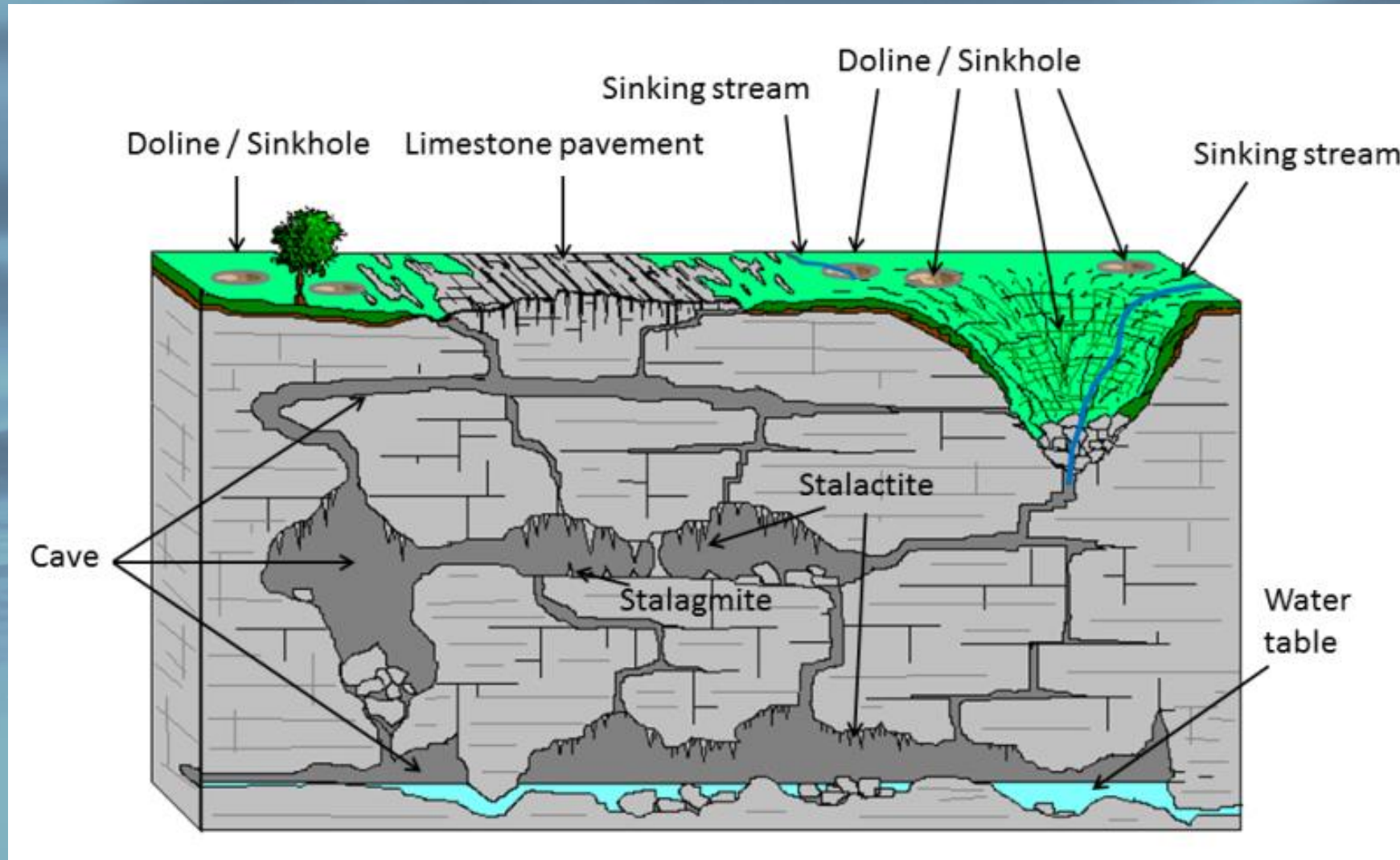


Commonality - Karst Physiography and Landforms

E.g., Turkey, (North) Iraq, Syria, Lebanon, West Bank, Israel, Jordan, KSA, etc



Source: Geological Survey Ireland (www.gsi.ie)

