

IHE Delft

Institute for Water Education

Partnerships

Prof. Dr. Eddy Moors





IHE Delft Institute for Water Education is the largest international graduate education institute in the field of water. The institute confers fully accredited MSc degrees and promotes PhDs.

Since 1957 the Institute has provided graduate education to more than 15,000 water professionals from over 162 countries, the vast majority from the developing world.

136 PhD fellows are currently enrolled in water-related research. The Institute carries out numerous research and capacity development projects throughout the world.

Why there is a need for water professionals

- ❑ Access to water is a likely cause of future conflict throughout the world.
- ❑ 663 million people lack access to improved drinking water sources.
- ❑ 2.4 billion people worldwide are without access to hygienic sanitation facilities – including 1 billion who defecate in the open.
- ❑ 800 thousand children die from diarrhea and related disease.
- ❑ Over the past century, floods and droughts have accounted for 94% of all fatalities due to extreme weather events.
- ❑ Agriculture accounts for 70% of all water withdrawn by the agricultural, municipal and industrial (including energy) sectors.

Global Risks Landscape

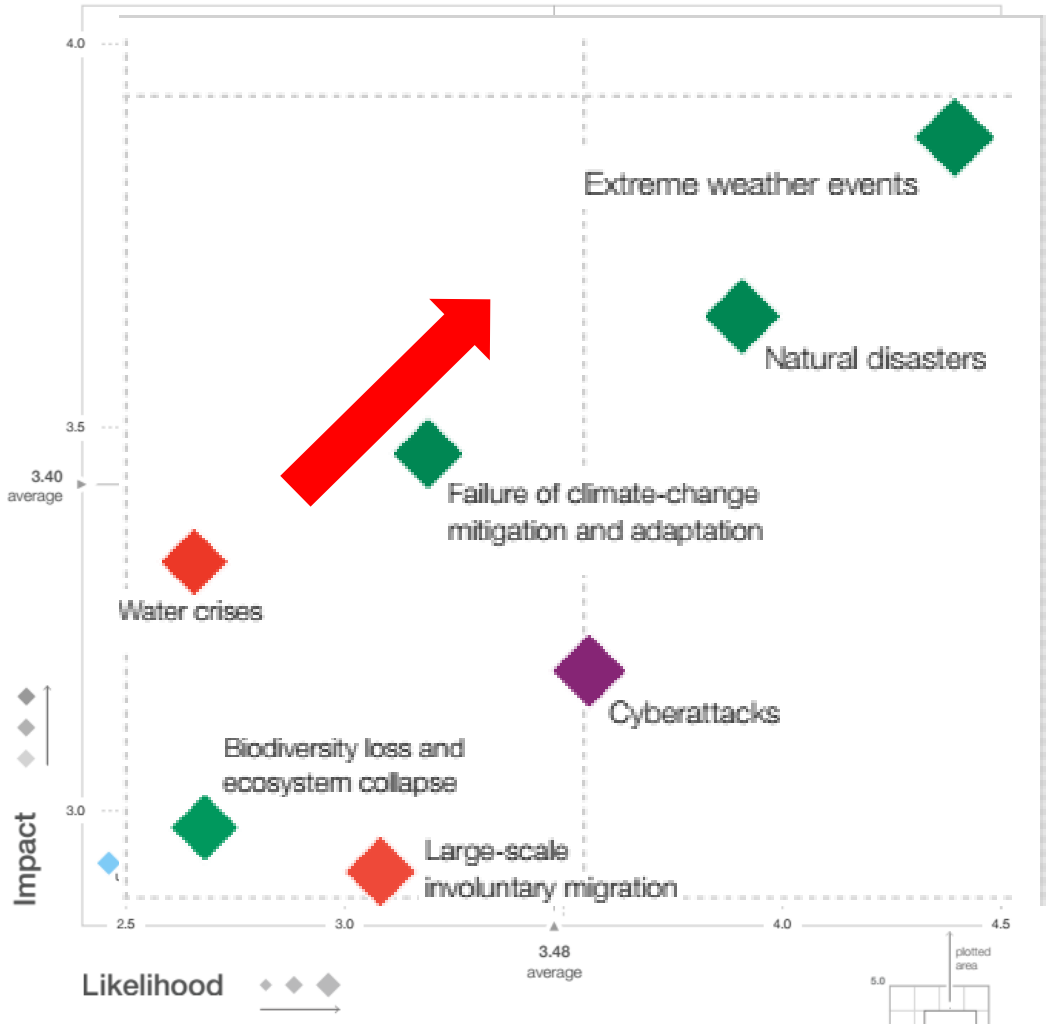
Figure I: The Global Risks Landscape 2018

