



Strengthening  
the world's  
capacity to  
**monitor  
freshwater**



## Our mission

To develop global capacity to monitor the quality of freshwater in support of environmental assessments at national, regional and global scales.

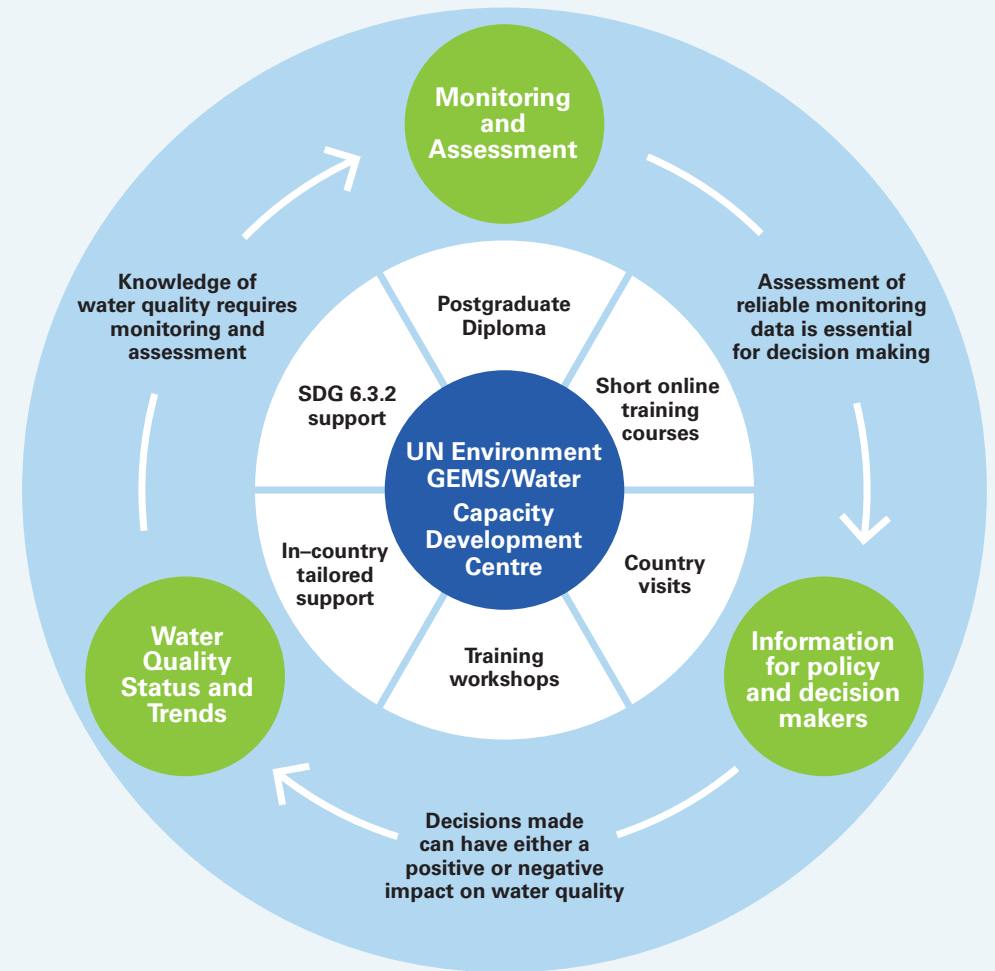
**The UN Environment's global programme for freshwater quality monitoring (GEMS/Water)** was established in the 1970s to encourage the generation and sharing of water quality data that can be used for regional, global and targeted water quality assessment reports.

The GEMS/Water Capacity Development Centre at University College Cork was established in 2015 following a renewed mandate, and will support Resolution 1/9 adopted at the United Nations Environment Assembly in 2014 and Resolution 3/10 in 2017.

There is a lack of freshwater quality data available worldwide.

In addition, many of the less developed countries have neither the capacity to monitor freshwater quality, nor the capacity to assess any data collected. GEMS/Water is now fully positioned to assist developing countries to address this capacity deficit – but additional resources are required to fulfil its mission.

With population growth, climate change and increasing industrialisation leading to deteriorating water quality in many countries worldwide, preserving and improving the quality of freshwater resources is now even more critical to ensure an ample supply of water of sufficient quality to meet global demand.



## 6 CLEAN WATER AND SANITATION



## What we can offer

- Established programme with excellent global reputation
- Courses that are accredited by one of Ireland's top universities
- Access to expert advice and training in freshwater quality monitoring and assessment
- Access to global networks of national contacts through UN Environment and UN Water



## The future

- Grow the intake and global reach of the postgraduate diploma
- Training and specific guidance on implementation of monitoring for Sustainable Development Goal indicator 6.3.2
- Tailor-made training in water quality monitoring, assessment and reporting
- Research and testing of new monitoring approaches based on the latest sensor and information technology
- Series of guidebooks and handbooks in e-format

## How can you help?

- Sponsor students from developing countries to attend the Postgraduate Diploma with targeted bursaries
- Support participants to attend training workshops in their world region
- Partner with the Centre to develop and run new training courses
- Sponsor preparation and publication of guidebooks and handbooks
- Support development and field trials of new monitoring approaches

### Contact details

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