Lebanon



Ireland



Lebanon



Ireland



Commonalities with Middle East:

Eutrophication

Ireland



Lebanon



Fish Kills
Eutrophication and toxic algae

Ireland



Egypt



Ireland

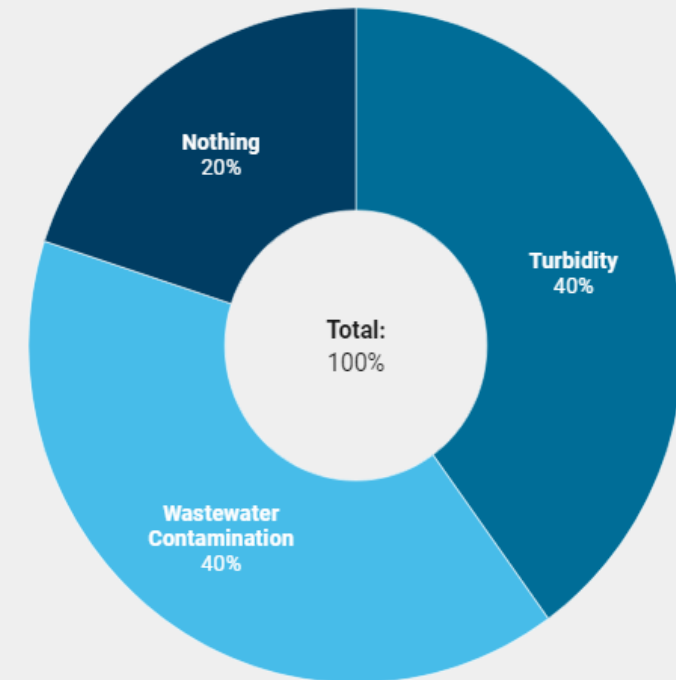
Boil Water Notice issued for Wexford Town Public Water Supply

Following consultation with the Health Service Executive, Irish Water and Wexford County Council have issued a Boil Water Notice for the area supplied by the Wexford Town Public Water Supply to protect approximately 20,000 people due to high turbidity. The areas affected include all customers supplied by Wexford Town Public Water Supply. Turbidity is a measure of cloudiness in the water and is elevated following a period of heavy rain.

