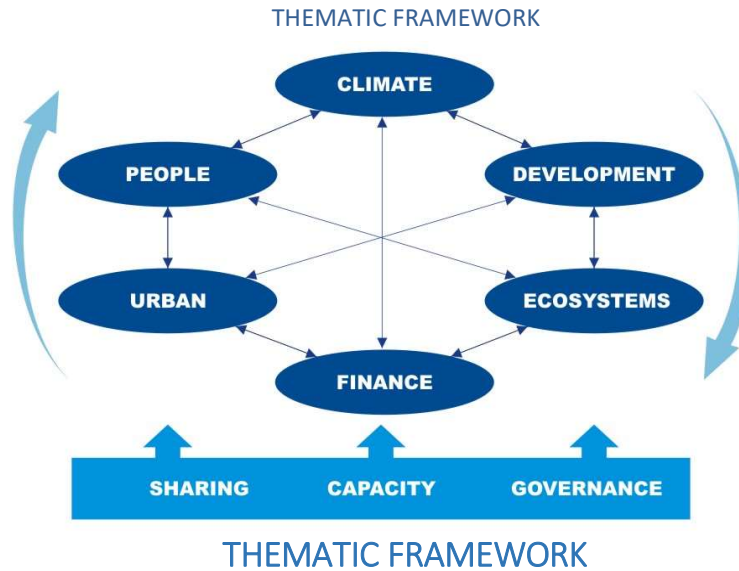


Thematic Process Themes, Topics and Sessions Titles



THEME 1. CLIMATE – Water security and climate change

(SDG links: SDG 13, SDG 11.5, COP 21-22, Sendai DRR Summit)

Topic a. Managing risk and uncertainty for resilience and disaster preparedness – IR 1.3

Session 1 – Uncertainty, vulnerabilities and resilience

Session 2 – Hydro-climatic risk in land planning and management

Session 3 – Addressing hydro-climatic risk of vulnerable communities on a sub-national level.

Topic b. Water and adaptation to climate change

Session 1 – How climate change affects all the different water users: The need for cross-sectoral approaches for adaptation

Session 2 – Innovative financial mechanisms for adaptation to climate change

Session 3 – Do not reinvent the wheel: Making the most of no-regret adaptation measures

Topic c. Water and climate change mitigation

Session 1 – Water and land management contributing to Climate Mitigation targets

Session 2 – Low carbon water services to achieve climate mitigation

Session 3 – Strengthening waterwise management and climate mitigation through integrated policies, regulation and financing

Topic d. Climate science and water management: the communication between science and decision/policy making

Session 1 – Science and Policy: Improving Collaboration at National and Project Scales for Climate-Informed Decision Making

Thematic Process Themes, Topics and Sessions Titles

Session 2 – Citizen science approach in hydro-climate services for achieving the SDGs and global goals

Session 3 – Uncertainty and limitation of science and science communication

THEME 2. PEOPLE - Water, sanitation and health

(SDG links: SDG 6 targets 6.1, 6.2, 6.3, 6.B and SDGs 1 and 3)

Topic a. Enough safe water for all – IR 1.1

Session 1 – SDG6 - Source of Life! Helping Governments to implement the Water Targets

Session 2 – Water as a human right: Implementing sustainable financing and institutional tools and strategies

Session 3 – The Invisible Realities: Safe Water in Slums, Post-Conflict and Post-Disaster Situations, and Other Communities

Topic b. Integrated sanitation for all – IR 1.2

Session 1 – Realizing the human right to sanitation

Session 2 – Whole sanitation approach, sanitation chain, innovation

Session 3 – Putting in place the necessary building blocks to reach Sanitation for All

Topic c. Water and public health

Session 1 – Safe Water: What still needs to be done for the prevention of WASH and waterborne diseases?

