

Clean Water and Sanitation for All

SDG 6: Ensure availability and sustainable management of water and sanitation for all

The goal of SDG 6 is to “ensure availability and sustainable management of water and sanitation for all” by the year 2030. To achieve this goal, the UN has set 6 key targets towards which all member countries must make progress. Furthermore, the UN has [identified 5 domains of opportunity](#) to either enable or accelerate progress towards the targets. For this competition, 3 domains of opportunity have been selected:

- 1) Supporting **knowledge and capacity development** to compensate for lack of human resources.
- 2) Enabling **data acquisition and monitoring** of progress as well as a basis for efficient decision and policy making.
- 3) Developing **innovative solutions** through the use of new technologies to enable more affordable alternatives than have currently be provided.

Target 6.1: Achieve access to safe and affordable drinking water

Achieving this target means extending services to 844 million people who still lack even a basic water service, and progressively improving the quality of services to 2.1 billion people who lack water accessible on premises, available when needed and free from contamination ([safely managed drinking water](#)). Only 1/5 countries below 95% coverage are on track to achieve universal basic water services by 2030. What could be a cheap solution to decontaminate or prevent contamination of water?

Target 6.2: Achieve access to sanitation and hygiene and end open defecation

Some 892 million people still practice open defecation, the majority of whom live in just two regions: Central & Southern Asia and sub-Saharan Africa. Only 10% of countries below 95 per cent coverage is on track. What could be a cheap and disposable solutions that people can use for sanitation in the absence of toilets?

Target 6.3: Improve water quality, wastewater treatment and safe reuse

Collecting, treating and reusing wastewater from households and industry, reducing diffuse pollution and improving water quality are major challenges for the water sector. Many countries lack the capacity to collect and analyze the data needed for a full assessment of where countries on this target. What could be a solution that enables the re-use of water in areas with limited water network infrastructure (say, lack of state provided water pipes)?

Some [inspirations](#) and resources for [data](#) that gives a global view of progress in each country.



Your Challenge

What can your company do to address any of the 3 selected SDG 6 targets? Where possible, frame your solution in the context of the 3 domains of opportunity that best fits your solution. In addition, you are encouraged to think of how your approach can provide data to facilitate assessment of how your solution contributes to meeting the target that you're addressing. Bear in mind the level of data analysis capacity (or lack thereof) in the countries that can benefit from your solution. Work on a solution (product, service or other) that your company could deliver, build the business case and prove that it will work, with impact!

SDG 6 at a Glance...

Be sure to explore this goal further!

Further resources to get started: [SDG 6](#)

6 CLEAN WATER AND SANITATION

ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

BEFORE COVID-19

DESPITE PROGRESS,

BILLIONS STILL LACK WATER AND SANITATION SERVICES

2.2 BILLION PEOPLE
LACK SAFELY MANAGED DRINKING WATER
[2017]

4.2 BILLION PEOPLE
LACK SAFELY MANAGED SANITATION
[2017]

TWO IN FIVE
HEALTH CARE FACILITIES WORLDWIDE HAVE
NO
SOAP AND WATER OR ALCOHOL-BASED HAND RUB
[2016]

COVID-19 IMPLICATIONS

3 BILLION PEOPLE WORLDWIDE
LACK BASIC HANDWASHING FACILITIES AT HOME
↓ ↓ ↓
THE MOST EFFECTIVE METHOD FOR COVID-19 PREVENTION

WATER SCARCITY
COULD DISPLACE
700 MILLION PEOPLE
BY 2030

SOME COUNTRIES EXPERIENCE A FUNDING GAP OF 61% FOR ACHIEVING WATER AND SANITATION TARGETS