Jordan

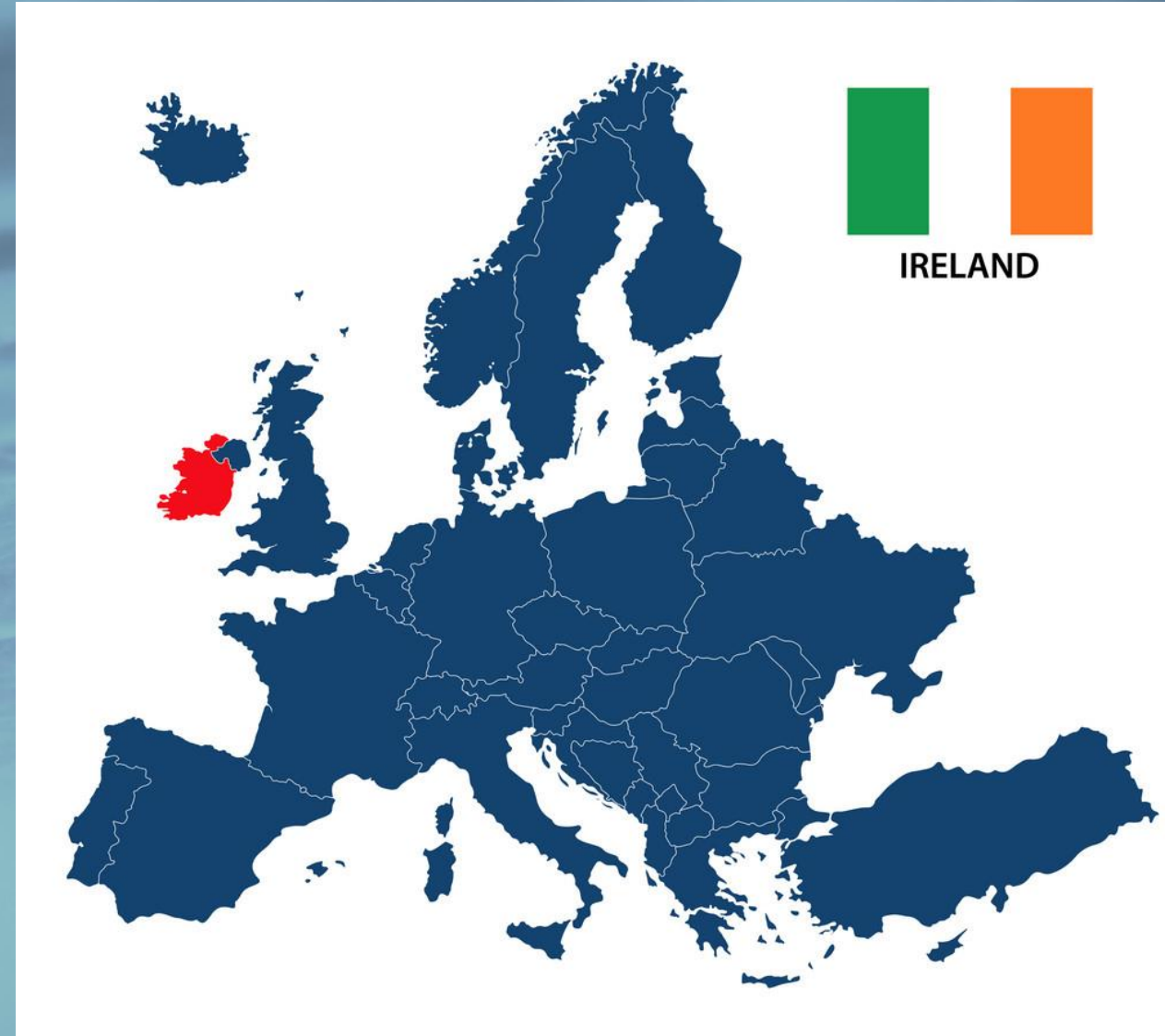
Types of drinking water quality complaints for the year 2018, Amman

■ Turbidity ■ Wastewater Contamination ■ Nothing



Ireland and Water - Summary:

- Total population ~5 Million
- Main city = Dublin
- High proportion of population in rural areas
- Atlantic marine (temperate) climate
- Rainfall 800-2,400 mm/yr, depending on location
- 80% of population is served by centralized water supply
- 25-30% of population served by groundwater
- Water supplies are susceptible to (even short) dry weather conditions
- Freshwater resources and ecosystems are affected by pollution from:
 - Agriculture
 - Wastewater discharges
 - Industry



