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33rd SuSanA Meeting

Sunday, 20th August 2023

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Session 1


Stay tuned, grab a coffee, tea & snacks!
We will start soon (9:15-10:00)!

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Opening Plenary: Welcome everyone!

Madeleine Fodge (SEI),
Arne Panesar (SuSanA Secretariat)

Agenda – Session 1 & 2 (9:00 – 13:00 CEST)

Time (CEST)	Session	Presenter(s)
	Session 1 – Short introduction	
9:15 – 9:30	Welcome & round of introduction	Madeleine Fodge (SEI), Arne Panesar (SuSanA Secretariat)
9:30 – 9:45	Presentation of the recent organizational changes related to the implementation of SuSanA 2.0	Charles Niwagaba (GSC SuSanA),
9:45 – 10:00	Q&A	
	Session 2 – Think Tank	
10:00 – 10:50	Topic 1: Hot topics and thematic priorities for SuSanA 2023-2024	Kala Vairavamoorthy (IWA), Arwa Abelhay (GSC SuSanA)
10:50 – 11:20	Coffee & Tea Break 	
11:20 – 12:10	Topic 2: Key sector challenges that SuSanA could help to address	Martin Gambrill (World Bank), Gina Itchon (GSC SuSanA)
12:10 – 13:00	Topic 3: SuSanA joint position and key messages to the SDG mid-term review and beyond	Kate Medicott (WHO), Dorothee Spuhler (GSC SuSanA)
13:00 – 14:00	Lunch break at SEI (vegetarian wraps)	

Agenda – Session 3 (14:00 – 15:15 CEST)

Time (CEST)	Session	Presenter(s)
	Session 3 - Thematic Presentations „Hot topics“	
	Theme 1: New approaches to WASH awareness	
14:05 – 14:15	Let’s talk Period campaign in Albania: Advocacy through social media and influencer testimonials	Fatma Haxhialiu (Goodwill ambassador)
14:15 – 14:25	Dance4WASH a new approach: WASH it, Shake it, Break it and Make it for SDG6	Belinda Abraham (Viva con Agua)
	Theme 2: Strengthening the Sanitation workforce: Advancing gender, youth and social inclusion	
14:25 - 14:35	Setting the scene: Promoting Gender Equality through SuSanA	Chaiwe Sanderse (SuSanA Africa Chapter)
14:35 – 14:55	Enhancing Gender Equality and Social Inclusion in WASH and the WASH workforce	Joanna Mott (Water and Women Fund), Talajeh Livani (World Bank)
14:55 – 15:05	The RWSN mentoring programme - strengthening the water & sanitation workforce, with a focus on young people and women	Sean Furey (RWSN)
15:05 – 15:15	IWA Young Water Professionals	Ines Breda (IWA YWP)

Agenda – Session 3 (15:15 – 17:00 CEST)

Time (CEST)	Session	Presenter(s)
	Session 3 - Thematic Presentations „Hot topics“	
	Theme 3: Sanitation and Climate	
15:15 – 15:25	Working towards a visualisation tool for GHG emission from sanitation	Prit Salian (GIZ/i-san)
15:25 – 15:30	Climate Resilient Sanitation - a call to action and coalition	Kate Medlicott (WHO)
15:30 – 15:35	Incorporating climate resilience into global monitoring and tools	Kate Medlicott (WHO)
15:35 – 15:45	How can sanitation reduce carbon emissions – and will this bring money?	Remi Kaupp (CBSA)
15:45 – 15:55	MOSAN – Sanitation, Biochar, Soil and Climate	Mona Mijthab (MOSAN)
15:55 – 16:15	Coffee & Tea Break ☕	
16:15 – 17:00	Theme 4: Sanitation and Resource Recovery	
7 minutes	Ecological Sanitation – Can feces feed the world?	Katie Allen (University of Leeds)
7 minutes	Food Security through Satellite Farming	Sunday Andrew Opoke (Succour City Foundation)
7 minutes	Resource Recovery Toolbox - an online platform for making resource recovery tools more discoverable and accessible	Daniel Ddiba (SEI), Linus Dagerskog (SEI)
7 minutes	Presentation of Va-Loo: A network for promoting resource-oriented sanitation systems in Switzerland	Dorothee Spuhler (Eawag-Sandec / Va-Loo)
7 minutes	Wastewater reuse in Jordan – making the most of a precious asset	Mintje Bührma - GIZ

Agenda – Part 4 (17:00 – 18:00 CEST)

Time (CEST)	Session	Presenter(s)
	Session 4 – SuSanA Updates	
17:00 – 17:20	SuSanA Updates	Daphne Manolakos (SuSanA Secretariat), Rohini Pradeep (GSC SuSanA)
17:20 – 17:40	Regional Updates	Hadeel Al Qatamin (SuSanA WANA chapter), Lourdes Valenzuela (SuSanA Latin America Chapter), Nitya Jacob (SuSanA India Chapter), Sareen Malik (SuSanA Africa Chapter)
17:40 – 17:50	SuSanA Forum	Chaiwe Sanderse (SuSanA Forum), Elka Villarroel (SuSanA Forum)
17:50 – 17:55	Way Forward	Charles Niwagaba (GSC SuSanA) Dorothee Spuhler (GSC SuSanA)
17:55 – 18:00	Closing	Madeleine Fodge (SEI), Arne Panesar (SuSanA)
18:00 – 19:00	Mingle at SEI (snacks and refreshments)	
19:30 – 21:00	Joint evening at the Djurgårdsbron/sjöcafet restaurant	

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Presentation of the recent organizational changes related to the implementation of SuSanA 2.0

Charles Niwagaba - GSC SuSanA
Dorothee Spuhler- GSC SuSanA



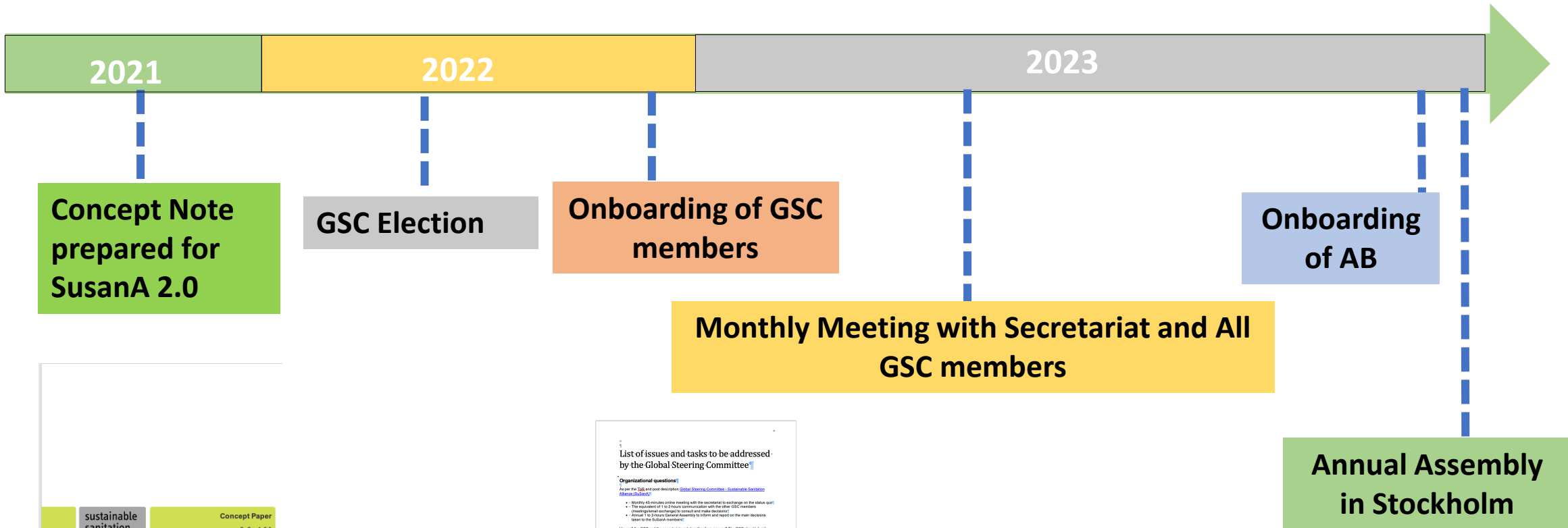
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1st SuSanA Annual Assembly Meeting
Stockholm 20.08.2023
Updates from the GSC

Introduction of GSC members



What happened so far



List of issues and tasks to be addressed by the Global Steering Committee

Organizational questions

As per the 2021 and 2022 reports: [Global Steering Committee - Sustainable Sanitation Alliance \(SuSanA\)](#)

- Identify AS milestones to be met with the secretariat to exchange on the status and
- The equivalence of 1 to 2 hours correspondence with the other GSC members
- Finalize the secretariat to be elected and made decisions
- Annual 1 to 2 hours General Assembly to inform and report on the main decisions taken in the Global Steering Committee

How will the GSC and the secretariat work together from now on? The GSC should decide on its internal processes beyond these meetings and inform the secretariat on these.

