

Water Quality and Monitoring

Briefing to the Committee on Permanent Representatives

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The world's water quality crisis

Key Messages:

- Human activity and population growth put tremendous pressure on the world's freshwater resources.
- There has been a 30% decline in biodiversity health since 1970. Degradation of biodiversity of freshwater ecosystems has particularly dire consequences for fish: more than 40% of freshwater fish species in the United States and Europe were in imminent danger of extinction (Millennium Ecosystem Assessment 2005).
- Pollution through **pathogens, organic matter, chemicals and salinity** are of particular concern – up to 1/3 of all rivers could be affected.
- Pollution threatens human health and ecosystem services.



Water quality and UN Environment's mandate

- Addressing water quality and pollution form a key part of UN Environment's mandate.
- IWQGES mandated by GC Decision 27/3 in February 2013.
- GEMS / Water was strengthened through UNEA Resolution 1/9.



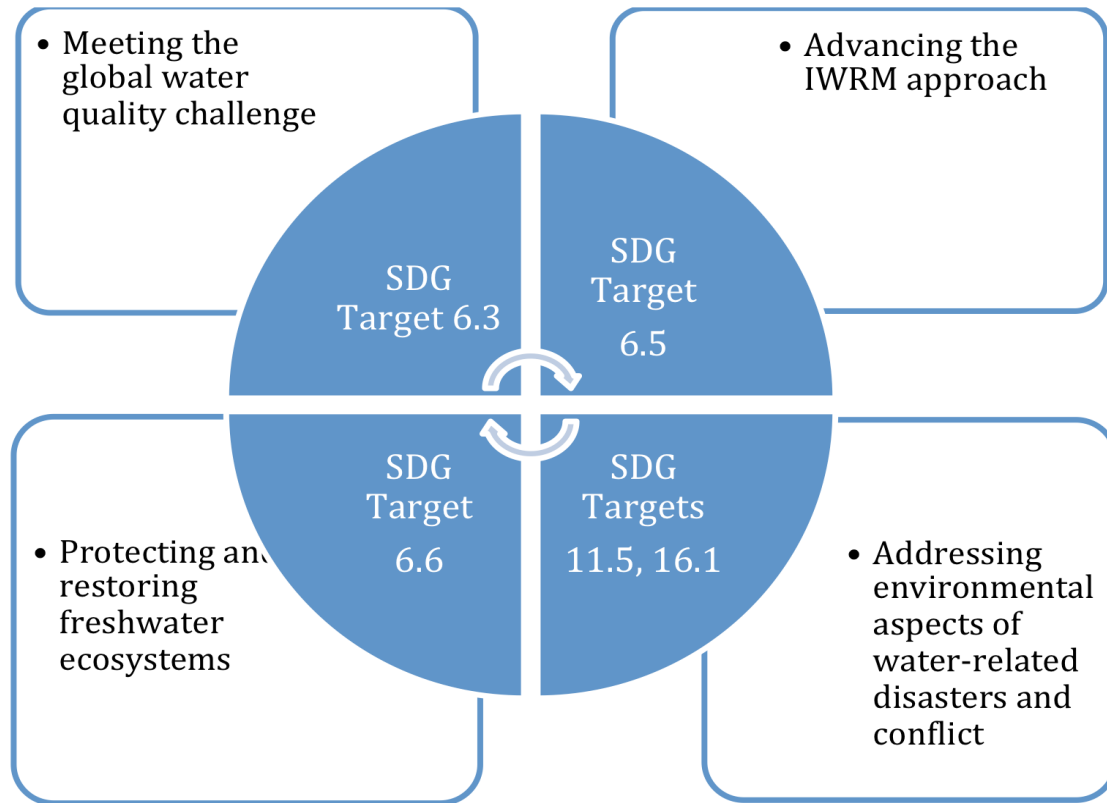
United Nations
Environment Programme

Water quality in the SDG context

- The 2030 Agenda adds an important new mandate and opportunity for UN E
- Under UN-Water, UN Environment is engaged in integrated monitoring and reporting for SDG 6:
www.sdg6monitoring.org
- UN Environment has global custodianship of data collection for indicators in SDG targets **6.3, 6.5 and 6.6** – all connect to water quality.



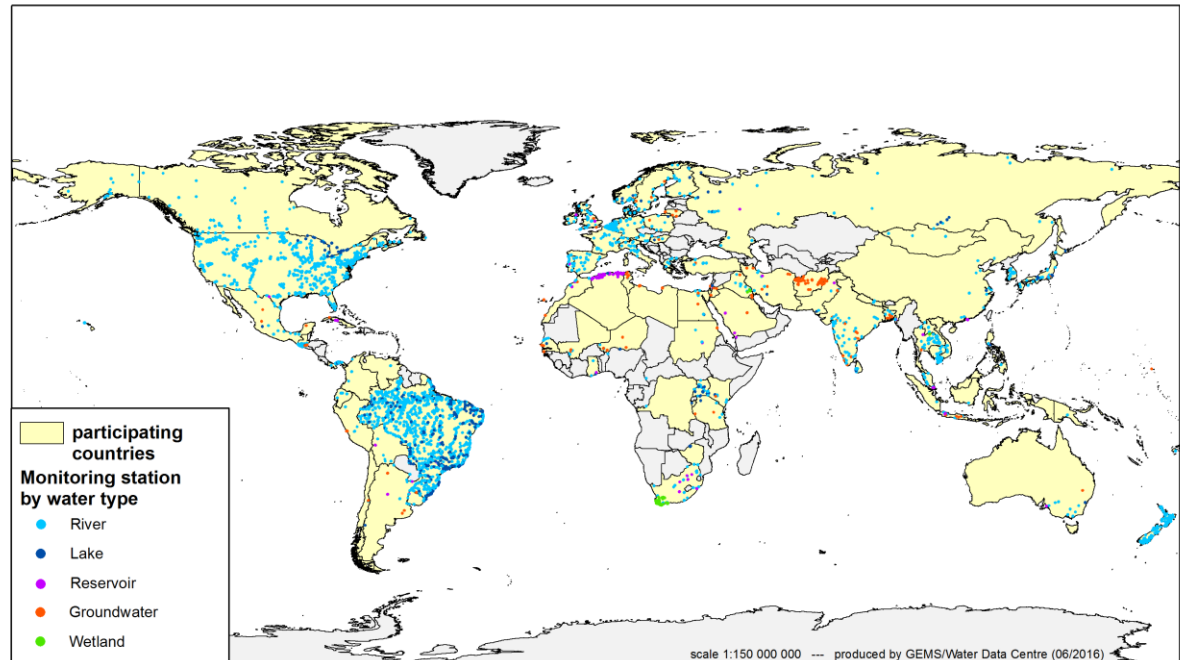
UN Environment Strategic Priorities for Freshwater , 2017 - 2021



About Global Environment Monitoring System GEMS / Water – a global network

A global network
with different
partners engaged
in:

- Capacity development
- GEMStat water quality database
- Water quality monitoring



About GEMS / Water – Capacity development

Menu Glossary

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 - Preparation of Culture Dish
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SDG Indicator 6.3.2

Resources

Faecal Coliform Bacteria: Incubation



www.ucc.ie/en/gemscdc/
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UNEP Water UCC

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About GEMS / Water – Water quality monitoring

- Training and support for ambient water quality monitoring network development and implementation
- Help and advice in selecting target values
- Data handling



6.3: Proportion of **bodies of water** with good

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_9261