Likelihood

- 1 Extreme weather events
- 2 Natural disasters
- 3 Cyberattacks
- 4 Data fraud or theft
- 5 Failure of climate-change mitigation and adaptation

Impact

- 1 Weapons of mass destruction
- 2 Extreme weather events
- 3 Natural disasters
- 4 Failure of climate-change mitigation and adaptation
- 5 Water crises



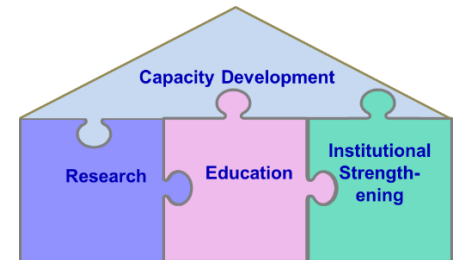
Source: World Economic Forum Global Risks Perception Survey 2017–2018.

Vision

IHE Delft Institute for Water Education envisions a world of diverse but inclusive and secure societies, in which people manage their water and environmental resources in a sustainable manner, and in which everybody has equal opportunities to fulfil their aspirations and live a life free of poverty and injustice.

Mission

We believe passionately that excellent education, cutting-edge applied research and innovation and institutional strengthening are crucial to develop and co-create with our partners, individuals and organizations alike, the changes needed in the water sector of the Global South, to realize our broader vision, especially in view of the challenges ahead.



Our Operation

IHE Delft is an institute that operates under the auspices of UNESCO. As such, it is a not for profit organization with an independent governing board. For its operation, the Institute relies on external funding.

MSc programmes

Water Management

The scientific study of water resources with practical planning and management skills (incl. water governance, gender, water cooperation and diplomacy).

Sanitation

Water supply, sanitation and water engineering and management:

- Urban Water & Sanitation particularly focusing on urban areas;
- Sanitation for non seweraged areas.

Environmental Science

Conservation and prudent use of natural resources for the benefit of society.

Water Science & Engineering

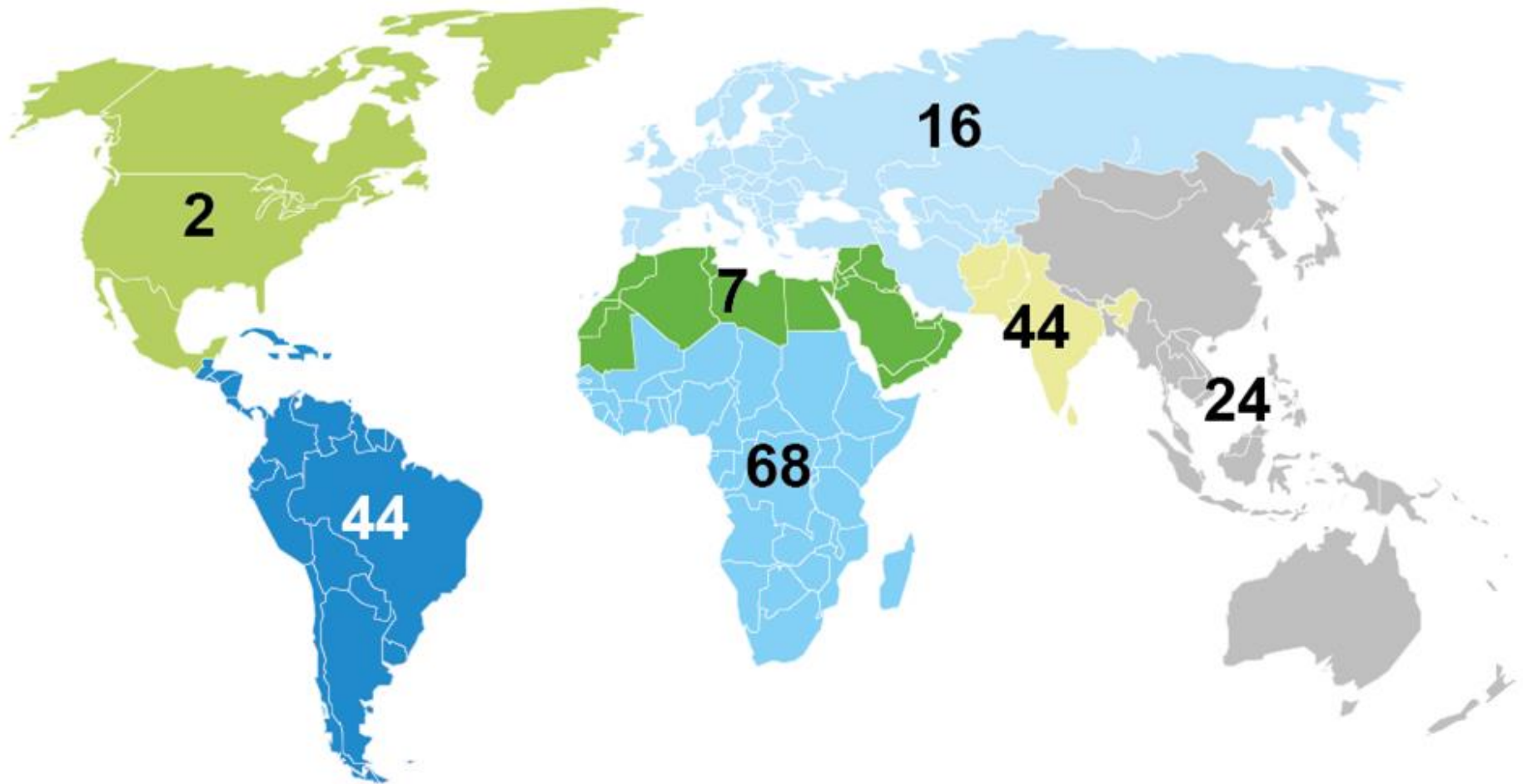
Hydrological and hydraulic processes and modelling tools for improved water management in coastal zones, river basins and agricultural areas.