Decisions to be taken

A selection on pending/covering discussions and decisions points to given below:

Issue	Resolved	Open	Key/Action
Completing implementation of the Concept Paper			Continuing the work required to complete the Concept Paper. The secretariat will continue to work on the implementation of the Concept Paper. The secretariat will continue to work on the implementation of the Concept Paper.
Change of the secretariat of the Secretariat			Finalize the secretariat of the Secretariat. The secretariat will continue to work on the implementation of the Concept Paper.
Financial sustainability of the Alliance			Finalize the financial sustainability of the Alliance. The secretariat will continue to work on the implementation of the Concept Paper.
Implement non-financialing structure			Implement the non-financialing structure. The secretariat will continue to work on the implementation of the Concept Paper.
Complete composition of GSC			Complete the composition of the GSC. The secretariat will continue to work on the implementation of the Concept Paper.

First GSC/secretariat F2F annual meeting!



- 16.-20. August 2023
- Stockholm Environmental Institute (SEI), Stockholm
- Three days including online meetings with forum moderators and regional chapter coordinators

	Day 0	Day 1
9.00		Secretariat & Anwa on-boarding
10.00		revisit /review concept paper
11.00		prioritising issues & tasks
12.00		Preparing Exchange Calls
13.00		Exchange with Forum Moderators
14.00	Welcome	Exchange with Regional Chapters
15.00	Introductions & Expectations	Planning Day 2
16.00	Objectives & Agenda	
17.00		
18.00		

	Day 2	Day 3
	strategy for resource mobilisation	membership structure finetuning
		summary and next steps
11.00	common understanding of "Hosting"	
12.00	deciding on meeting documentation & planning day 3	
13.00	Charles welcome & on-boarding	
14.00	preparing AB-meeting	
15.00	preparing SuSanA meeting	
16.00	preparing Network Circle Meeting	
17.00		
18.00		

Some impression



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Concept Paper
SuSanA 2.0

Title	Concept Paper: Membership, Governance & Structure SuSanA 2.0
Published by	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH in support with CMTF and Como Consult GmbH
Authors	Celia Bedoy del Olmo, Desinder Kapur, Francis de los Reyes, Lara Nassar, Leonie Kappauf, Madeleine Fogde, Maureen Amakabane, Shobana Srinivasan ¹ Jana Marie Mehrtens, Richard Bennett ²
Contact	The Secretariat of the Sustainable Sanitation Alliance Located at: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Dag-Hammarskjöld-Weg 1-5 65760 Eschborn, Germany info@susana.org
Date	01.11.2021

List of issues and tasks to be addressed by the Global Steering Committee

Organizational questions

As per the ToR and post description [Global Steering Committee - Sustainable Sanitation Alliance \(SuSanA\)](#)

- Monthly 45-minutes online meeting with the secretariat to exchange on the status quo
- The equivalent of 1 to 2-hours communication with the other GSC members (meetings/email exchange) to consult and make decisions
- Annual 1 to 2-hours General Assembly to inform and report on the main decisions taken to the SuSanA members

How will the GSC and the secretariat work together from now on? The GSC should decide on its internal processes beyond these meetings and inform the secretariat on these.

Decisions to be taken

A selection on pending/upcoming discussion- and decision-points is given below:

Items	relevance	urgency	complexity	Remarks / Suggestions
Completing implementation of the Concept Paper				<i>Continuing the work begun by CMTF and ISC</i>
Change of the host organization of the secretariat	***	**	***	When? How? Secure funds before? Which organisation? Develop scenarios? Decide on next steps and the selection process
Develop financial sustainability of SuSanA	***	**	***	Explore with BMZ on potential for future funding (post 06/2024) and on support for identifying an additional funding Donor and/or new host; Continue and further enlarge the existing or set up a new donor task force? Engage donor task force to raise resources from BMZ and other donors?
Implement new membership structure	***	*	***	Give individual members option of full membership or subscriber status; Decide on the requirements and terms & conditions of being a full member versus a subscriber; Decide whether/yes how much for membership fees/contributions; implement the "Organizational member status" (considering the feedback from the 12th SuSanA mtg @ Stockholm 2022)
Complete composition of GSC	***	*	***	Ensure organisational members are selected (once membership structure is in place). Decide on

Stand: 11

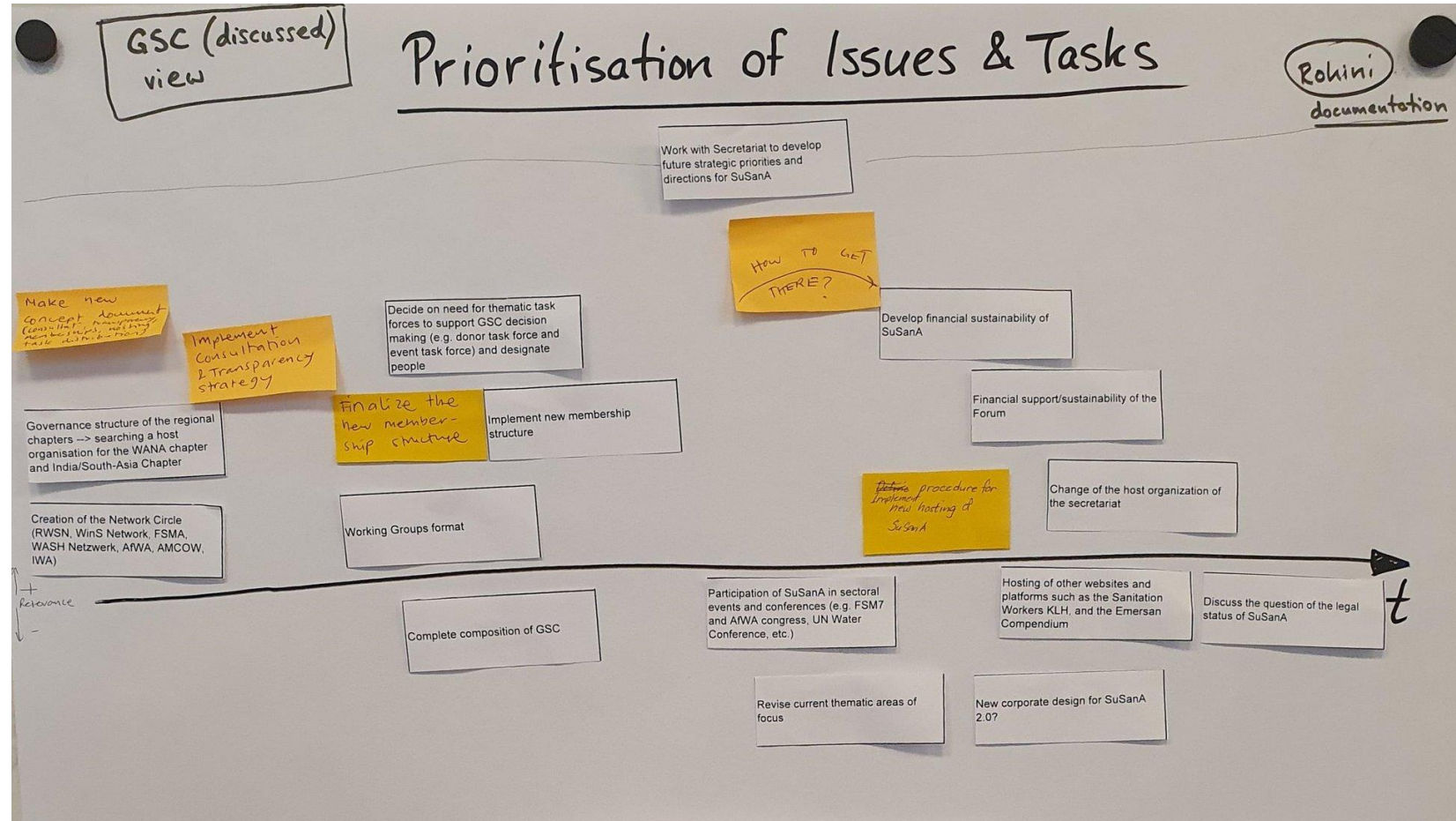
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Main outcome



SuAnA Bylaws



Decisions taken: highlights

Decision making

- Annual Assembly as the SuSanA General Meeting (in Stockholm)
- Creation of "SuSanA-Bylaws"
- AB to help in orienting the network strategically and help ensure financial sustainability

Strategic orienta- tion

- Updates of TOR to include strategy oversight and guidance
- **GSC rules and responsibilities and terms of references can only be changed if 2/3 of the members present during the AA approve these changes.**
- Advocacy to be added to the purpose statement again.

