**Part 1: SDG Selection and Problem Definition**

1. **SDG Selection:**
   * **Chosen SDG:** SDG 6: Clean Water and Sanitation
2. **Problem Definition:**
   * **Specific Problem:** Many communities, especially in developing countries, lack access to clean and safe drinking water. This issue leads to widespread waterborne diseases, impacting health, education, and economic development. The specific problem to address is the distribution and quality of drinking water across different regions, focusing on identifying areas with poor access to clean water and understanding the factors contributing to this disparity.