Summary report of the Roundtable Capacity Development 24 October 2022

11:35 - 13:20

Roundtable 2- Hybrid Format (Conference Room012) - Capacity Development:

moderated by Mr. Abou Amani (Director of Water Sciences Division, UNESCO

- Key speakers:

Mr. Eddy Moors (Rector of IHE Delft Institute for Water Education);

Ms. Lesha Witmer (Women for Water);

Ms Lindsey Blodgett (Former President of World Youth Parliament for Water)

Rapporteur: Mr Anil Mishra (Chief of Section for Hydrological Systems, Climate Change and Adaptation IHP, Division of Water Sciences, UNESCO)

Summary of potential transformative game changers from the capacity development roundtable:

Science for Evidence Based Water Assessment

A global science-based assessment (IPCC model) in line with open science and citizen science is needed to contribute to ensure availability and accessibility of upto-date knowledge addressing the inter-sectoral, systemic, integrative and transdisciplinary nature of the complex and interconnected water challenges.

Partners: IAHS ISU, Water Future UNESCO-IHP, WMO, FAO, UNEP, IAEA

Enhance inclusive education and capacity development

A global system of water training centers and networks for critical mass of a skilled new generation of water technicians and professionals capable of addressing in a holistic, systemic way the complex and interconnected water challenges including considering modern technology and traditional learning to exchange tailored knowledge through formal, non-formal and informal for achieving agenda 2030 and beyond is urgently needed leveraging on digital learning

Partners: IHE, Global Water Future

• Enhance funding mechanism for capacity development

A Funding mechanism is needed for capacity development for ensuring sustainability and reaching out all leaving no one behind building on the demand driven UN-Water Capacity Development Initiative

Partners: IHE, GEF, AF, UN-WATER, UN-DESA, IHP, Water for Women Partnership, Youth Partnership

Develop new Water Culture

A global campaign for a new water culture at all levels for scaling up our level of consciousness about the earth system interdependencies and the complexity and interconnectedness of water challenges across sectors with changing behavior starting at school.

Partners: Water for Women Partnership, Youth Parliament

Opening remark: Dr. Abou Amani, moderator

- Need more science, better education and the capacity to build, transfer and share knowledge.
- Need to develop capacity to transform economies for water, food and energy to support nature, human development and well-being.
- Empower individuals as agents of change at all levels and to enhance institutional capacity to lead the necessary transformation in addressing complex interrelated water challenges within the context of agenda 2030 and beyond.
- A new water culture is needed by scaling up our level of consciousness about the earth system interdependencies and the complexity and interconnectedness of water challenges across sectors.
- The changing mindset should start at primary school with the mainstreaming of water education within school curriculum.
- Availability of critical mass of skilled water technicians and professionals capable of addressing in a holistic, systemic way the complex and interconnected water challenges for achieving agenda 2030 and beyond is urgently needed.
- A global science-based assessment in line with open science and citizen science would contribute to ensure availability and accessibility of up-to-date knowledge addressing the inter-sectoral, systemic, integrative and transdisciplinary nature of the complex and interconnected water challenges.

Key speakers Eddy More: IHE

- international community should guarantee the right to water and sanitation for all and to ensure the availability of resources and resilience, adequate funding and inclusive water governance, as well as to enhance cooperation
- Structure education to vulnerable and least developed which is not covered by formal education, education at all levels is needed to develop such capacity
- Informal education and capacity should be based on local conditions
- funding mechanism should be made available to countries to invest in the development of capacity that is capable to make informed decisions,

Game changer

- create new way of funding to build capacity, partnership including for the non-formal and citizen training
- Science based assessment for decision making
- Societal bonds- enabling countries to use the funds

Ms. Lesha Witmer (Women for Water);

 Capacity building has different format such as formal, non-formal and informal, on job training, peer to peer learning etc

- Capacity development is broad- and it has to be specific based on the format and the audience with tailored content
- Women should have access to training mechanism including in the management processes

Game changer

- There should relevance of knowledge developed so that targeted audience is addressed adequately
- The model should be translated in a language it is easily understood by targeted audience
- Finance should reach to right people at right time

Ms Lindsey Blodgett (Former President of World Youth Parliament for Water)

- Building the capacity and skills of young water professionals is necessary for building their confidence to pursue water related careers, and furthermore to prepare us all for a sustainable water future.
- There is a strong need for building the capacity of our next generation of water leaders, and to address their unemployability as well as their confidence to enter the water sector job market.
- It's an investment that is worth it.