Decisions taken: highlights

Regional chapters

- Redefinition of the regional chapters and as a separate entity the regional-electorate
- Clear set of roles and responsibilities and TOR for the RC coordinator and host
- Develop RC support system
- Clear channels for communication and information exchange btw. RCs/RC host/secretariat/GSC.

Member-ship structure

- **No distinction between active members and subscribers!**
- Incentives for activism instead of penalties for passivism
- Organisational members: options for sponsoring and secondments

Decisions taken: highlights

Resource mobili- sation

- Need for a “donor”/“resource mobilisation” **task force**
- That will actively **support members** submitting proposals for products or initiatives
- Look at options for SuSanA “management overheads” for initiatives
- Develop concept for **host scenarios** and arrangements with organisational members

Hosting arrange- ments

- Key reasons for migration are to:
 - increase flexibility (e.g. to reply to calls, reception of funds)
 - in general diversification of resource flows
 - distribution of responsibilities and workload
 - diversification of membership; and not the dependence on BMZ base funding
- Task force to prepare a concept note **summarizing options and opportunities**

Forum

- The forum is well-accepted and has very strong credibility, it should therefore be maintained.
- Task for to look into opportunities to make it ready for the next generation of knowledge exchange



Thank you!



33rd SuSanA Meeting

Sunday, 20th August 2023

Session 2

Think Tank (10:00-13:00)

Agenda – Session 2 (10:00 – 13:00 CEST)

Time (CEST)	Session	Presenter(s)
	Session 2 – Think Tank	Charles Niwagaba
10:00 – 10:50	Topic 1: Hot topics and thematic priorities for SuSanA 2023-2024	Kala Vairavamoorthy (IWA), Arwa Abelhay (GSC SuSanA)
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13:00 – 14:00	Lunch break at SEI (vegetarian wraps)	

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Topic 1: Hot topics and thematic priorities for SuSanA 2023-2024

Kala Vairavamoorthy - IWA
Arwa Abelhay - GSC SuSanA



Time for Coffee and Tea
(30 minutes Break)

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Topic 2: Key sector challenges that SuSanA could help to address

Martin Gambrill - World Bank
Gina Itchon - GSC SuSanA

Key Sector Challenges that SuSanA could *should!* help address

Martin Gambrill

*SuSanA 33rd Meeting
Stockholm, August 20th, 2023*

SDG 6

6 CLEAN WATER
AND SANITATION



Ensure availability & sustainable management of water & sanitation for all

- **Target 6.2:** By 2030, achieve **access to adequate and equitable sanitation & hygiene for all** and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations
- **Target 6.3:** 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 (***domestic and industrial wastewater safely treated; bodies of water with good water quality***)
- **Target 6.4:** 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
- **Target 6.6:** By 2020, **protect & restore water-related ecosystems**, including mountains, forests, wetlands, rivers, aquifers and lakes

Urban Sanitation: the Hardest, and Costliest, Nut to Crack



The Link Between Sustainable Sanitation & the other SDGs

Sanitation is a basic service and a prerequisite for escaping the poverty trap

Poor sanitation, malnutrition and stunting are linked; safe reuse of sanitation byproducts increases crop yields

Sanitation protects and promotes human health by breaking disease cycles

Sanitation is essential to safe education facilities

Sustainable sanitation reduces gender disparities at home and in public facilities

Sanitation byproducts as alternative fuels for industry, cooking and lighting

Some steps in the sanitation service chain generate opportunities for micro, small, and medium-sized enterprises

Sustainable sanitation requires capacity development at all levels, including of local communities in sanitation management

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



SUSTAINABLE SANITATION

17 PARTNERSHIPS FOR THE GOALS



Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



Water and sanitation systems are basic infrastructure required for any industrial development

Sanitation is one of the basic urban services and required to provide a clean and livable environment

Sustainable sanitation systems can contribute to the efficient use of natural resources and reduced waste production

Sustainable sanitation systems can be climate-resilient; improved waste resource recovery and management are important climate-mitigation strategies

Sustainable sanitation reduces marine pollution and contributes to conservation and restoration of terrestrial ecosystems

Basic services such as sanitation for all are important pillars for equality, social justice and a peaceful society

Sustainable sanitation requires international cooperation and developing partnerships in sanitation-related activities

Urban Sanitation and...

- ***Basic services: improving dignity & quality of life***
 - ***Reducing public health risks: chronic diseases & pandemics***
 - ***Tackling environmental pollution: freshwater & marine water quality***
 - ***Climate change: mitigation & adaptation/resilience***
 - ***Water-secure / water-wise / water-sensitive cities / IUWM***
 - ***Urban development / urban upgrading / integrated services***
 - ***Circular economy thinking***
 - ***Others...***
- ...tradeoffs, complementarities,
unintended consequences***

The World Bank's Water Strategy



TOO MUCH

Since 1995, flooding has accounted for nearly half of weather-related disasters worldwide, affecting 2.3 billion people



TOO LITTLE

About 60% of the world population lives in water-stressed basins, and drought affects about 55 million people annually



