

UN WATER



United Nations
Educational, Scientific and
Cultural Organization



World Water
Assessment Programme



UNESCO Jakarta
Regional Science Bureau for Asia and the Pacific

United Nations
Educational, Scientific and
Cultural Organization



International
Hydrological
Programme

United Nations
Educational, Scientific and
Cultural Organization

Science, Technology and Innovation for ensuring availability and sustainable management of water and sanitation for all (SDG 6)

STI Workshop

Incheon

28 Nov 2017

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THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT





SDG 6

“Ensure availability and sustainable management of water and sanitation for all”

11.5
Disasters

6.4
Water use
and
scarcity

6.3
Wastewater
and water
quality

6.5
Water
manage-
ment

6.a and 6.b
Cooperation
and
participation

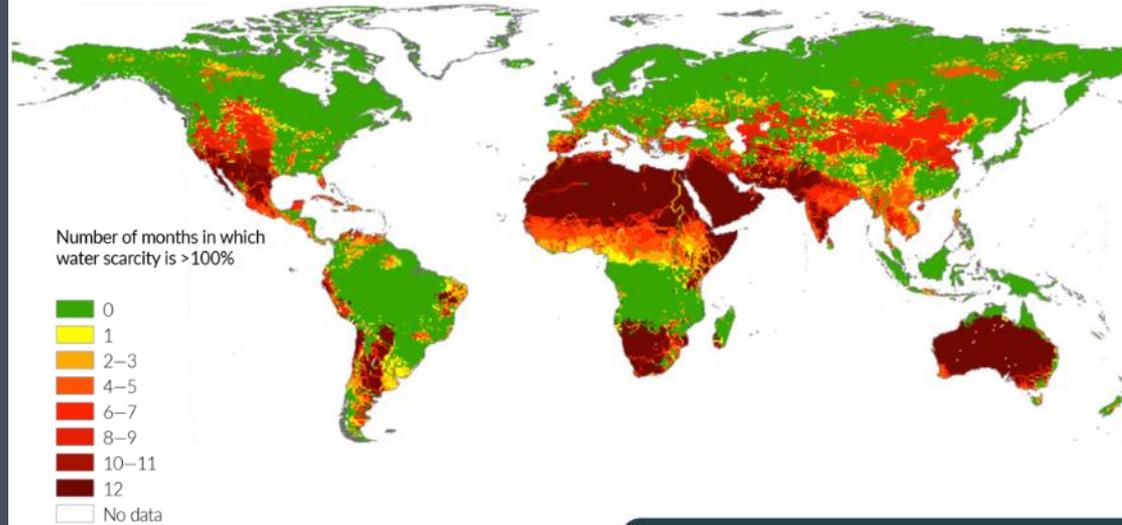
6.2
Sanitation
and
hygiene

6.6
Eco-
systems

6.1
Drinking
water

Water Challenges

Where do we find the solutions...?



Source: Mekonnen and Hoekstra (2016)

Two thirds of the world's population currently live in areas that experience water scarcity for at least one month a year