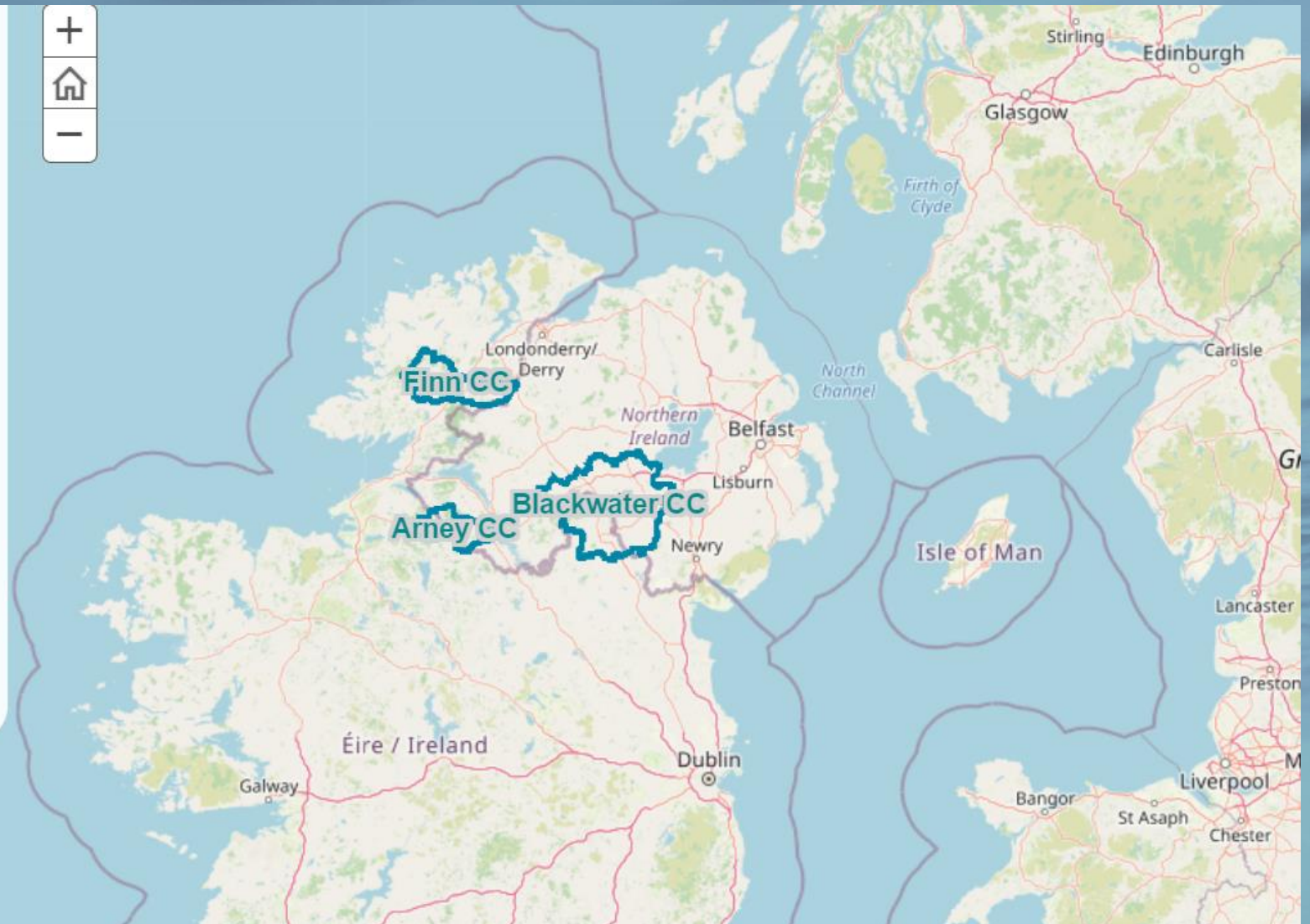
Catchment **CARE**



Community Actions for
Resilient Ecosystems

CatchmentCARE Community Actions For Resilient Ecosystems

CatchmentCARE (Community Actions for Resilient Eco-systems) is an EU-funded project that aims to improve freshwater quality in cross-border river basins across three cross-border catchments. The aims will be achieved through the development of three water quality improvement projects in the **Finn**, **Blackwater** and **Arney** catchments and the installation of 50 boreholes across the region to better understand groundwater in the cross-border catchments and the interaction between groundwater & surface water bodies.

