

# Innovative Water Security Initiatives by Japanese Youth

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The 1st JWF Webinar 2023



Japan Water Forum  
日本水フォーラム



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# Overview

## Innovative Water Security Initiatives by Japanese Youth

The Japan International Cooperation Agency (JICA), an implementing agency of Japan's Official Development Assistance (ODA), has continuously dispatched the Water Security Action Team(W-SAT) for 15 years since 2008 as young volunteers to improve water and sanitation in Africa. By the end of May 2023, a cumulative total of 294 volunteers had been dispatched to 21 countries, and 20 are currently active in 9 countries. W-SAT members live with local communities, understand their needs, and work to solve their problems with their free perspectives. Today, we would like to introduce a unique initiative and innovation originated by Japanese youth in this W-SAT.



### Ms. Aya Tsuboi

CEO and Founder of Sunda Technology Global Co., Ltd. Dispatched to Uganda from 2018 to 2019. She established Sunda Technology Global Co., Ltd. which provides a prepaid, pay-as-you-fetch, automatic water fee collection system(SUNDA), to be installed on hand pumps. This solution changes the Operation and Maintenance of community water sources.

### Mr. Yusei Nakao

Dispatched to the Republic of Rwanda from 2021 to July 2023.

He developed a system in which a QR code was attached to a hand pump so that residents can read it with their smartphones when it breaks down and report it to government agencies.



### Ms. Eri Noda

A project manager, Water Resources Group, Global Environment Department, JICA.

Dispatched to the Republic of Rwanda from 2018 to 2020. Focusing on water contamination caused by dirt inside the container (jerrycans), she conducted hygiene awareness activities to clean the inside of jerrycans using eggshells and local materials.

