

SUSTAINABLE INTEGRATED WATER RESOURCES AND STORMWATER MANAGEMENT

**19 TO 23 SEPTEMBER 2022
IN-PERSON FORMAT**

Jointly sponsored by the

SINGAPORE COOPERATION PROGRAMME

and the

**UNITED NATIONS CHILDREN'S FUND
EAST ASIA AND PACIFIC REGIONAL OFFICE**

under the

SINGAPORE-UNICEF JOINT TRAINING PROGRAMME

to be conducted by

**PUB, SINGAPORE'S NATIONAL WATER AGENCY –
SINGAPORE WATER ACADEMY**

and

UNICEF

Singapore Cooperation Programme

Singapore has provided technical assistance to other developing countries since the 1960s. As a country whose only resource is its people, Singapore believes that human resource development is vital for economic and social progress. Singapore itself has benefited from training provided by other countries and international organisations.

In 1992, the Singapore Cooperation Programme (SCP) was established to bring together under one framework the various technical assistance programmes offered by Singapore. Through the SCP, the range and number of training programmes were increased to share Singapore's development experience with other developing countries.

To date, over 137,000 officials from more than 180 countries and territories have participated in our courses and study visits. The SCP is managed by the Technical Cooperation Directorate of the Ministry of Foreign Affairs, Singapore.

UNICEF

UNICEF works in over 190 countries and territories to save children's lives, to defend their rights, and to help them fulfil their potential, from early childhood through adolescence. UNICEF has spent 70 years working to improve the lives of children and their families. Safe water, improved sanitation and good hygiene (WASH) is a foundation for development towards health, equity, gender equality and education and is at the center of the 2030 agenda for Sustainable Development.

Goal 6 of the Sustainable Development Goals (SDGs) aims to "ensure availability and sustainable management of water and sanitation for all". UNICEF works within the framework of this new development agenda to support governments in achieving these goals. Water is a precondition to life on Earth and is essential for sustainable development. Safe drinking water and sanitation are human rights and critical for socioeconomic development, food security and healthy ecosystems.

However, the global climate change crisis is increasing variability in the water cycle. This translates into negative impacts on drinking water availability and quality, and also in negative performance of sanitation and hygiene services, with challenges to physical accessibility and impacts on affordability. Concerns for water supply include damage to infrastructure from flooding, loss of water sources due to declining rainfall and increasing demand, and changes in the quality of drinking water sources and within distribution of water. Sanitation concerns include damage and loss of services from floods and reduced carrying capacity of waters receiving wastewater.

SDG 13 aims to “take urgent action to combat climate change,” representing an important milestone which was not addressed in the previous Millennium Development Goals. It includes increasing adaptation and resilience at both the national and community levels and building capacity at all levels to respond to the impacts of Climate Change. Because the impacts of Climate Change are most commonly experienced through the medium of water, the adaptation measures required target many aspects of the Water, Sanitation and Hygiene (WASH) sector.

Key actions to reduce climate risks include the integration of measures of climate resilience into water safety plans, as well as improved accounting and management of water resources. To address these growing threats to the WASH system due to changing climate, UNICEF adopts a resilient approach in its WASH programming across the countries helping governments and partners to better design and implement a Climate Resilient WASH Programme. For more information on UNICEF, please visit <https://www.unicef.org>

PUB, Singapore’s National Water Agency

PUB is the national water agency, and manages Singapore’s water supply, water catchment and used water in an integrated way. PUB has ensured a diversified and sustainable supply of water for Singapore with the Four National Taps – local catchment water, imported water, high-grade reclaimed water known as NEWater, and desalinated water. Its approach to water management can be distilled into three key strategies: collect every drop of water, reuse water endlessly, and desalinate more seawater. For more information on PUB, please visit <https://www.pub.gov.sg>

Singapore Water Academy

To enhance capability development, PUB has set up the Singapore Water Academy, a practitioner-focused institution in urban water management.

Besides providing training for PUB staff, the Academy also trains the industry to strengthen current competencies and develop future capabilities. It also welcomes international participants to its programmes, which address engineering and operations, and business leadership & governance.

Climate Action Package

The course is part of Singapore’s Climate Action Package, a suite of courses launched in 2018 to support the efforts of other developing countries in building climate resilience and achieving their climate pledges.

Course Objective

Conducted in collaboration with UNICEF, this course discusses approaches to integrated water resources and stormwater management to deal with the extreme weather conditions brought on by climate change.