Game changer and commitment:

- The Global Youth Movement for Water, a movement of nearly 200 water and youth organizations, commits themselves as youth for overcoming these obstacles and also calls upon senior water leaders to take action-build the capacity for next generation
- Increase knowledge regarding water related global goals and to support knowledge and opportunities sharing.
- Increase capacity and knowledge in the areas for which change is needed to attain clean water and sanitation for all (including governance, education, transboundary water management, finance, and, cooperation, etc.).

Commitment

- We assume responsibility of our own action to pursue knowledge, we are also calling out to our global water leaders:
- To support the innovative potential of young water leaders by providing them with the necessary education and upskilling to boost their employability and career development.
- We ask for an increasing of capacity-building programs and training for youth, including soft and hard skill programs.
- We ask for an integration and mainstreaming of water and climate knowledge into the educational curriculum;
- We ask for secure information on accessibility and translate relevant information into local languages and dialects.

 And we ask for the promotion of intergenerational mentoring, exchanges and partnerships.

<u>Game changer ideas provided - 2 minutes intervention by speakers from the room and virtual participants :</u>

Prischilla Achapka (Nigeria)

Capacity building should be gender friendly, involve women in the water sector, also in the policy and decision making,

Yasmina Rais El Fenni (Cap-Net)

Alternative capacity development

Capacity development should provide transformational change

Demand driven capacity development

Implement Innovative campus

Specific country need should be considered for identifying knowledge

Yumiko Asayama, Asia Pacific Water Forum/ Japan Water Forum

Political awareness is needed for game changer policy

Capacity building of policy and decision making

Cross regional partnership required

Promote Scientific and indigenous knowledge for climate resilient societies

Promote youth partnership for political awareness

Avneil Dhot, Aquafed

Success of PPs depends on a massive capacity building program.

Valuing Water Initiative Youth Journey Programme

- the problem is recruiting and attracting the best young professionals to the sector

Career Pathways project to produce guidance for employers to set up attractive career paths and opportunities to bring the most talented young professionals into private sector.

Recruitment youth career pathways types of career youth wants, to make opportunity for youth.

Rojer Pulwarty, NOAA

High level conference ministerial platform on drought monitoring be inclusive so that poor and indigenous people are included in tool development

Capacity development between tools and people

Noura kayal, Geneva water hub

training to women and youth needs to be presented in understandable format Water's role in peace building should be considered and support global architectures

Transboundary agreement

Open science and Citizen science should be considered to make available to all

Carmen Cristina (Capriles Flores), WECF

Human rights in local conditions should be emphasized Capacity development should be based on science and data Alternative method of capacity development Evidence based science at the basin level

Elsa Marie DSliva, Red dot Foundation

Water for diplomacy emphasized Engage youth and women and indigenous people for local project

Jin Tanaka UNISC International

Set core standard for young people and identify specific education and training Career path for youths

Frank Winda, International Science Council

Involvement of scientist in the assessment should be prioritized science is unbiased and provides evidence based decision making Science provides solution complex water challenges in cooperation with societal, ecological, local and religious sector Evidence based science is needed

Herbert Nacken Rwth Achen University, Unesco chair

Include involvement of stakeholders in all process including in negotiation virtual and open-source soft waters

Game changer: Use open software and open platform

Noriyuki Mori, ICHARM

Collaboration with all stakeholders

Water related disaster requires intersectoral interdisciplinary training data platform and hands on training should be considered

Guillermo Saavedra, FESAN

Global water partnership is required

Infrastructure based on needs of local meeds

Capacity development to local governments, local community

Berit Arhemimer, IAHS

IPCC model of science-based infrastructure assessment is required to solve fragmented water problem

funding mechanism should link to science-based assessment mechanism like green climate funding.

Paul Presendieu, World Youth Group

Intergenerational knowledge transfer for youth empowerment

Create a youth parliament panel on the outcome of the water Conference

Lilian Daphine UNCCD

Ecosystem based adaptation is required based on stakeholder specific knowledge context.

Nicolas Hunley, Genesis System

Democratization of water solution should be considered

Alternative systems: Vapor capture technology- educating new services on alternative