



World Meteorological Organization

Weather • Climate • Water

RA VI Hydrology Forum 2016

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WMO Secretariat

RA-VI Hydrology Forum - September 21, 2016

RA VI WG-CH

- Established in 2009
- Re-established in 2013
 - Task Team on Regional Climate Centers and Regional Climate Outlook Forum
 - Task Team on Climate Watch System
 - Task Team on Agricultural Meteorology
 - Task Team on Water Scarcity and Drought
 - Task Team on Hydrological modeling, forecasting and warning
 - Task Team on Data Operations & Management
- Next RA VI Session in 2017:



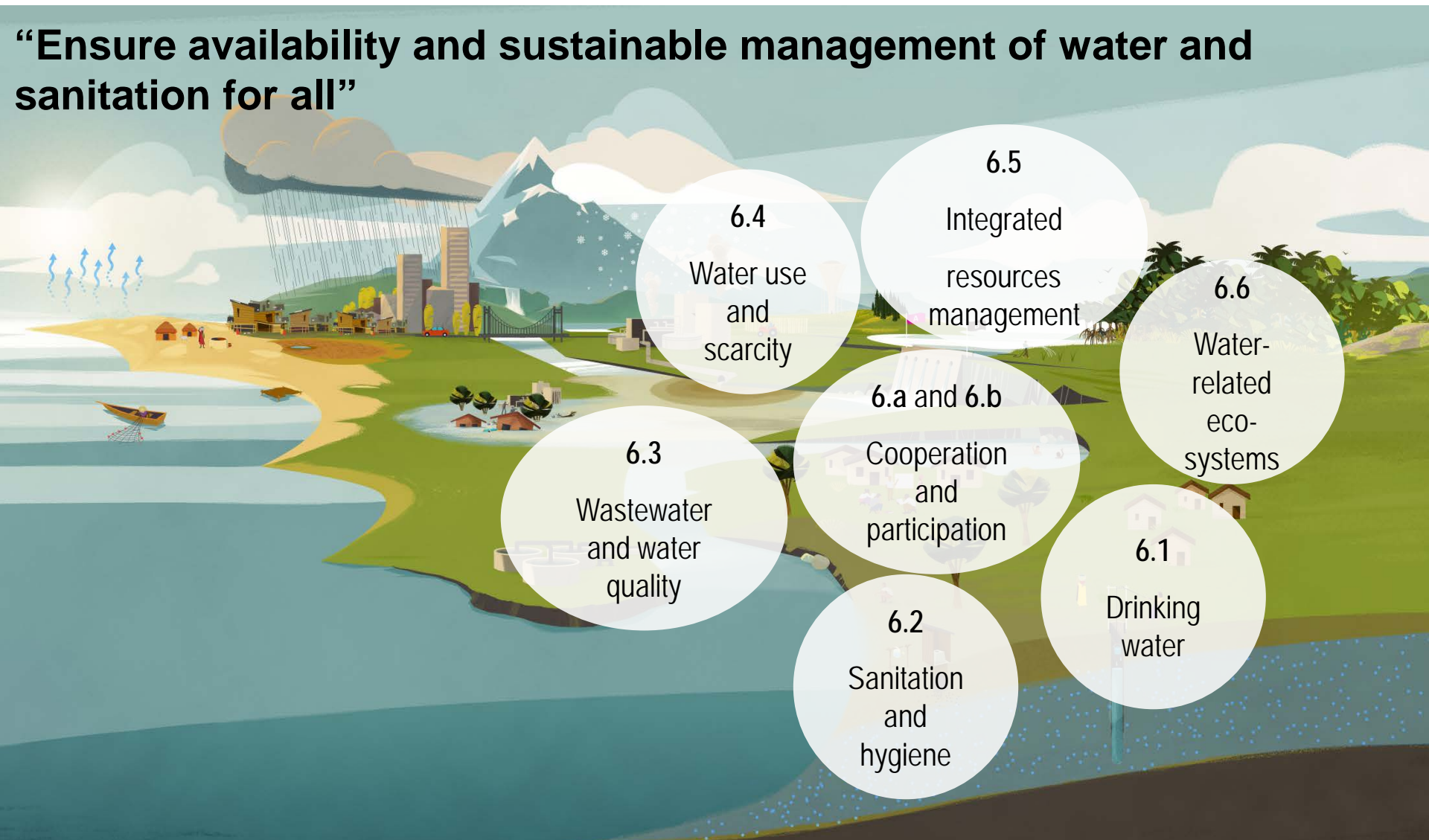
RA VI WG-CH - issues

- How to make the work relevant (Realistic ToR)
- Support from national experts
- Improve interdisciplinary collaboration
- Communicate the outcomes of the work to the Region (e.g climate advisory)



SDG 6 - Global indicators and methodologies

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



6.4
Water use
and
scarcity

6.5
Integrated
resources
management

6.6
Water-
related
eco-
systems

6.3
Wastewater
and water
quality

6.a and 6.b
Cooperation
and
participation

6.1
Drinking
water

6.2
Sanitation
and
hygiene

Millennium Development Goals MDGs

- UN-led
- 8 goals and 21 targets, focusing on poverty reduction
- Primarily relevant to low income countries
- 2 water and sanitation targets under MDG 7 on environmental sustainability
- 3 core indicators on drinking-water, sanitation and water resources used
- Monitoring through household surveys

Sustainable Development Goals SDGs

- Country-led
- 17 goals and 169 targets, focusing on the three pillars of sustainable development
- Relevant to all countries
- 8 water and sanitation targets under SDG 6 + 1 under SDG 11
- 11 + 1 core indicators
- Monitoring by national authorities, feeding into regional and global reporting



Making a case for monitoring

- Data “lifeblood of decision-making and the raw material for accountability”
 - We cannot manage what we do not measure...