Waste of a resource that can help offset water scarcity →



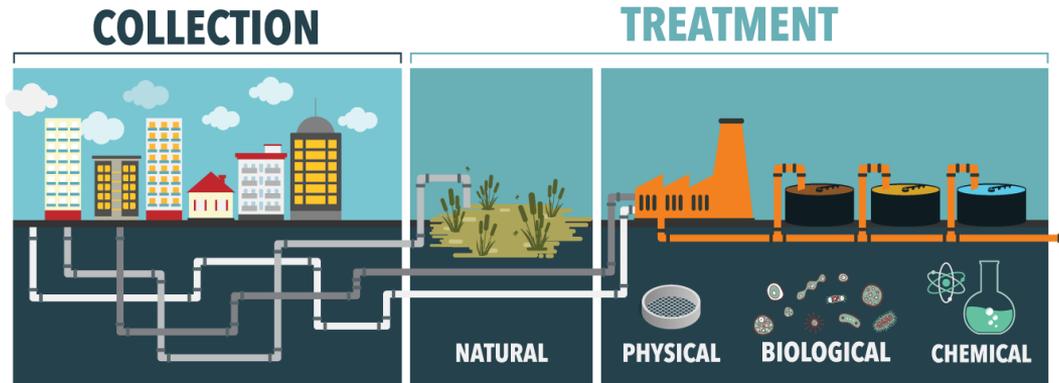


REDUCING or PREVENTING POLLUTION at the SOURCE

Pollution prevention and the minimization of wastewater flows should be given priority over traditional 'after-use' treatment whenever possible



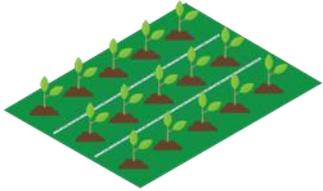
REMOVING CONTAMINANTS from WASTEWATER: COLLECTION and TREATMENT



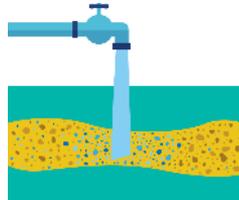
In Brazil, the cost of simplified sewerage (a type of low-cost sewerage) per person has been shown to be half of the cost of conventional sewerage (i.e. US\$170 vs. US\$390)

REUSING WATER

IRRIGATION



AQUIFER RECHARGE



INDUSTRIAL PROCESSES



HEATING/COOLING



POTABLE WATER



Treated ('fit-for-purpose') wastewater is a safe and reliable source of water that can be used to offset water scarcity





REDUCING

REDUCING

REDUCING

REDUCING

Science Technology and
Innovation is part of the
solution.

WATER:

Not a

BURDEN

but a

**VALUABLE
RESOURCE**

See Background paper for SDG 6 related solutions proposed by the
UN-Water Task force on SDG 6 Synthesis Report .

Short and simple questions:

- The role of emerging technologies
- Identifying barriers to scaling up solutions
- Ensure benefits to all of society

...gaps, opportunities, challenges.

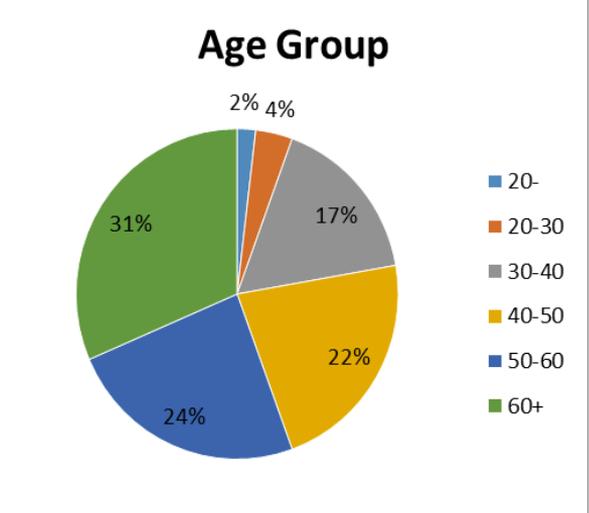
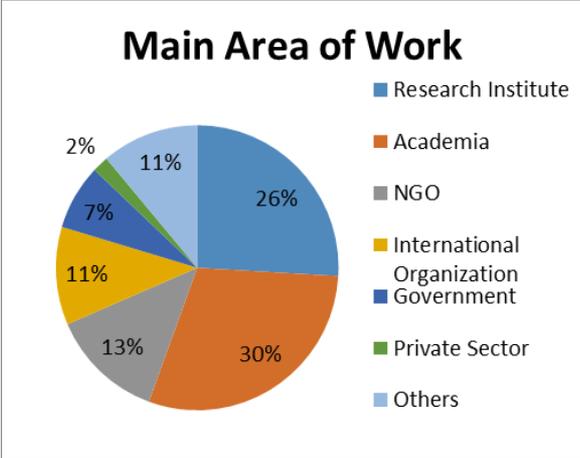
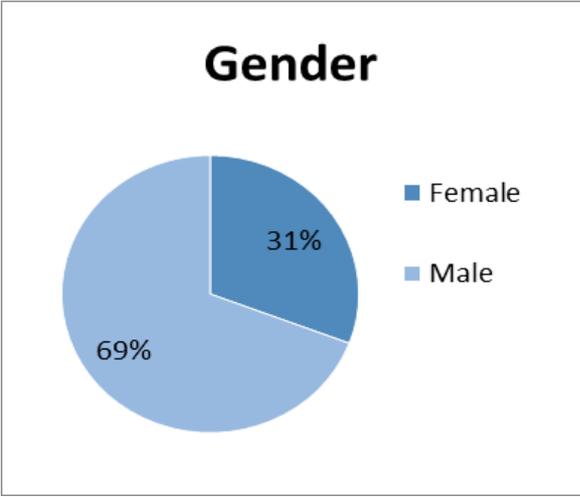
WWAP survey:
STI and SDG6