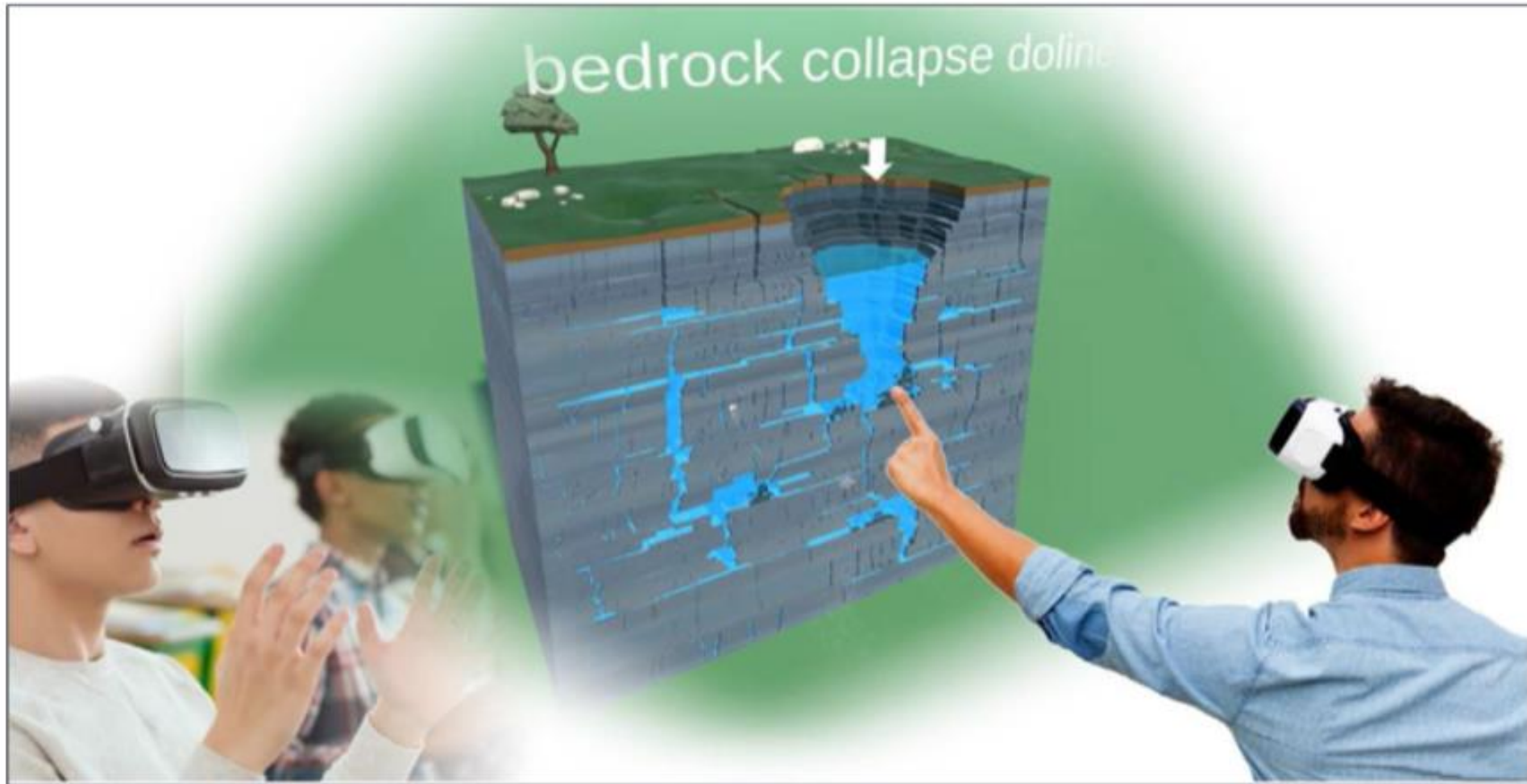


www.catchmentcare.eu

Catchment **CARE**

Community Actions for Resilient Ecosystems







Citizen science



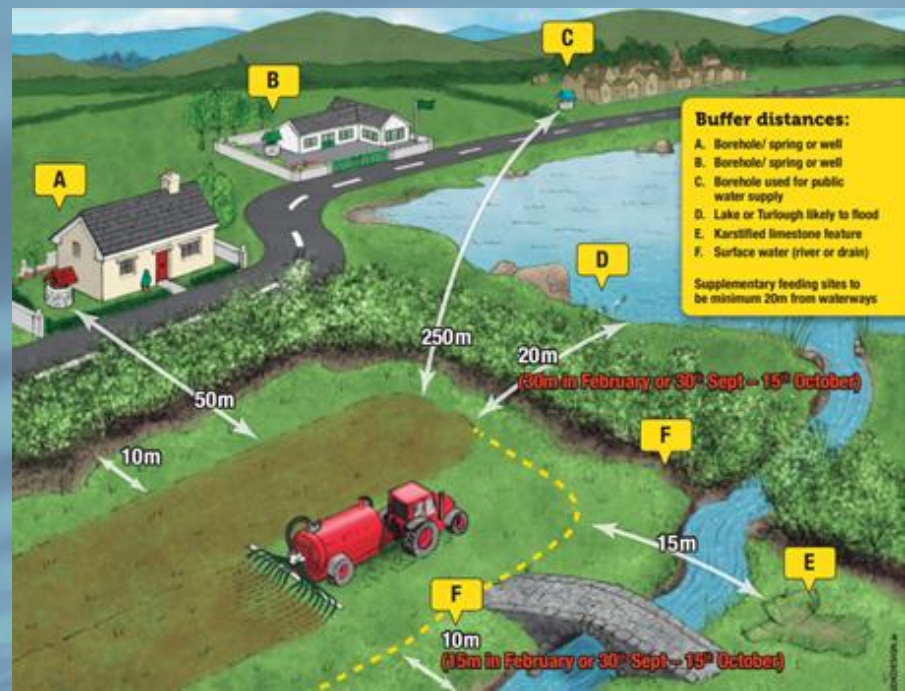
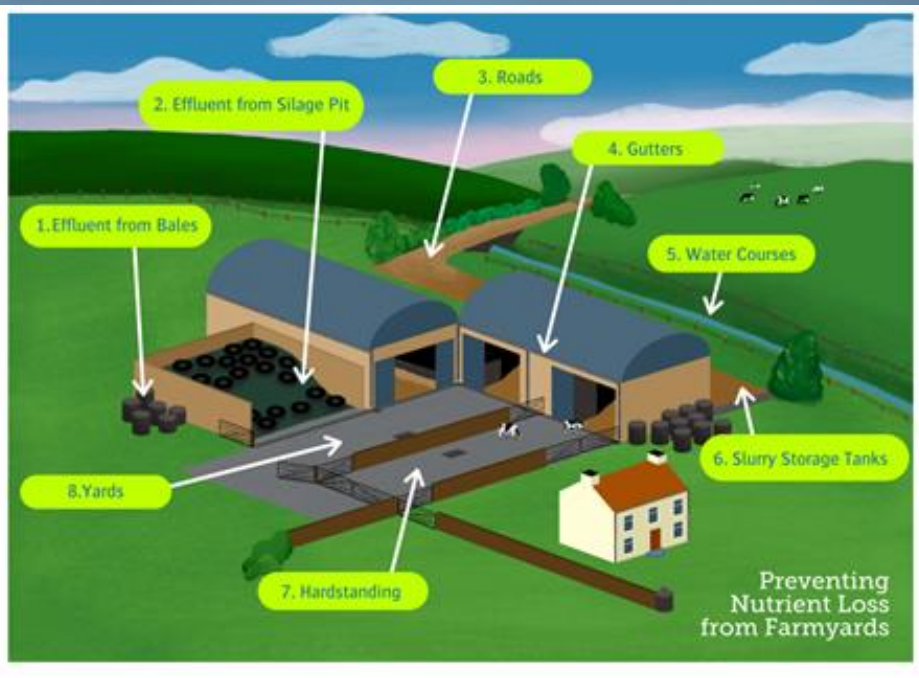
Waterblitz

Water Institute, Dublin City University



LiDAR (Light Detection & Ranging)





Check out more on www.catchmentcare.eu

CatchmentCARE YouTube Channel Bursting with Information

Catchment **CARE**
Community Action for River Ecosystems

 YouTube



One of the main mediums that CatchmentCARE uses to engage with audiences is through its social media channels and via the online video hosting site, YouTube. To date, the CatchmentCARE YouTube channel has been populated with over 50 informative videos for people to learn about the project and to understand the actions that need to be taken to look after our important river systems. Videos on the channel include:

Understanding Groundwater for Communities - this new video contains a demonstration of what is involved with the installation of groundwater monitoring boreholes and discusses how discovering more about the valuable groundwater resources will play a vital role in sustaining our rivers, lakes, and wetlands.

<https://youtu.be/ibHmVuJnARo> - Full Version

<https://youtu.be/hqQmEy3HHV4> - Short Version