Session 2 – Synergies beyond SDG 6: access to safe drinking water, sanitation and hygiene for improved nutrition and public health

Session 3 – Risk communication related to quality of water for human consumption: seeking population's empowerment and the minimization of health risks

THEME 3. DEVELOPMENT - Water for sustainable development

(SDG links: SDG 6 target 6.4 and SDGs 2, 7, 8, 11 and 12)

Topic a. Water for Food - IR 2.1

Session 1 – Soil and Water Conservation Practices for Improved Food Production

Session 2 – Water for food processing: waste reduction, optimization and reuse

Session 3 – Floods, Droughts, Wind, Fire: Building Resilient Agricultural Systems

Topic b. Water for Energy - IR 2.2

Session 1 – Optimizing the water-energy production value chain

Session 2 – Securing water for energy through resilience to global change

Session 3 – Promoting good water governance for sustainable energy production

Topic c. Inclusive and sustainable growth, water stewardship and industry – IR 3.1

Thematic Process Themes, Topics and Sessions Titles

Session 1 – From water use efficiency to stewardship: Is industry aware of its water-related risks and opportunities?

Session 2 – International water stewardship standard

Session 3 – Water allocation: demand management and water availability

Topic d. Efficient use of surface water and groundwater - urban and rural

Session 1 – Efficient use of water through Governance

Session 2 – Efficient use of water as a development inductor

Session 3 – Water-use efficiency and sustainable withdrawals: coping with water scarcity

Topic e. Infrastructure for sustainable water resource management and services – IR 1.4

Session 1 – Multipurpose Water Infrastructure Planning and with Multiple Objectives in Management Units

Session 2 – Improvement of Water Infrastructure Resilience and Sustainability

Session 3 – Universalization of Environmental Sanitation and Urban Drainage Master Plans

THEME 4. URBAN – Integrated urban water and waste management

(SDG links: SDG 6 target 6.3 and SDGs 11 and 14, HABITAT 3)

Topic a. Water and cities – IR 2.3

Session 1 – Design for water - wise cities

Session 2 – Connecting Cities with their Basins for a Water Secure Future

Session 3 – Water Governance and Communication in Cities

Topic b. The circular economy – reduce, reuse, recycle

Session 1 – Reuse and recover resources in urban water management

Session 2 – "Recycling" waters

Session 3 – Promoting circular economy by building an enabling environment

Topic c. Treatment and reuse technologies

Session 1 – Reuse Technologies: Can We Handle Innovation?

Session 2 – Lemons to Lemonade: How Technology is Turning Sludge Management into Opportunity!

Session 3 – One System Does Not Fit All! Navigating the Costs for Urban Water Management

THEME 5. ECOSYSTEMS - Water quality, ecosystem livelihoods and biodiversity

(SDG links: SDG 6 targets 6.3, 6.6 and SDG 15)

Topic a. Managing and restoring ecosystems for water services and biodiversity – IR 3.2

Thematic Process Themes, Topics and Sessions Titles

Session 1 – Balancing water needs for humans and nature

Session 2 – Water basin revitalization for supporting water quantity and quality and human well-being

Session 3 – Sharing information with transparency for better and more effective decisions on management and restoration of water ecosystems

Topic b. Natural and engineered hydrological systems

Session 1 – Wastewater management and multiple benefits arising from nature-based solutions

Session 2 – Implementing natural and engineered solutions – the need for innovative financing

Session 3 – Grey or/and green – Can integrated solutions help to avoid conflicts and facilitate cooperation among users?

Topic c. Water and land use

Session 1 – Urban land and water use: can natural systems thrive in unnatural environments?

Session 2 – Farming for ecosystem services: can farmers save rivers and still make a profit?

Session 3 – Integrated land and water management: focus on the big picture

Topic d. Ensuring water quality from ridge to reef – IR 3.3

Session 1 – Understanding Water Quality from Ridge to Reef

Session 2 – Emerging Policy Solutions to Manage Water Quality from Ridge to Reef

Session 3 – Implementing Technical Solutions to Improve Water Quality at Medium, Small and Micro-scales

THEME 6. FINANCE – Financing for water security

(SDG links: SDGs 6 and 17)

Topic a. Economics and financing for innovative investments – IR 4.1

Session 1 – Financing the ecosystems services dynamics

Session 2 – Broadening the access to financial resources to periurban low-income areas and small scale water services

Session 3 – Sustainable market-based mechanisms and national-regional economics and financing

Topic b. Financing implementation of water-related SDGs and adaptation to climate change

Session 1 – Financing Water Governance

Session 2 – Optimizing existing financial resources to enhance Water Services Sustainability

Session 3 – Exploring synergies between water-related SDGs and the UNFCC Adaptation Agenda.