Course Outline

The course would cover topics such as:

- Singapore’s approach and strategies towards enhancing climate resilience;
- Coastal protection for climate resilience;
- Water sustainability and circular economy in Singapore;
- Stormwater management strategies;
- Active, Beautiful and Clean Waters (ABC Waters) Programme;
- PPP approach for water in Singapore;
- Visits to key project sites by PUB;
- Climate resilient for water, sanitation and hygiene (WASH) Framework.
- Risk Assessment Tools for Climate Change impacts to Water and Sanitation systems
- Appraising and identifying appropriate Climate resilient options and solutions for resilient WASH systems

Methodology

The course will be conducted in English through a mix of lectures, discussions, and practical exercises with the aim of maximising engagement and exchange of experience among participants.

Course Duration

The programme will be conducted daily from **19 to 23 September 2022** (5 days) in Singapore.

The course **might be converted to an online modality** should circumstances warrant. The course duration might then be extended to 9 days (tentatively 5 to 15 September 2022).

Application Information

Applicants should be:

- Mid-to senior-level government officials involved in integrated water resources and stormwater management;
- Nominated by their respective Governments;
- Proficient in written and spoken English;
- Fully vaccinated with WHO EUL COVID-19 vaccines; and
- In good health.

Terms of Award

The course is jointly sponsored by the Government of Singapore and the UNICEF under the Singapore-UNICEF Joint Training Programme.

Under this programme arrangement, the Government of Singapore will bear the following expenses for the successful applicants (thereafter known as participants) during their training in Singapore. These expenses include:

- Course fees;
- Accommodation for the entire duration of the course. Complimentary breakfast is provided in the hotel from the first day of the course to one day after the course;
- A daily training allowance of One Hundred and Twenty Singapore Dollars (S\$120) from the first day to the last day of the course. A proportionate reduction in the daily training allowance will be made if you are unable to attend the full duration of the course;

- Transportation between hotel, course venue and site visits; and
- Basic insurance coverage (Group Hospitalisation and Surgical; Group Personal Accident) for participants during their stay in Singapore, in accordance with the policy of a local insurance company. [This does not cover any pre-existing conditions/illnesses and/or any outpatient medical/dental treatment, or COVID-19 related expenses and medical evacuation.]

Note:

- The **nominating government will be responsible for its participants' round-trip airfares**;
- Participants are to bear their personal expenses that might be incurred prior to receiving the allowance; and
- As the basic insurance coverage is limited, participants are **strongly advised to purchase comprehensive travel insurance** which includes **adequate coverage of COVID-19 related expenses** and medical evacuation in the event of any unexpected emergencies.

Regulations

Participants are required to comply with the following:

- Strictly observe course schedules and attend all training sessions;
- Carry out instructions and abide by conditions as may be stipulated by the nominating Authority or Government and the Government of Singapore and its appointed trainer, with respect to the course;
- Participants are strongly encouraged to self-administer an ART-test on the first day of the course and only join the course if the result is negative;
- Not bring any member of their family and/or aide during the duration of the course;
- Not to engage in political activities, or any form of employment for profit or gain while in Singapore;
- Discontinue the course, in the event they fall seriously ill and are considered unable to continue the course or have committed an improper act;
- Return to their respective home countries upon completion of the course.

Application Procedure

(Closing date for nomination: **12 August 2022**)

The Government of Singapore and UNICEF are pleased to invite the respective National Focal Point for Technical Assistance to nominate **one (1)** suitable applicant. Selection of candidates will be based on merit. Should there be more applicants than training places, the Government of Singapore seeks the understanding of the respective National Focal Point for Technical Assistance in the event that its nominee(s) is not selected.

All nominees are to submit their applications online at <https://go.gov.sg/waterresources2022> by **Friday, 12 August 2022**. All application forms must also be **endorsed** by the respective Ministry of Foreign Affairs or National Focal Point for Technical Assistance via email links. Instructions and FAQs for Applicants and NFPs can be found at the links below:

- Applicants: <https://go.gov.sg/start-guide>
- NFPs: <https://go.gov.sg/start-nfp>

Note:

- Participants will receive a certificate of completion from the SCP upon completion of the course.
- Please refrain from making telephone and email inquiries on the status of your application while your application is being processed.
- The **Ministry of Foreign Affairs, Singapore** will inform all applicants of the outcome of their applications. The NFP will also be informed directly.
- Flight arrangements are to be made only upon receipt of the Letter of Acceptance to the course.

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