Possible Climate Change Learning Activities

# Waste Management (Noel Austin)

The tool has a sandbox and 2 built in challenges. The first asks learners to reach waste management goals using bounded financial resources and sensitivity to public opinion. The second requires the learner to take money from other government departments to allocate to the waste management challenge. Choices made impact on the popularity of the government.

Teams attempt both challenges (is a plenary session needed after challenge 1?). For challenge 2 they have to create a presentation on how they met the goals and how they can persuade the public to go along with them (may be able to overwrite the government popularity measure but will have to justify their proposed figure to the class).

Link <https://noel-austin.github.io/>

A screenshot of a computer

Description automatically generated

# Coastal Erosion (Adam Beatty)

The tool displays Google Earth images of a few pre-selected areas on the Irish coast. Location of coastline and tidal range is shown (for a 3 year period). Learner can explore erosion, deposition, change in tidal range and other attributes over time.

Learning activity. Explore the functionality of the tool. Create a presentation for the whole class on what they learned/found interesting about the area they were assigned.

Possible additional activity could be linked to the Tidal Data Tool.

Link: https://finalyearproject2024.projects.earthengine.app/view/tidal-range1

A screenshot of a map

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