Thematic Process Themes, Topics and Sessions Titles

Topic c. Finance for sustainable development – supporting water-friendly business

- Session 1 – Financing innovation for water technology and business
- Session 2 – Financing multi-purpose infrastructure for sustainable growth
- Session 3 – Financials cases for water security investments

CROSS-CUTTING ISSUES

THEME 7. SHARING – Sustainability through stakeholder involvement

(SDG links: SDG 6 target 6.b and SDGs 3, 15 and 17)

Topic a. Sharing solutions and good practices

- Session 1 – Multi-stakeholder platforms and practices as a solution to SDG 6' shared challenges
- Session 2 – Sharing technological, social and financial innovations
- Session 3 – Empowering people, developing capacities and sharing information

Topic b. Involving all: public, private, civil society – women and men – young and old - in bottom up and top down approaches

- Session 1 – Participatory Platforms during the Decision Making Process within the Water Sector
- Session 2 – Implementation of Inclusive Policies with the Participation of All Stakeholders
- Session 3 – Involving All Through a Stakeholder Driven Process

Topic c. Water, cultural diversity, justice and equity – IR 4.4

- Session 1 – Fostering new cultures of participation
- Session 2 – Cultures of sharing and the rights of nature
- Session 3 – From water heritage and to water consciousness

THEME 8. CAPACITY - Education, capacity building and technology exchange

(SDG links: SDG 6 target 6.a and SDGs 4 and 17)

Topic a. Enhancing education and capacity building – IR 4.5

- Session 1 – Information and training for decision makers
- Session 2 – Education and training on water are not costs but investments
- Session 3 – Wanted – skilled labour: The urgency to develop water training

Topic b. Science and technology and decision/policy making – 7th World Water Forum S&T Process

- Session 1 – Enhanced capacity building to align Policy with up-to-date Science and Technology

Thematic Process Themes, Topics and Sessions Titles

Session 2 – Preparing policies that release the S&T potential to (better) solve the water crisis

Session 3 – Adapting institutional policies to collaborative water governance: the path to enable S&T and policy dialogue

Topic c. ICT and monitoring

Session 1 – Use of mobile phone technology, sensor technology, remote sensing, drones and modelling in water monitoring and management

Session 2 – Enhancing transparency, accountability and inclusiveness by stakeholders through ICT and capacity building

Session 3 – Open Source and big data for water use efficiency and sustainable management.

Topic d. International cooperation

Session 1 – How to expand support to international cooperation and capacity building to achieve SDG 6?

Session 2 – International Cooperation as key factor to address the Water and Climate Relationship

THEME 9. GOVERNANCE - Water governance for the 2030 Development Agenda

(SDG links: SDG 6 target 6.5, SDG 17)

Topic a. SMART implementation of IWRM - IR 3.4

Session 1 – Transformational IWRM for the 2030 Agenda

Session 2 – Operationalising IWRM Adaptively Across the SDGs

Session 3 – The New Policy Agenda for IWRM

Topic b. Cooperation for reducing conflict and improving transboundary water management – IR 4.3

Session 1 – Managing water across sectors and borders: Institutional frameworks and approaches for efficient transboundary basin organizations

Session 2 – Monitoring, assessment, data and knowledge sharing in transboundary basins

Session 3 – Successful negotiation and implementation of global, regional and bilateral transboundary cooperation agreements

Topic c. Effective governance: Enhanced political decisions, stakeholder participation and technical information – IR 4.2

Session 1 – How to Enhance Multi-Level Water Governance?

Session 2 – How is Water Governance in Your Country? Indicators to Assess Institutional Performance



Thematic Process Themes, Topics and Sessions Titles

Session 3 – What's Your Water Governance Story? Identifying and scaling-up best practice across cities, basins and countries