TOO POLLUTED

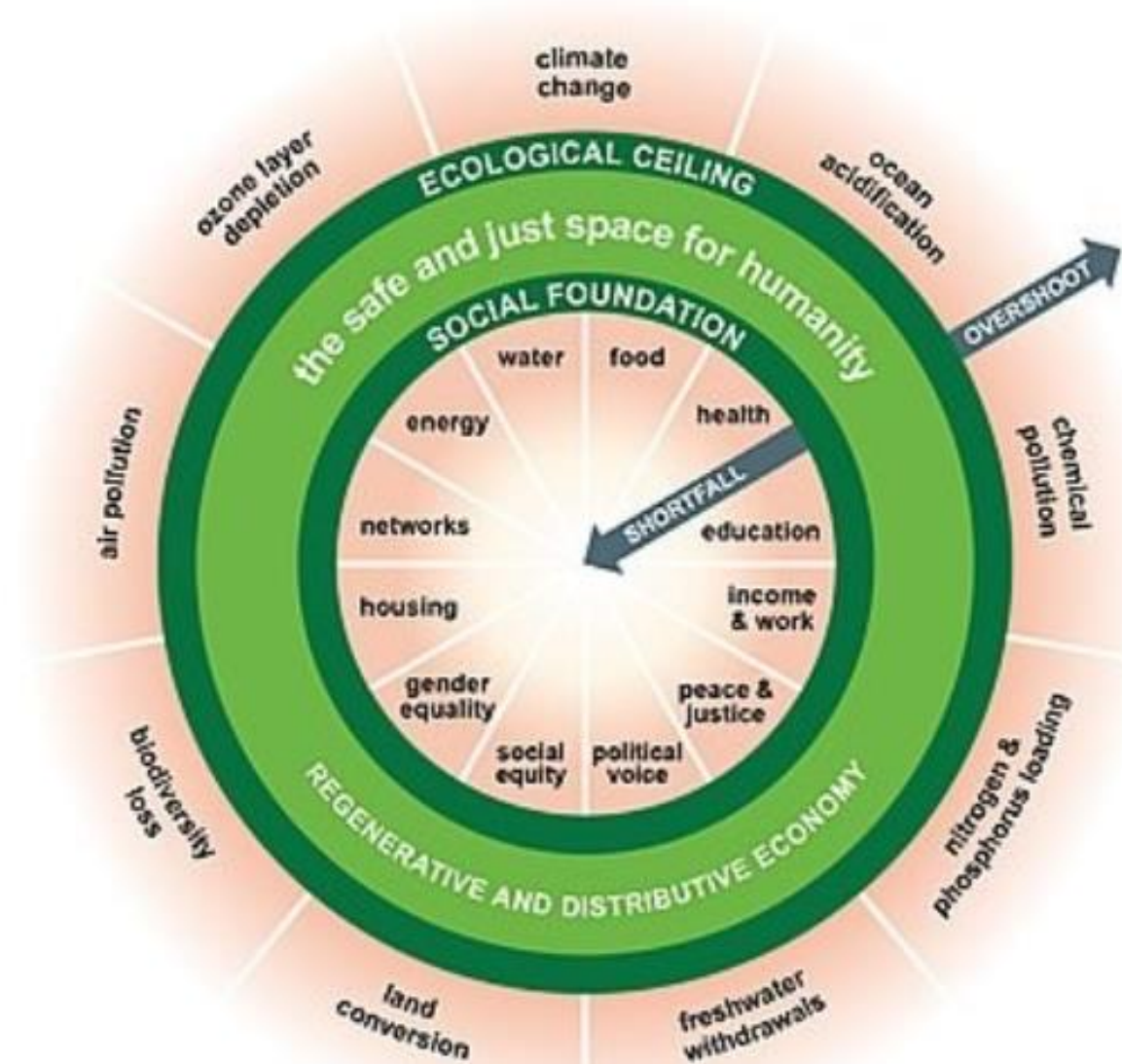
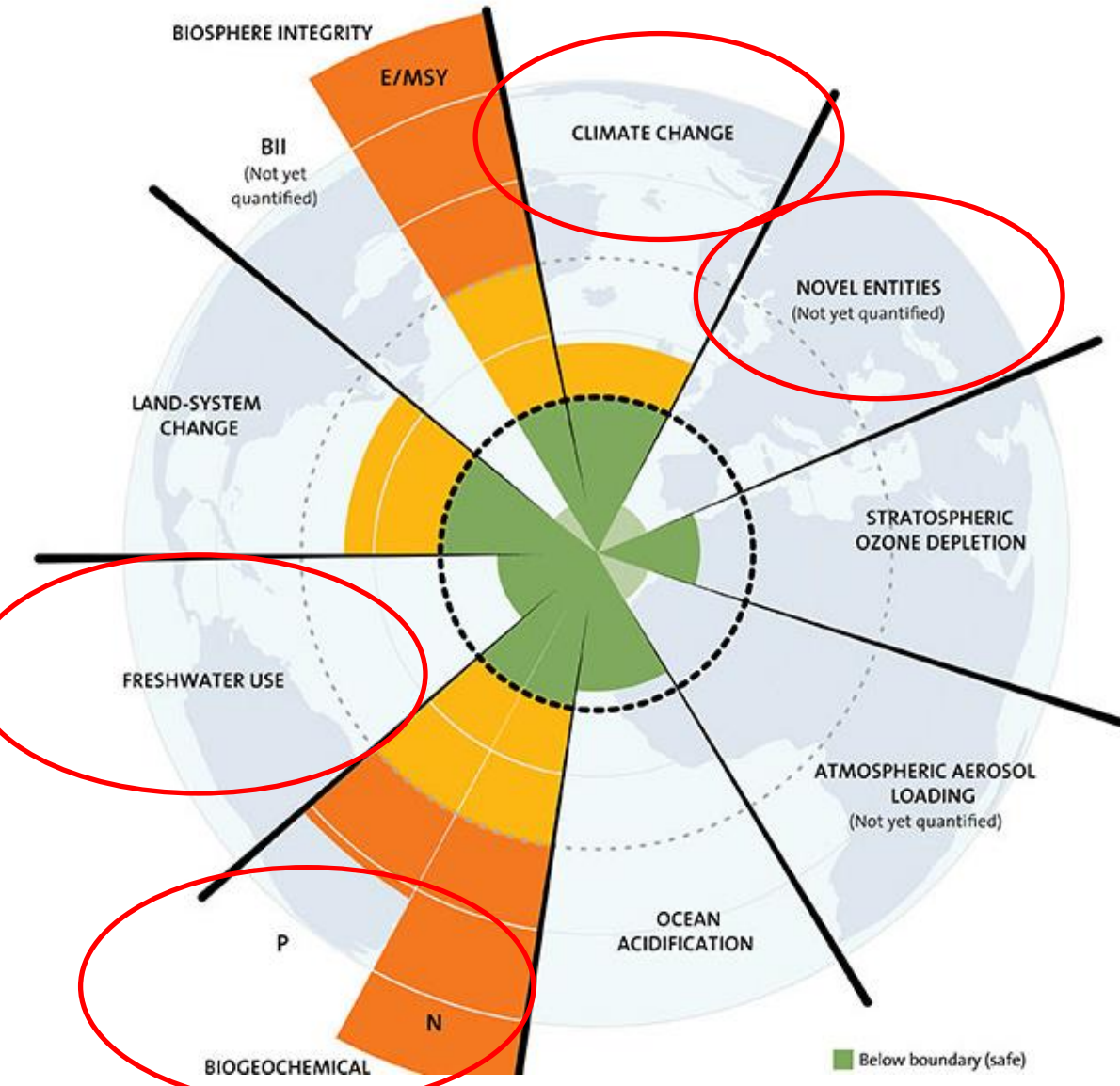
More than 80% of the world's wastewater is released into the environment without treatment

...climate change is accelerating the global water emergency...

...uncontrolled urban migration causing huge challenges...

Planetary Boundaries & Doughnut Economics

J. Lokrantz/Azote based on Steffen et al. 2015



K. Raworth 2017

Principled Opportunism

“Never let a good crisis go to waste”



Grasp the **opportunity**, while applying **principled approaches**...

- **Citywide Inclusive Sanitation** World Bank, BMGF, Leeds & Emory, WaterAid + + +
- **IWA Water-Wise Cities**
- **WHO Sanitation Safety Planning**
- *etc*

CITYWIDE INCLUSIVE SANITATION
A CALL TO ACTION

A silent urban sanitation crisis is underway. It's time to clean up our act!

A successful city is one where all citizens live productive, healthy and dignified lives in an environment free from local contamination. Human waste must be managed in ways that safeguard the urban environment, including water and food supplies. Far from being a reality, this vision is under increasing threat. With limited financial and human resources, a changing climate and rapid, unplanned urbanization, cities are struggling to cope. 'Business as usual' is not working. However, the Sustainable Development Goals provide new impetus to ensure access to sustainable water and sanitation services, to keep cities safe and resilient, and to ensure citizens' health and well-being.

Citywide inclusive sanitation means that everybody benefits from adequate sanitation service delivery outcomes; human waste is safely managed along the whole sanitation service chain; effective resource recovery and reuse are considered; a diversity of technical solutions is embraced for adaptive, mixed and incremental approaches; and onsite and sewerage solutions are combined, in either centralized or decentralized systems, to better respond to the realities found in developing country cities. Cities need to develop comprehensive approaches to sanitation improvement that encompass long-term planning, technical innovation, institutional reforms and financial mobilization. They will need to demonstrate political will, technical and managerial leadership, to focus on durable drivers for innovation, and to manage funding for sanitation in new and creative ways.

To achieve citywide inclusive sanitation, a radical shift in mindsets and practices is needed in sanitation and urban development.

Initiated by a growing group of institutions, the Call to Action needs to mobilize all stakeholders to embrace a radical shift in urban sanitation practices deemed necessary to achieve citywide inclusive sanitation.

The Bill & Melinda Gates Foundation, Emory University, International, The University of Leeds, Wateraid, the World Bank.

Moving from inadequate sanitation to citywide inclusive sanitation - an example from São Paulo, Brazil (Credit: Secretariat of Housing, Municipal Government of São Paulo)

This briefing note sets the scene and defines guiding principles for citywide inclusive sanitation. Its objective is to bring all actors - including you! - to the table to start the conversation. The principles are not set in stone and a number of open-ended questions are being developed to help guide you to 2030. We hope to build on your insights and ideas to deliver a global strategy for implementing the Call to Action. For more information, follow the program at bit.ly/CWISignup.

Join us as we commit to this challenging and critical goal of moving to citywide inclusive sanitation by signing up at bit.ly/CWISignup.

Join the conversation using #InclusiveSanitation

CITYWIDE INCLUSIVE SANITATION

IWA
The International Water Association

The IWA Principles for Water Wise Cities

2nd Edition

For Urban Stakeholders to Develop a Shared Vision and Act towards Sustainable Urban Water in Resilient and Liveable Cities



SANITATION SAFETY PLANNING
MANUAL FOR SAFE USE AND DISPOSAL OF WASTEWATER, GREYWATER AND EXCRETA

World Health Organization

Key Sector Challenges that SuSanA should help Address

Urban Sanitation and a multiplicity of opportunities...

- *Basic services*
- *Reducing public health risks*
- *Tackling environmental pollution*
- *Climate change*
- *Water-secure / water-wise / water-sensitive cities*
- *Urban development / urban upgrading / integrated services*
- *Circular economy thinking*
- *Others...*

SuSanA's Themes, Working Groups & Regional Chapters

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SuSanA Themes

- > Gender
- > Health [coming soon]
- > Human Rights [coming soon]
- > Climate Change [coming soon]
- > Institution [coming soon]

SuSanA Working Groups

Working Group 1

Capacity development

Working Group 3

Renewable energies and climate change

Working Group 5

Food security and productive sanitation systems

Working Group 7

Community, rural and schools (with gender and social aspects)

Working Group 9

Public awareness, advocacy and civil society engagement

Working Group 11

Groundwater protection

Working Group 13

Behaviour change

Working Group 2

Market development

Working Group 4

Sanitation systems and technology options

Working Group 6

Cities

Working Group 8

Emergency and reconstruction situations

Working Group 10

Operation, maintenance and sustainable services

Working Group 12

WASH and nutrition

Regional chapters

- > Overview
- > WANA region
- > Latin America
- > India
- > Africa Chapter

Use the map or the search tool to access the most relevant information and knowledge products for your region or country. This includes relevant resources, events, partners or projects.