 - ...and what gets measured is far more likely to get done
- Credible water sector data will maximize human, financial and natural resource use efficiency:
 - Underpin advocacy and stimulate political commitment
 - Inform decision-making at all levels
 - Trigger well-placed public and private investments
 - Foster learning about best practices
- New technologies improving our capacity to collect, store, analyze, report and share data



SDG 6 global indicators and methodologies

- Global indicators to track progress at the global level – defined to be as useful as possible for as many countries as possible
- To be complemented by national/sub-national indicators as necessary
- 11 indicators consisting of many more components – but many components can be used for several indicators
- Flexible methodologies to allow countries to start at a level in line with national realities, and progressively improve



Target 6.1

Drinking water


“By 2030, achieve universal and equitable access to safe and affordable drinking water for all”

6.1.1 Proportion of population using safely managed drinking water services



Target 6.2

Sanitation and hygiene

An illustration of a rural landscape. On the left, a body of water is visible. In the center, a person is squatting on the ground. To the right, there is a simple wooden latrine structure with a white toilet seat. In the foreground, there is a handwashing station with a wooden frame and a blue container. The background features a large tree and a yellow sun.

“By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations”

6.2.1 Proportion of population using safely managed sanitation services, including a handwashing facility with soap and water

Target 6.3

Water quality and wastewater



“By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally”



6.3.1 Proportion of wastewater safely treated

6.3.2 Proportion of bodies of water with good ambient water quality

Target 6.4

Water use and scarcity



“By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity”