WWAP survey: STI and SDG6

Questions open in Survey Monkey for 3 weeks

Open-ended questions
that were analysed to
create the categories
you see.

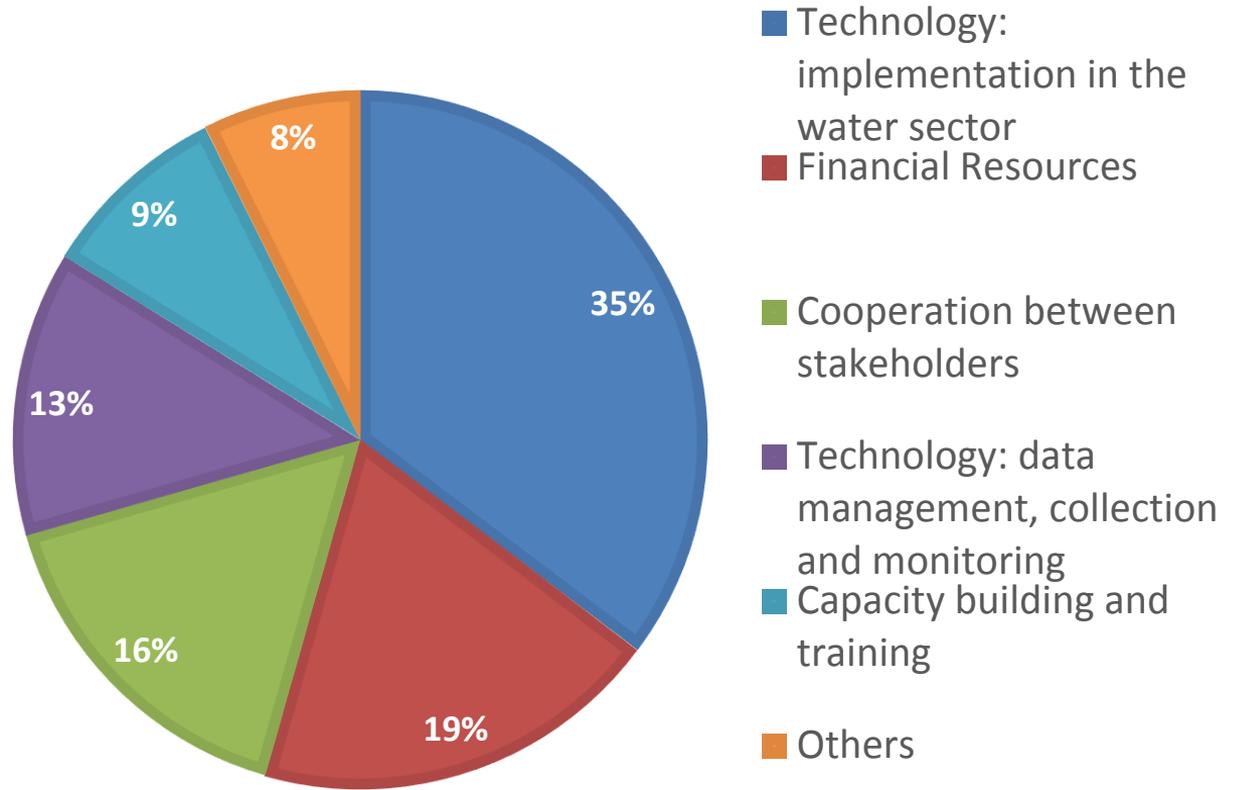


We need to improve
our coverage next
time – for the 2018
STI Forum!