SuSanA network

in the network and con

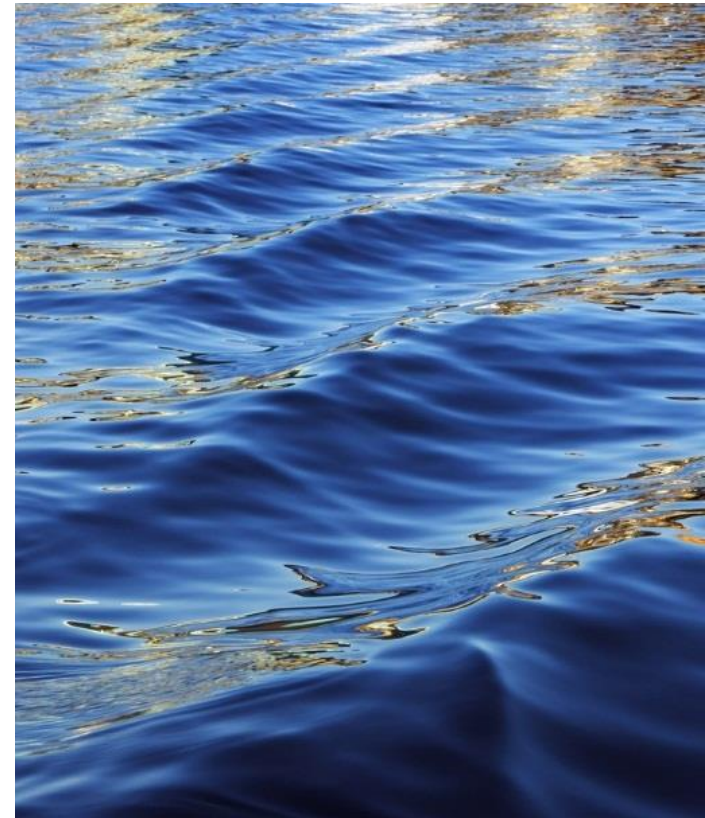
THANK YOU

mg@martingambrill.com



Key Sector Challenges for SuSanA

Gina S Itchon MD MMedSc – GSC Rep for East
Asia and the Pacific



Main Points:

Sanitation is a complex problem. – costly, needs behavior change of all stakeholders, strong political will from the highest national official to the lowest village elder, it needs the commitment of both public and private sectors.

Urban sanitation is the bigger challenge. - Inadequate water supply, aging infrastructure, rapid population growth, urbanization, and climate change.

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**Topic 3: SuSanA joint position and key
messages to the SDG mid-term review
and beyond**

Kate Medicott - WHO
Dorothee Spuhler - GSC SuSanA



SDG6 MID TERM REVIEW AND WATER ACTION AGENDA

Kate Medicott for SuSanA – 20 Aug, 2023

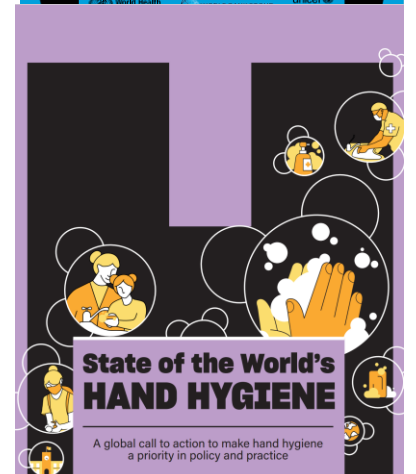
EVALUATION OF WATER ACTION AGENDA COMMITMENTS

- **Number:** 832 (commitments as of 8 May 2023)
- **Size of organizations:** 31% smaller 69% larger organizations
- **Level:** Subnational 30%, National 19%, Regional 17%, Global 33%, Unclear 1%
- **Regions:** Africa 19%, Asia 15%, Australia & NZ 1%, Europe 9%, LAC 11%, US&Canada 2%, Multiple Regions 42%
- **Duration:** 80% Ending in 2024 or later
- **Amount:** 74% Unspecified/unclear, 21% \$100,000 to \$9.5 billion
- **Type of entity:** NGOs 41%, Governments 27%, Multilaterals 10%, Partnerships 4%, Private Sector 9%, Universities 8%
- **Themes:** Water for Health 50%, Water for Sustainable Development 52%, Water for Climate, Resilience and Environment 24%, Water for Cooperation 13%
- **Water use:** Domestic/municipal 39%, Agriculture 12%, Industry 6%, Unspecified/unclear/NA 54%
- **Measurable:** 80% do not have quantitative targets
- **Game changers:** Only 28% of commitments are considered “game-changers” (i.e., likely to lead to substantial change)
- **Next step needed:** National (or transboundary) plans that systematically address: Sustainable and equitable water use (amidst a changing climate), Deteriorating water quality, Extreme weather events (floods, droughts, heat waves)

Key messages emerging from Interactive Dialogue 1: Water and Health

In summary, speakers recognised that **water and sanitation are human rights**, and **access to WASH services is essential for health, education, gender equality and development**. Each and every speaker reinforced the message that **the WASH sector urgently needs to adapt and evolve around three pillars – political leadership, government systems and smart financing - to achieve the ambition of the SDGs and reach everyone, everywhere, with sustainable, climate-resilient WASH services.**

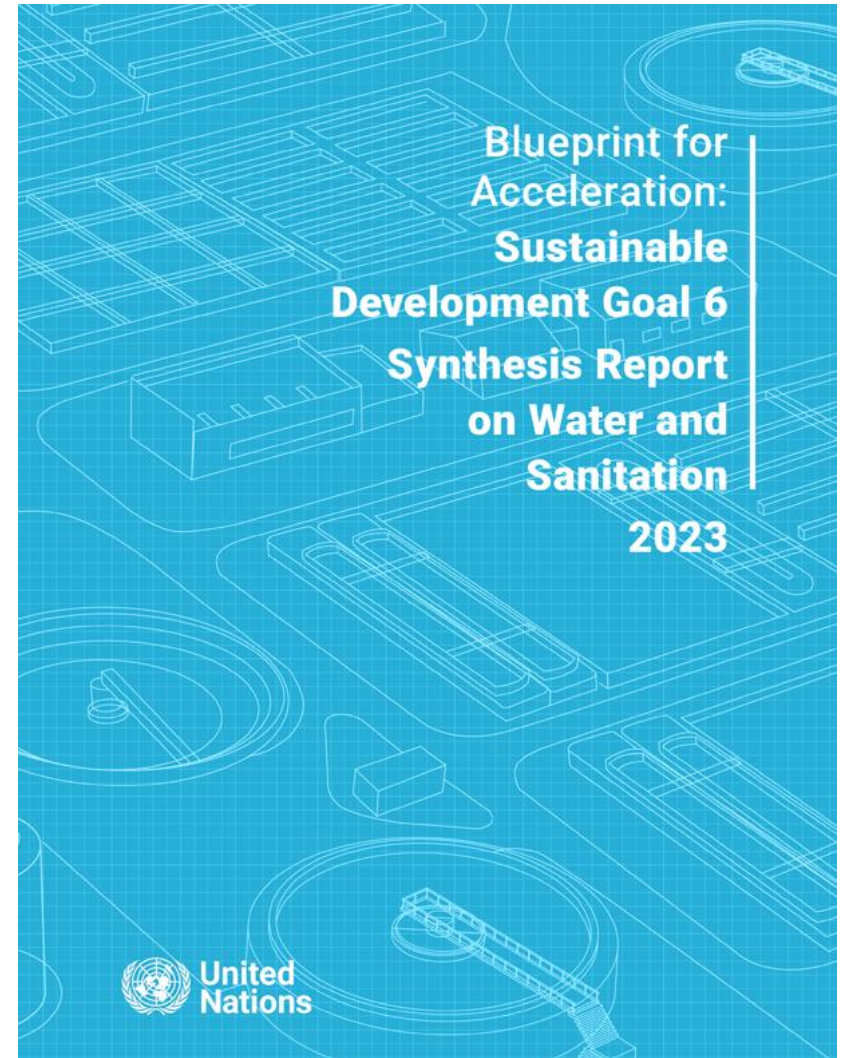
- Government leadership and willingness to drive change is key. **Political will is essential to accelerate transformative change.** Development partners are ready to collaborate, joining with other stakeholders in support of government leadership and systems, working across sectors.
- **Funding and financing from the public sector, private sector and donors must increase dramatically.** Governments must develop policy to guide funding and financing decisions and strategies, attracting and making best use of funding and finance.
- Governments and development partners see the need to **develop a capable and motivated WASH sector workforce, investing in people and institutions.**
- **Data and evidence are key to progress**, must reflect the needs of all people, including the marginalized, **and must drive decision making and be used to reinforce accountability.**
- Governments and partners need to **encourage WASH innovation** and experimentation.

