
Worksheet. Activity: Sea Level Rise and My Home

Objective: Explore the potential impact of sea level rise on different locations using online tools, and reflect on how climate change could affect your environment and daily life.

Time: 30 - 45 minutes

Tools: floodmap.net, ArcGIS Survey123 form (link provided by teacher)

Work mode: Individual or pairs

Instructions

1. Open the website: https://www.floodmap.net

2. Find your home location (or any location you would like to explore) by zooming in on the map.

3. Enter the number of meters for water level rise and click Set.

4. Check if the place is flooded. If not, increase the number until the area becomes flooded.

5. Repeat the same steps for each of the four locations listed below.

6. Fill out the ArcGIS Survey123 form with your results and short reflections.

Step 1 – Record your findings

Location	Country / City	Sea level rise (m) needed to flood	Comments / Observations
1. My home			
2. My grandparents' home			
3. My favourite place in my country			
4. My favourite place in the world			

Step 2 – Reflection questions

1. Which place surprised you most and why? _____

2. How does this make you feel about climate change? _____

3. What actions can we take to reduce the risks of rising sea levels? _____