Question 1

STI and SDG 6 GAPS

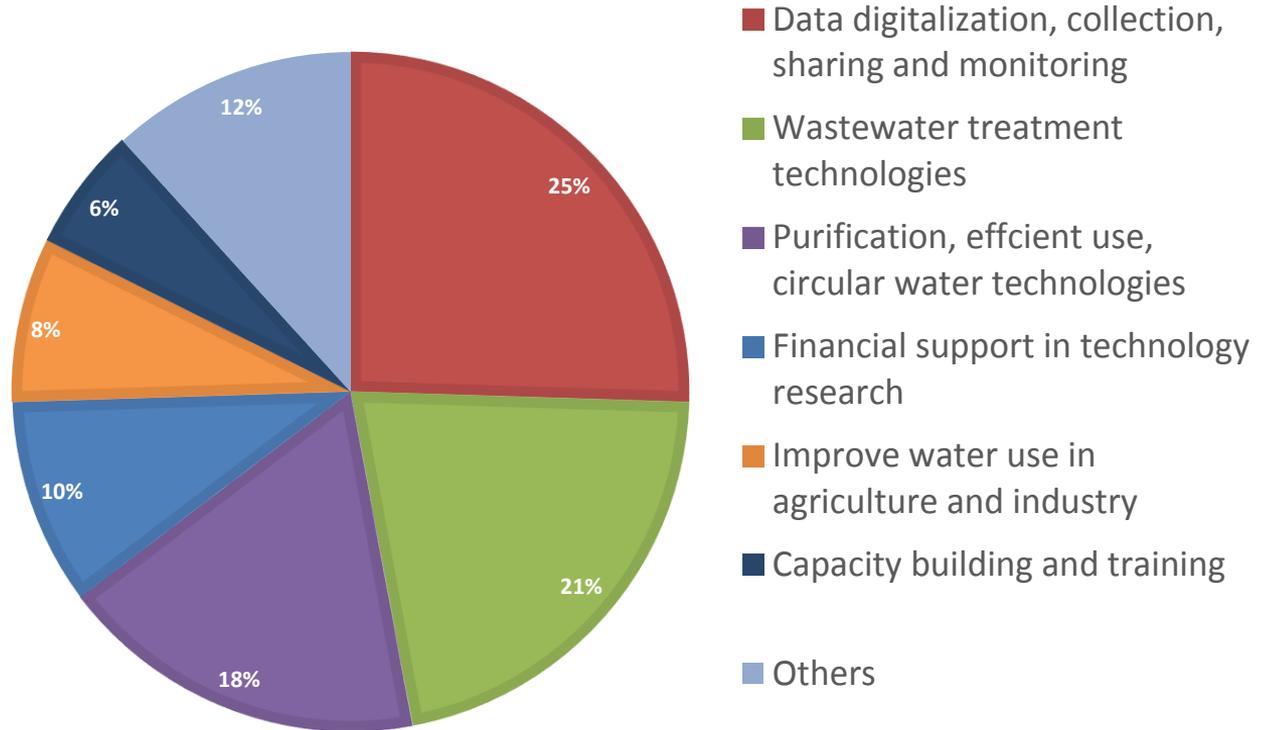
SDG 6 GAPS



Question 2

STI and SDG 6 Opportunities

HOW STI COULD SUPPORT THE ACHIEVEMENT OF SDG 6 - OPPORTUNITIES

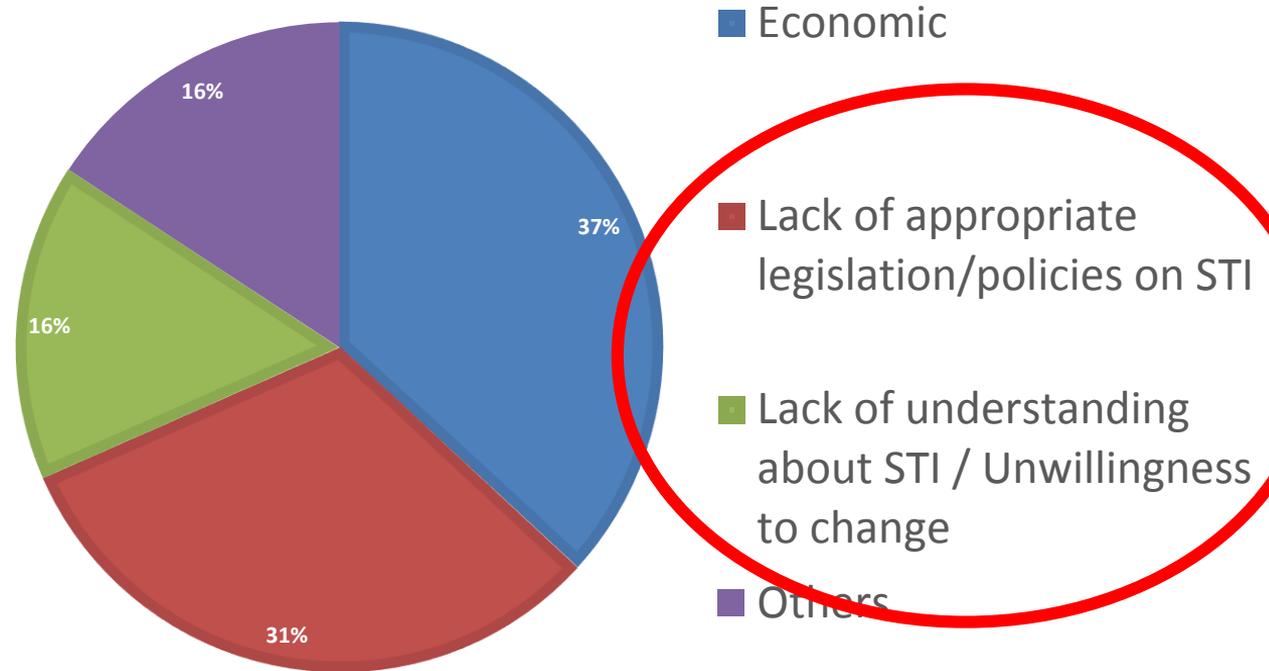


The need of implementation again remains clear...

Question 3

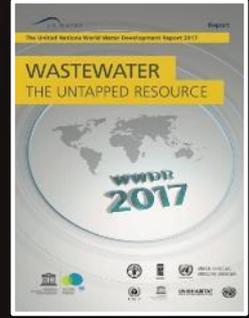
STI and SDG 6 Challenges

MAIN CHALLENGES FOR STI SOLUTIONS TO SDG 6



What is needed to overcome the challenges?

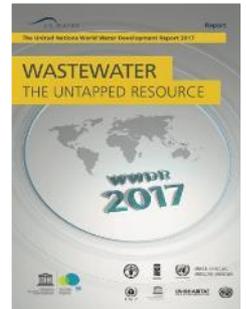
1. SUITABLE LEGAL and REGULATORY FRAMEWORK



What is needed to
overcome the challenges?



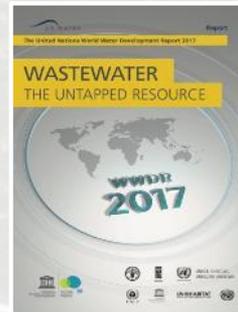
2. COST RECOVERY and APPROPRIATE FINANCING MECHANISMS





What is needed to overcome the challenges?