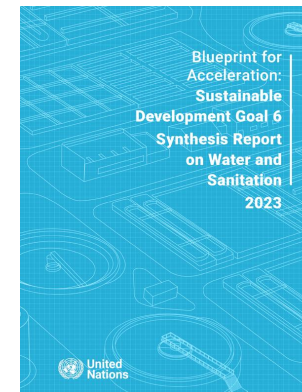


Follow up to the conference at HLPF in July

At the midpoint of the journey to 2030, the world has come a long way, but...

- > **We need to move much faster.** We need to work six times faster on drinking water, five times faster on sanitation and three times faster on hygiene. At the current speed, in 2030, 2 billion people will still be living without safely managed drinking water, 3 billion without safely managed sanitation, and 1.4 billion without basic hygiene services.
- > **Water quality is suffering.** Forty-two per cent of household wastewater is not treated properly, damaging ecosystems and human health. Significant data gaps on ambient water quality leave many at risk of exposure to pollution.
- > **Climate change is hitting hard.** Rising water stress is affecting food security and biodiversity. There are rapid changes in surface water in one fifth of river basins. Floods and drought are becoming more frequent and extreme, increasing the number of water-related disasters.
- > **Silo thinking is holding us back.** Implementation of integrated water resources management (IWRM) needs to double. Only one SDG region is on track to have all its transboundary rivers, lakes and aquifers covered by cooperation arrangements by 2030.
- > **We are heading in the wrong direction.** Financing needs have gone up and official development assistance (ODA) disbursement is going down.
- > **We are not walking the talk on inclusivity.** Inclusive governance is recognized but not implemented. National policies and laws increasingly recognize participatory procedures, but implementation has been insufficient.





Obstacles blocking progress

- > **Not enough money flowing to water.** Enabling environments for efficient investment and spending are absent. Lack of well-prepared bankable projects and sustainable financing models make the water sector unattractive for investment.

- > **Not enough data.** In too many countries, policymakers lack credible and timely data for decision-making due to inadequate monitoring and reporting systems, and insufficient resources.

The blueprint for acceleration

- > **Pour in more funds.** New investments must be attracted by better enabling environments, and existing finances must be used more efficiently and effectively. The global development finance architecture needs to be reformed to provide more funding to governments.

- > **Fill the data gaps.** National monitoring, reporting and data dissemination systems must be strengthened to cover all SDG 6 global indicators, combining data sets from all stakeholders. Earth observation technologies and improved data practices, such as standardization and disaggregation, can enhance decision-making and reduce inequalities.

- > **Not enough capacity.** Gaps in the water and sanitation workforce are growing due to limited access to education, weak supportive frameworks, and poor rates of recruitment and retention of skilled staff, particularly women.

- > **Not enough innovation.** From planning to implementation, innovation is too limited and slow to meet the need for rapid, transformative change.

- > **Not enough coherence.** Water governance is ineffective due to institutional weakness and fragmentation, and poor regulation, accountability and transparency.

- > **Invest in the workforce.** Education and employers need to collaborate to promote water and sanitation “literacy” in curricula and to attract, train and retain workers, especially women and youth. There is a need for national-level workforce assessments and studies to determine current in-demand and future skills with a view towards emerging technologies.

- > **Boost innovation.** Innovative approaches must be sped and scaled up through supportive policies, utilizing technology, such as artificial intelligence, and customizing innovations to local contexts.

- > **Maximize cooperation.** Collaboration across different sectors and national borders magnifies the effectiveness of water and sanitation management and supports social cohesion and international peace.

3 personal impressions on sanitation

- Overall commitments were small and scattered – we probably can't expect major boosts in funding from international funders
- Climate and workforce, previously peripheral, is moving to the centre
- Push for integration, coherence - is this an opportunity or risk for sanitation?

Guiding questions for group work



How to trigger and clarify political will and leadership to empower national and local level governments invest in in sanitation?

What are the arguments that will help convincing political leaders to take actions?



How can we use the opportunities the climate crisis as an opportunity to make the case for sanitation?



How can SuSanA make sanitation a priority in the different agendas?



THANK YOU

Kate Medicott for SuSanA – 20 Aug, 2023

Key messages from Interactive dialogue 1 concept paper prepared by the Secretariat: Water for Health

- 1. Drinking water and sanitation are human rights, and access to drinking water, sanitation and hygiene (WASH) services is vital to health, development, and social and economic progress.** However, in 2020, 2 billion people still did not use safely managed drinking water, 771 million did not use even basic drinking water services, and almost half of the world's population, 3.6 billion people, used sanitation services that leave human waste untreated, threatening human and environmental health.
- 2. There are examples of significant progress.** Many of the countries that have made rapid gains in improving WASH have done so as part of nation building, committing to sustainable and safe WASH as part of the social contract between governments and people.
- 3. Globally, at least a quadrupling of current rates of progress on water, sanitation and hygiene is needed to meet the SDG targets** and ensure people have access to WASH services no matter where they are – home, healthcare facilities, schools, workplaces, places where food is prepared, markets, refugee camps and prisons.
- 4. Government leadership and willingness to drive change is key.** There is an urgent need to dramatically increase political commitment to safely managed drinking water, sanitation and hygiene, to strengthen the governance and institutions required to deliver these services, and significantly increase the financial resources available. Governments should develop clear policy objectives to guide funding and financing decisions, develop costed funding and financing strategies, and increase public spending on WASH, recognizing its value as a public good.
- 5. It is critical to strengthen the national and local systems required to deliver reliable, resilient and inclusive WASH services at scale;** services that can attract funding from users, government budget allocations, and private finance. Working in partnership with governments, development partners should increase investments in the WASH sector, seeking ways to build systems, capacity and institutional strength.



Lunch Break

(13 – 14:00)

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alliance

33rd SuSanA Meeting

Sunday, 20th August 2023

**hybrid:
in person
& online.**

PART 2

Stay tuned, grab a coffee, tea & snacks!
We will start soon (14:00-18:00 CEST)!

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33rd SuSanA Meeting

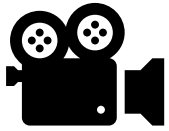
Sunday, 20th August 2023

**hybrid:
in person
& online.**

Session 3

"Hot topics" - thematic presentations
(14:00-17:00)

Etiquettes for Today's Meeting



The session will be recorded. If you do not agree with the recording, you can leave the meeting. **Slides and recordings** will be made **available after the meeting.**



Please turn your **microphones and videos off** whilst not speaking.



Please use the **chat function** to ask questions.



Keep to the time limit!

Agenda – Session 3 (14:00 – 15:15 CEST)

Time (CEST)	Session	Presenter(s)
	Session 3 - Thematic Presentations „Hot topics“	
	Theme 1: New approaches to WASH awareness	
14:05 – 14:15	Let's talk Period campaign in Albania: Advocacy through social media and influencer testimonials	Fatma Haxhialiu (Goodwill ambassador)
14:15 – 14:25	Dance4WASH a new approach: WASH it, Shake it, Break it and Make it for SDG6	Belinda Abraham (Viva con Agua)
	Theme 2: Strengthening the Sanitation workforce: Advancing gender, youth and social inclusion	
14:25 - 14:35	Setting the scene: Promoting Gender Equality through SuSanA	Chaiwe Sanderse (SuSanA Africa Chapter)
14:35 – 14:55	Enhancing Gender Equality and Social Inclusion in WASH and the WASH workforce	Joanna Mott (Water and Women Fund), Talajeh Livani (World Bank)
14:55 – 15:05	The RWSN mentoring programme - strengthening the water & sanitation workforce, with a focus on young people and women	Sean Furey (RWSN)
15:05 – 15:15	IWA Young Water Professionals	Ines Breda (IWA YWP)

Agenda – Session 3 (15:15 – 17:00 CEST)

