

Problem Definition

- Issue: The Han River is polluted.
 - Public Perception : Many Seoul residents believe the Han River is polluted, highlighting issues related to **SDG 6: Clean Water and Sanitation**—ensuring sustainable water management.
 - Aesthetic Concerns : The river looks unpleasant, discouraging people from engaging with it.

Importance of Water Quality in the Han River

- Wide Usage: Many people use the Han River for leisure activities like boating, picnic, and exercising.
- Benefits of a Clean River:
 - Water-related activities would become more enjoyable and safer.
 - A cleaner river would promote biodiversity, creating a healthier environment for both people and wildlife, supporting a more sustainable ecosystem.

Goal Setting

- Main Goal: "Make the Han River clean"
 - Sub Strategies:
 1. Implement a more effective **recycling system** to prevent waste from entering the river.
 2. Enforce stricter **regulations** to control pollution and ensure compliance.

Required Data

1. Data on the Han River
 - Water quality data : chemical, biological, and physical indicators
 - Historical trends
2. Comparative Data from Other Countries
 - Selection of rivers similar in size to the Han River
 - Water quality data and current issue data for selected rivers
①Canada ②Japan ③Iran ④USA
⇒ Analysis of data from these rivers to inform potential solutions for the Han River.