3. BUILDING CAPACITY and KNOWLEDGE



4.

RAISING PUBLIC and POLITICAL AWARENESS



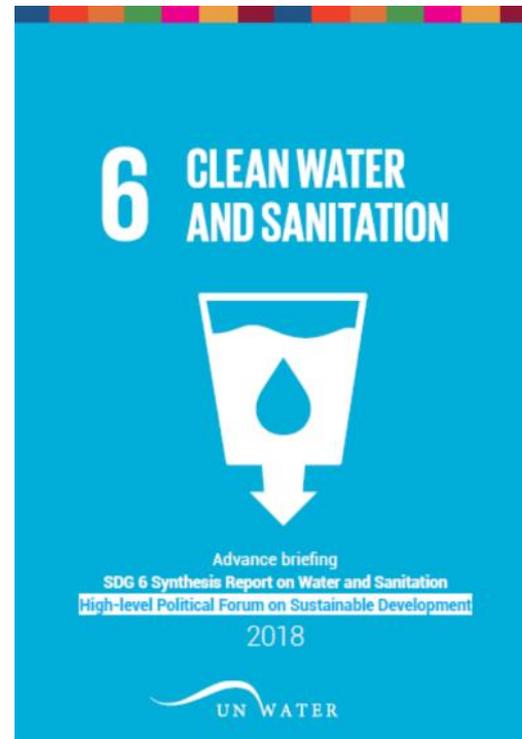
JUNE 2018

SDG 6

Synthesis Report 2018

The one and only report from UN-Water and its 31 UN agencies as members for the HLPF discussion in July and, coordinated by UNESCO-WWAP.

Stefan Uhlenbrook – WWAP, UNESCO
Task force Coordinator



UN-Water Task Force

Members of Task Force include: CEO Water Mandate, FAO, ILO, UNDP, UNECE, UNEP, UNESCO (WWAP), UN-Habitat, UNU, UNICEF, UN-Water TAU, WHO, WMO, World Bank

Data Analysis supported by CDP, PIK, UNESCO-IHP, UNU, ...

SDG 6 Synthesis Report 201



Added Value:

- ✓ United Nations speaking with one voice on SDG 6
- ✓ Avoids a fragmented approach on SDG 6 reporting
- ✓ Analyse data, information and policy linkages between different SDGs

6 CLEAN WATER
AND SANITATION



Objectives

- ✓ Provide the **Global Status of SDG 6**,
- ✓ Explore the **inter/intra-linkages** between SDG 6 and SDG targets and indicators,
- ✓ Provide policy and decision makers with the **‘big picture’** on water and sanitation issues, and
- ✓ Provide **policy recommendations** on the acceleration of SDG 6 in the overall Agenda 2030 context.



SDG 6 Synthesis Report 2018



Structure

1- **Global status** for each SDG 6 target/indicator.



2- Analyzing SDG 6 **intra-linkages**

and its **inter-linkages** within the 2030 Agenda

3- The way forward: **policy recommendations** highlighting the measures to handle the challenges and opportunities.

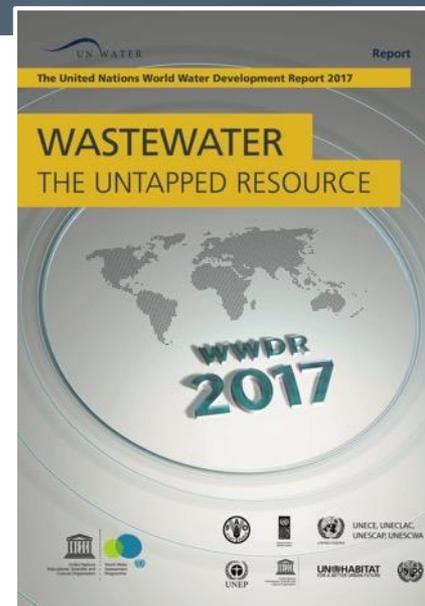
Thank you



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Download the Report at:
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