Time (CEST)	Session	Presenter(s)
	Session 3 - Thematic Presentations „Hot topics“	
	Theme 3: Sanitation and Climate	
15:15 – 15:25	Working towards a visualisation tool for GHG emission from sanitation	Prit Salian (GIZ/i-san)
15:25 – 15:30	Climate Resilient Sanitation - a call to action and coalition	Kate Medlicott (WHO)
15:30 – 15:35	Incorporating climate resilience into global monitoring and tools	Kate Medlicott (WHO)
15:35 – 15:45	How can sanitation reduce carbon emissions – and will this bring money?	Remi Kaupp (CBSA)
15:45 – 15:55	MOSAN – Sanitation, Biochar, Soil and Climate	Mona Mijthab (MOSAN)
15:55 – 16:15	Coffee & Tea Break ☕	
16:15 – 17:00	Theme 4: Sanitation and Resource Recovery	
7 minutes	Ecological Sanitation – Can feces feed the world?	Katie Allen (University of Leeds)
7 minutes	Food Security through Satellite Farming	Sunday Andrew Opoke (Succour City Foundation)
7 minutes	Resource Recovery Toolbox - an online platform for making resource recovery tools more discoverable and accessible	Daniel Ddiba (SEI), Linus Dagerskog (SEI)
7 minutes	Presentation of Va-Loo: A network for promoting resource-oriented sanitation systems in Switzerland	Dorothee Spuhler (Eawag-Sandec / Va-Loo)
7 minutes	Wastewater reuse in Jordan – making the most of a precious asset	Mintje Bührma - GIZ

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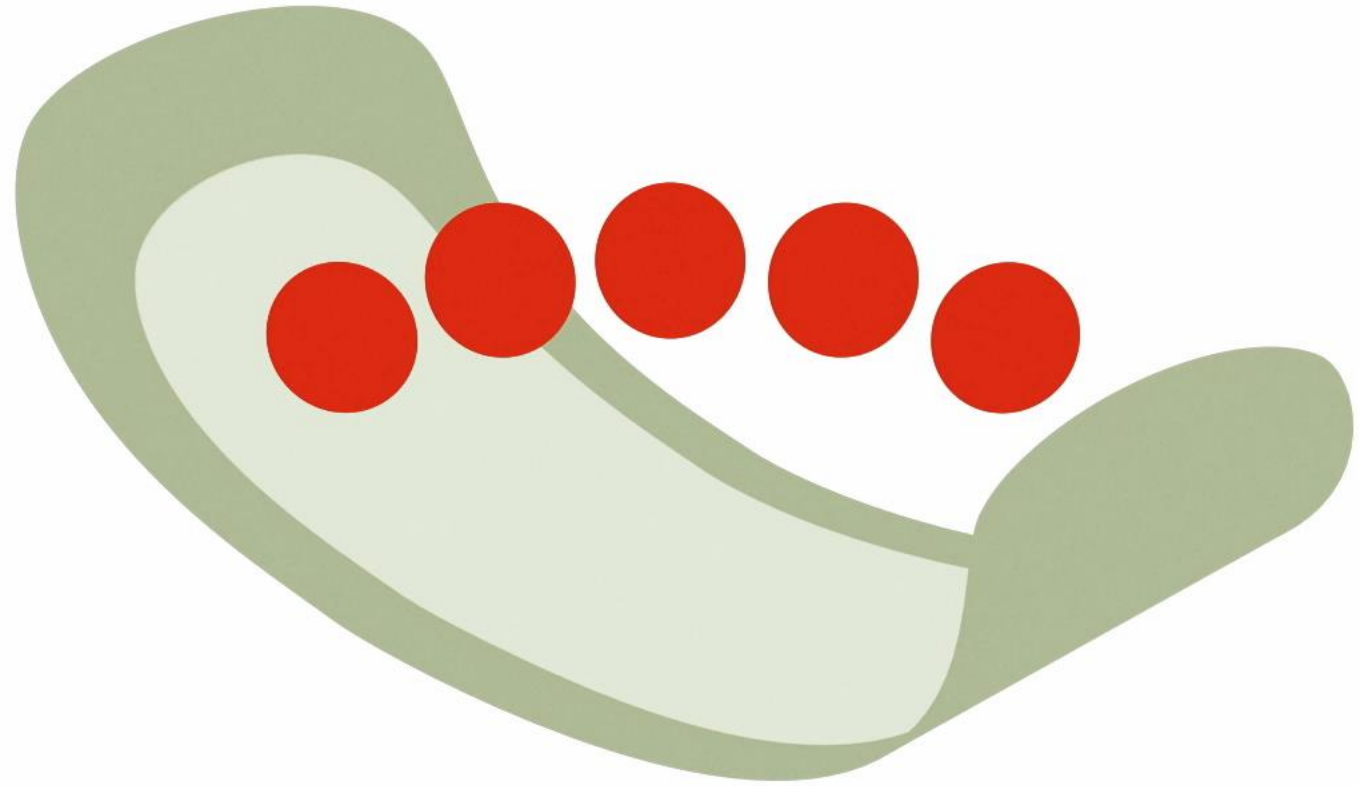
Theme 1: New approaches to WASH awareness

Moderated by Angelica Broman

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**Let's talk Period campaign in Albania:
advocacy through social media and
influencer testimonials**

Fatma Haxhialiu – Goodwill ambassador



#LetsTalk
PERIOD

DIGITAL SOLUTIONS

REACHING MILLIONS VIA SOCIAL MEDIA

Fatma Haxhialiu

Journalist, TV-Host & Goodwill

Ambassador #LetsTalkPERIOD Albania

Jan Schlenk

Water Policy / WASH in Institutions

GIZ Germany

INFLUENCER

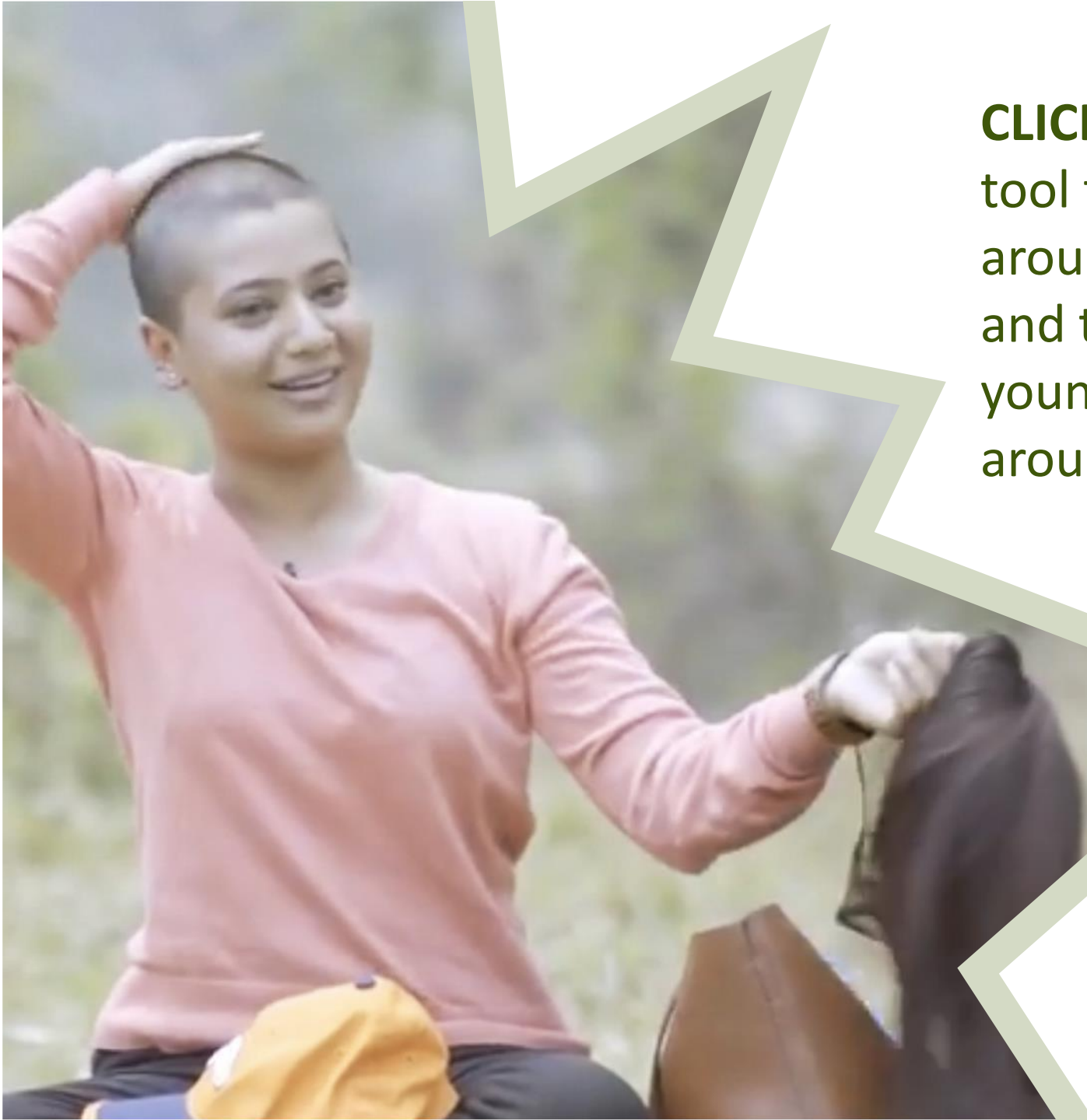


Implemented by:



As Partner of:

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CLICKTIVISM as a tool to tackle taboos around menstruation and to empower young women around the globe.