Partnerships: Joint MSc programmes (2016)

Joint programmes are offered in collaboration with renowned partner institutes. Part of the programme is given at a partner institute, often in another country/continent.



MSc students per region of origin (2016)



Some examples

NEW DELHI, INDIA



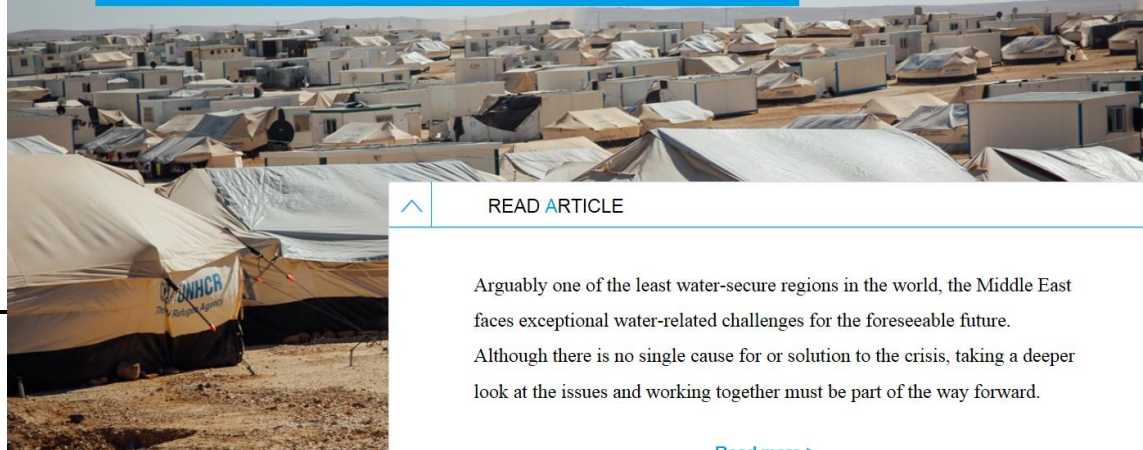
A tale of an unequal city: Delhi's waters through the eyes of female domestic workers

Written by [Tatiana Acevedo Guerrero](#), on 31 March 2017



FEATURE

Taking on the water crisis in the Middle East



[READ ARTICLE](#)

Arguably one of the least water-secure regions in the world, the Middle East faces exceptional water-related challenges for the foreseeable future.

Although there is no single cause for or solution to the crisis, taking a deeper look at the issues and working together must be part of the way forward.

LLL: Impact Organizational Capacity

Example of Excellent Organization
Managed by IHE Alumni: National Water
and Sewerage Corporation (NWSC)

CEO: Silver Mugisha, IHE
Alumnus, former IHE
Senior Lecturer

Director Business and
Scientific Services,
IHE Phd in Environmental
Resources Management

