

SUSTAINABLE INTEGRATED WATER RESOURCES AND STORMWATER MANAGEMENT

23 TO 27 MARCH 2020

Jointly sponsored by the

PUB, SINGAPORE'S NATIONAL WATER AGENCY

and the

**UNITED NATIONS CHILDREN'S FUND
EAST ASIA AND PACIFIC REGION 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, Singapore has sponsored training courses and study visits for over 128,000 officials from more than 170 countries. The SCP is managed by the Technical Cooperation Directorate of the Singapore Ministry of Foreign Affairs

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.

Course Objectives

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.

Synopsis

Topics to be covered include:

- Water supply diversification to enhance resilience to droughts;
- Stormwater management strategies;
- Smart solutions to improve water stability;
- Climate resilience for 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 programme is designed with seminars and hands-on workshop and presentations to ensure maximum participation and diversity of engagement for the participants such that the key learning points are entrenched well. Relevant site visits will also be included.

Duration

The course will be held in Singapore from **23 to 27 March 2020**.

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 as the course is conducted fully in English without translation; and
- In good health and medically fit to attend the course.

Terms of Award

The course is sponsored by the Government of Singapore 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:

- Daily training allowance from first day to last day of the 5-day course to cover meals and daily expenses; [Complimentary breakfast is provided in the hotel from the first day to one day after the course.]
- Transportation to course venue and site visits;
- Accommodation for the entire duration of the course;
- Basic hospitalisation and surgical insurance; [This does not cover any pre-existing conditions/illnesses and/or any outpatient medical/dental treatment. Participants are personally liable for all medical expenses beyond what is covered by the insurance policy.]

Note:

- (i) The nominating Government will be responsible for its participants' round-trip airfares.
- (ii) Participants are advised to have money for miscellaneous expenses that might be incurred prior to receiving their training allowance.
- (iii) As the basic hospitalisation and surgical insurance coverage is limited, participants are also advised to purchase comprehensive travel insurance which includes medical evacuation in case they encounter any unexpected emergencies.

Regulations

Participants are required to comply with the following:

- (a) Strictly observe course schedules and not miss training sessions.
- (b) Not bring any member of their family and/or aide for the duration of the course.
- (c) Carry out instructions and abide by conditions as may be stipulated by the nominating Authority or the Government of Singapore with respect to the course.
- (d) Refrain from engaging in political activities, or any form of employment for profit or gain while in Singapore.
- (e) Discontinue the course, in the event they fall seriously ill and are considered unable to continue the training or have committed an improper act.
- (f) Return to their respective home countries upon completion of the course.

Application Procedure

(Closing date for nomination: **3 February 2020**)

The Government of Singapore and UNICEF are pleased to invite National Focal Points 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 and UNICEF seek the understanding of the National Focal Points for Technical Assistance in the event that their nominees are not selected.

All nominees are to submit their applications online at <https://go.gov.sg/siwrs-sm-mar2020> by **Monday, 3 February 2020**. All application forms must also be **endorsed** by the respective Ministry of Foreign Affairs or National Focal Point for Technical Assistance.

Note:

- All applications should be completed in full. Incomplete application forms or forms which are not endorsed will not be considered. Please contact [HO Jia Yin@mfa.gov.sg](mailto:HO_Jia_Yin@mfa.gov.sg) if you encounter technical issues during application.
- Applicants should refrain from making telephone and email inquiries on the status of their applications.
- The **Ministry of Foreign Affairs, Singapore** will inform all applicants of the outcome of their applications. The National Focal Point will also be informed directly or through Singapore's diplomatic representations in the nominating country.
- Flight arrangements are to be made only upon receipt of the Letter of Acceptance to the course.

Information on Singapore

For more information about Singapore, you may wish to visit the Singapore Tourism Board website at www.yoursingapore.com