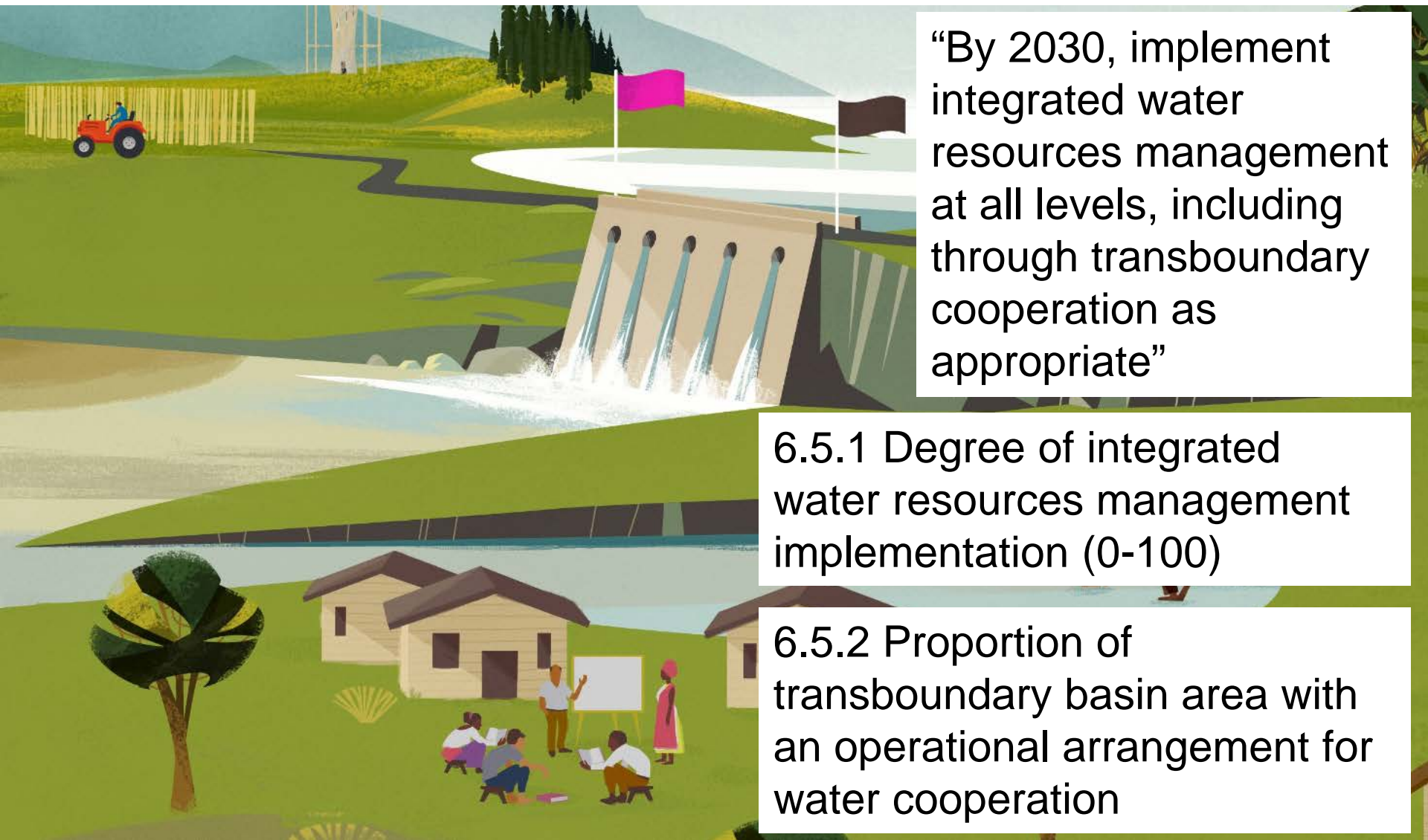


6.4.1 Change in water use efficiency over time

6.4.2 Level of water stress: freshwater withdrawal as a proportion of available freshwater resources

Target 6.5

Water resources management



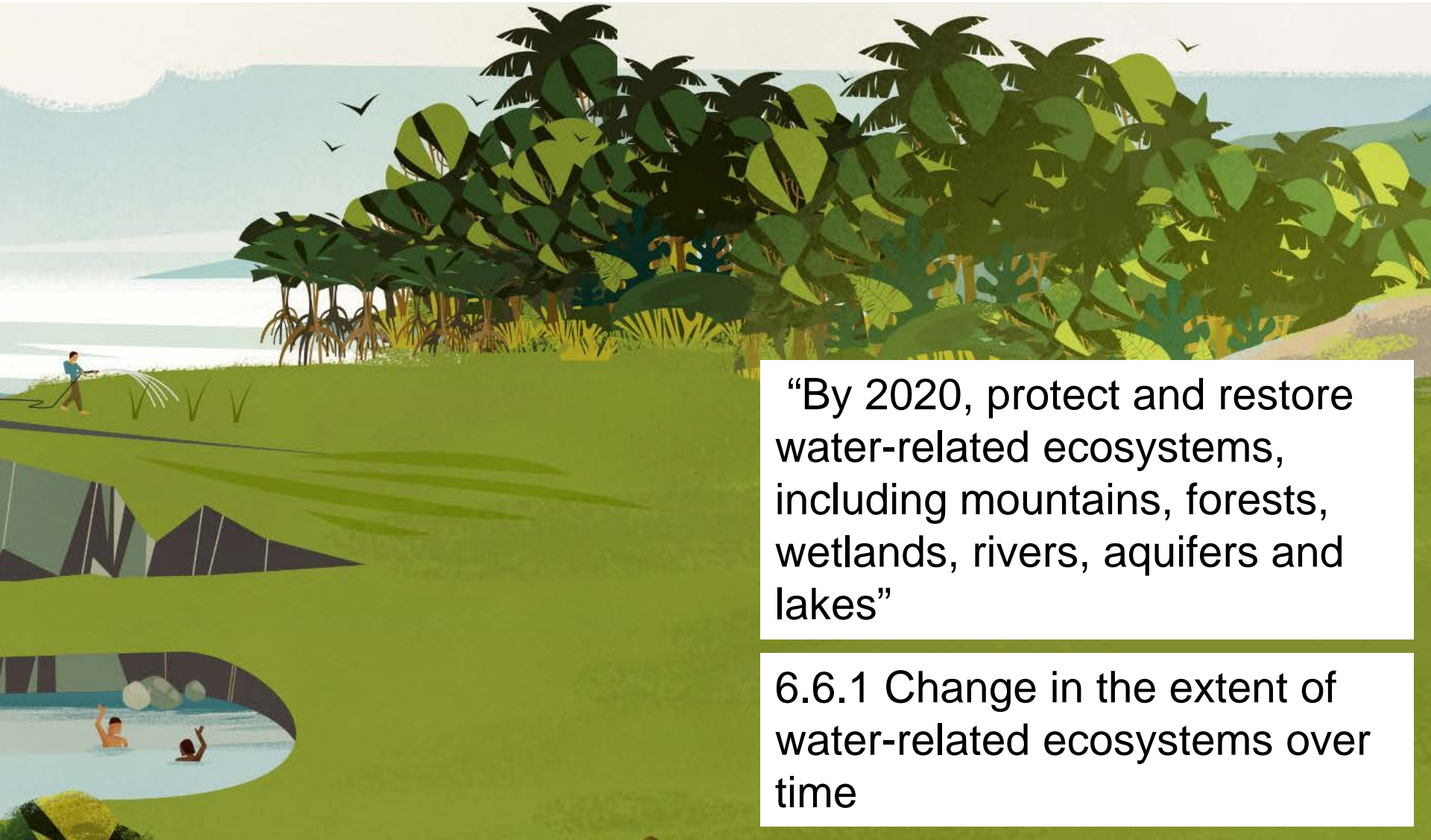
“By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate”

6.5.1 Degree of integrated water resources management implementation (0-100)

6.5.2 Proportion of transboundary basin area with an operational arrangement for water cooperation

Target 6.6

Water-related ecosystems



“By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes”

6.6.1 Change in the extent of water-related ecosystems over time



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Thank you for your attention

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