NWSC TOP MANAGEMENT



Dr. Eng. Silver Mugisha
Managing Director

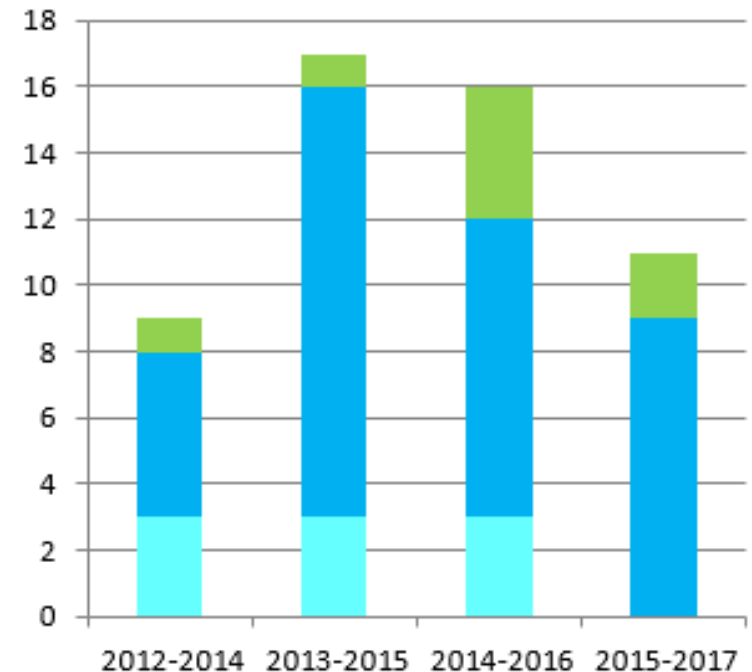
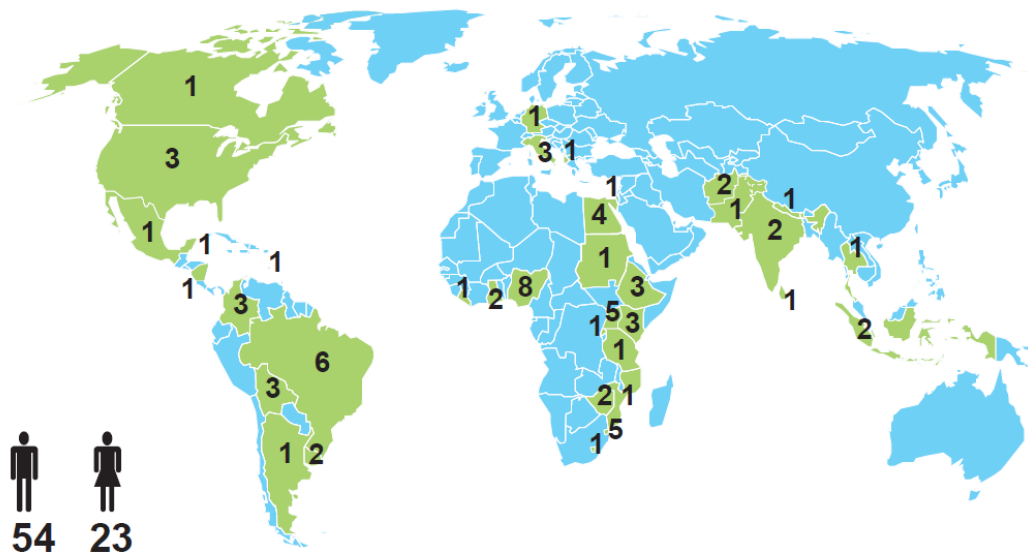


Dr. Rose Kaggwa
Director Business &
scientific Services



Rotary Scholarship Program @ IHE Delft

Since 2012, The Rotary Foundation has provided scholarships for 77 IHE Delft students from 31 countries, total investment of over 2.5 MM\$



- 44 MSc diplomas awarded (8 with honor)
- 80% of graduated students returned home

Dear Kimberly,

This is awesome. I hope more people from Fiji would be able to take advantage of this opportunity.

I have been recently appointed as the Director Research, Policy and Planning at our new Ministry of Waterways. We had devastating flood during the Easter weekend, which claimed 5 lives and caused massive damage to infrastructure. Having studied in Netherlands and seen the Dutch flood defenses and mitigation, I would like to get in touch with Dutch Foreign Affairs representative to explore options for technical assistance in flood mitigation and flood defenses.

Moreover, being a IHE alumni I would like to foster more hydrological research in Fiji. I would like to explore actions to get a MOU or partnership with IHE DELFT to further such research in Fiji. We are in great need for this and this will surely make difference.

Kindly requesting if you are able to direct me to right people with whom I can discuss this further.

Kind Regards,

Amit

Rotary Fundraising event

- **Date: 7 September 2018**
- **Afternoon Water Workshop** open to potential donors and interested Rotarians from NL and neighbouring countries. The focus will be on managing water projects effectively.
- **Reception** at IHE Delft bar, with background music/entertainment by students / staff

Interested in attending? Contact Laura Kwak (l.kwak@un-ihe.org)

Video on Rotary
IHE Delft
Partnership



