

Surface Water and Ocean Topography (SWOT) and NASA Women's Aqua Boost Challenge

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from Women Around the World

Women's Water Insecurity Is a Global Health Crisis



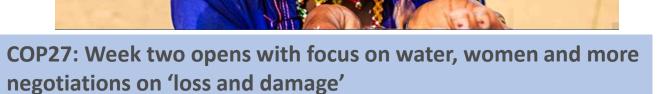
UN-Water and UN Women have published a report outlining a feminist agenda to tackle the world's water crisis. The report calls for a holistic approach to water use and water conservation, one that brings together women, water, and nature and recognizes the role of women in their communities as the main collectors, protectors, and managers of water.

WOMENE

The report reviews the state of gender equality in SDG 6 (clean water and sanitation) and demonstrates how a gender lens "can inform and strengthen the discourse around SDG 6 acceleration".

Calling for women's equal representation in leadership and decision making, the paper traces linkages between social justice, ecological rights, and women's rights.

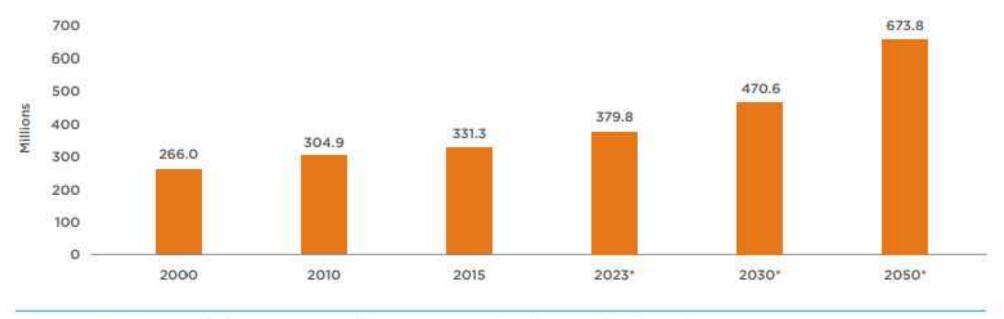
Women and girls bear brunt of water and sanitation crisis – new UNICEF-WHO report





Spotlight on SDG 6: From commodity to common good: A feminist agenda to tackle the world's water crisis

WOMEN LIVING IN COUNTRIES WITH HIGH OR CRITICAL WATER STRESS, 2000-2050, GLOBAL PROJECTIONS (NUMBER)



Source: UN Women calculations using United Nations, 2023 and United Nations Population Division, 2022.

Note: Projections for 2023, 2030 and 2050 are derived using regional compound annual growth rates for the period from 2015 to 2020, using the medium-variant population projections for 2023.

https://www.unwater.org/sites/default/files/2023-07/from commodity to common good.pdf



SWOT Application



Crowdsourcing



Funding

Matching funding

Women Aqua Boost

Partnering





yet2 Women's Aqua Boost Project



Project Objectives

- **Engage** various regions around the world that may benefit from SWOT, specifically for Women's Aqua Boost, partnering with women water gathers in underdeveloped regions, connecting NASA with these communities.
- **Promoting** global awareness of surface water challenges which are disproportionately borne by women.
- Identification of regions that are experiencing arid, drought or flooding conditions where women are the primary water managers/gathers.
- Selection of one arid and one flood-prone region where the team could partner with women community members to obtain lake or river measurements over the course of 1-year. Water body must be in a viewable SWOT path.
- **Profiling** the day-to-day water challenges faced by women via direct conversations/surveys.





NASA Women's Aqua Boost Challenge

- Team has analyzed 53 countries challenged by drought, flooding or both, where women are primary water managers.
 - Selected 2 countries as the initial areas to study.
- Approached 15 researchers and 70 NGOs to partner with the community engagement portion of the study.
- Timeline: 12 months