THE CHALLENGE:

In many countries the wider public lacks awareness of MHH issues.

OUR SOLUTION:

Engage locally respected, social media-savvy celebrities as Goodwill Ambassadors who will front social media campaigns for awareness raising and behaviour change.





#Let'sTalk PERIOD

SOCIAL MEDIA CAMPAIGN
ALBANIA 2022/2023



SHORT FILM



#ATO KANËE EMËR
Coming soon

TRAILER



TACKLING TABOOS
<https://bit.ly/3ACVuzW>

POSTS



INTRODUCING THE CAMPAIGN
<https://bit.ly/3AERNcY>

EVENT



CLIP MH DAY EVENT TIRANA
<https://bit.ly/30xx9RE>

SHORT CLIP



TOILET CLIP
<https://bit.ly/30EFkM8>

TV & RADIO-SHOWS

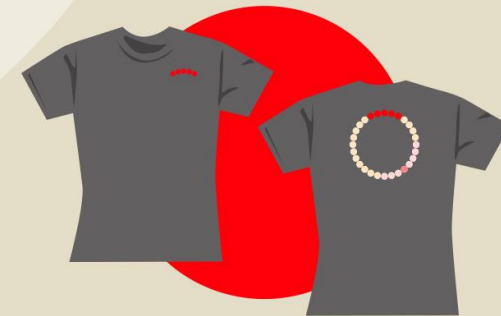


LIVELY DISCUSSION ABOUT
THE TABOO TOPIC AT
FATMA'S TALK SHOW
"GOCA DHE GRA"
(GIRLS AND WOMEN)
<https://bit.ly/3c3Q08a>

ARTICLES/GRAPHICS



"THEY HAVE A NAME", FATMA HAXHIALIU
SUCCESSFULLY COMPLETES THE MISSION
AGAINST TABOOS / "ATO KANË EMËR",
FATMA HAXHIALIU FINALIZON ME SUKSES
MISIONIN KUNDËR TABUVE /
<https://bit.ly/30Sf0hd>

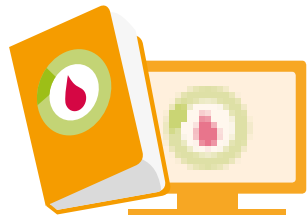


AND MORE...

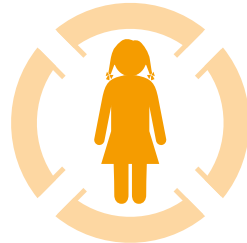
Conclusions

Why is it important to speak about menstruation – and to use social media to tackle menstruation-related taboos?

Because gender equality starts by understanding the female body and accepting menstruation as a normal biological fact. In this light MHH campaigns aim:



ACCESS TO
INFORMATION



FEMALE-FRIENDLY
SANITATION FACILITIES



ACCESS TO
MHH SUPPLIES

Recommendations / Lessons Learned

- Letting a media personality with many followers front awareness-raising and behaviour change campaigns as Goodwill Ambassador can significantly boost campaigns' reach.
- Choosing the right personality matters!
- Essential to brief them in detail and plan exposure visits.

**> GOING VIRAL: SOCIAL MEDIA,
PANDEMIC PREVENTION, AND
TACKLING DIFFICULT TOPICS**

**PART OF THE FILM SCREENING & DISCUSSION
JOIN US ON-SITE & ONLINE ON SUNDAY
20 AUGUST 2023 // 17:45 CET**



Register for free @ World Water Week to attend online:
> www.worldwaterweek.org/tickets



FATMA HAXHIALIU
ALBANIAN TV-HOST,
JOURNALIST AND
GOODWILL AMBASSADOR



REACHING MILLIONS VIA SOCIAL MEDIA

'CLICKTIVISM' IS PROVING AN EFFECTIVE TOOL FOR TACKLING TABOOS AROUND MENSTRUATION AND EMPOWERING YOUNG WOMEN AROUND THE GLOBE. What started as a social media campaign #NepalsMenstrualMovement evolved to a #LetsTalkPERIOD approach implemented in Nepal, Albania and the Philippines reaching more than 10 million people over the last 3 years.



Implemented by:



In Cooperation with:



As Partner of:



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**Dance4WASH a new approach: WASH it,
Shake it, Break it and Make it for SDG6**

Belinda Abraham – Viva con Agua



VIVA CON AGUA

Dance4WASH a new approach: WASH it, Shake it, Break it and Make it for SDG6

33RD SUSANA MEETING

* Universal Languages for Behaviour Change, UI4BC



Universal Languages for Behaviour Change (UL4BC), 'The Theory'



Good hygiene behaviour is critical for reducing the transmission and consequences of diseases.

Universal Languages for Behaviour Change¹ (UL4BC) – is based on the notion that people do not go from current to ideal behaviour in one step. Our approach is **playful and joyful** unlike other approaches that rely on shame and guilt or are overly didactic.

We create a joyful and dignified atmosphere, and a solution-oriented mindset, inspiring people to get engaged in being part of a solution that will significantly impact health well-being.

The Aim: To reduce the transmission of water-related disease through sustainable behaviour change.



Tackling behaviour change



UL4BC
Approach

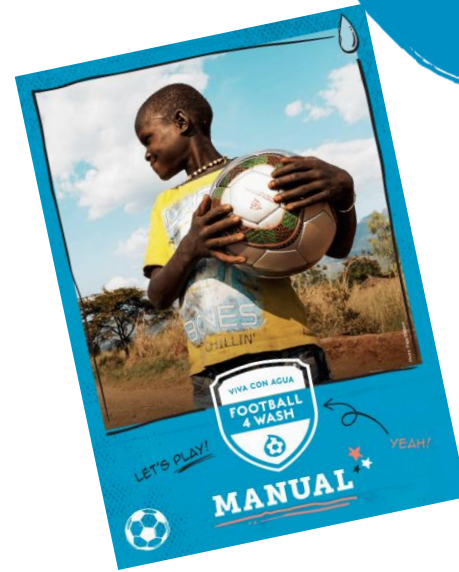
1. Based on the **UL4BC**, **Football4WASH (F4W)**, the **Walls for WASH** or the **WASHEROES**, **TACKLE BEHAVIOUR CHANGE** in schools and communities.
2. Following up on a human rights-based perspective, stating that people themselves must advocate so that the pressure to provide improved WASH services is sustained over the long-term,
3. UL4BC with its broad appeal offers a low threshold entry-point for target groups to get active.



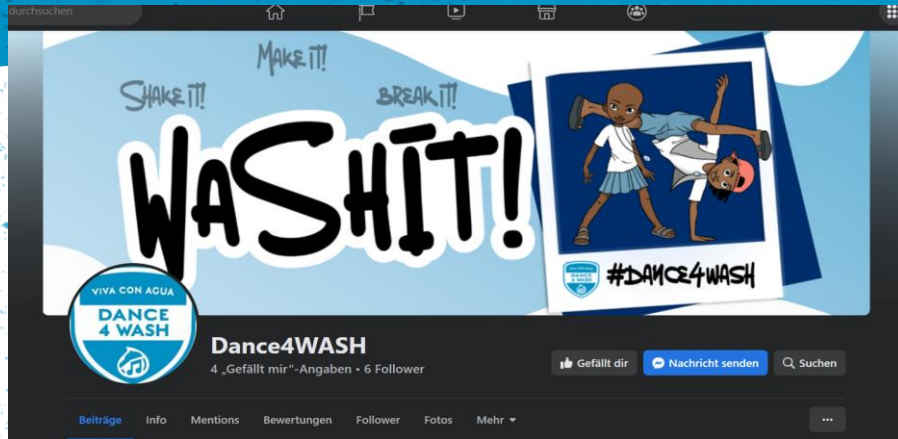
Football 4 WASH (F4W)



Football4WASH combines the vibrant potential of football and the ability to create a fun-filled learning environment, where sensitization for WASH (water, sanitation & hygiene) related health behaviour is carried out in a joyful and playful way.



WATERPROOF : Youth centred awareness & sensitisation dance campaigns for increased pandemic resilience in Africa



1.0 Project Objective:

To reach 500,000 school children ages 8-18 years via in person activities and social media on WASH and pandemic resilience messages, aligned with the HBCC campaign (Hands-Face- Surface) & Get yourself *Vaccinated*

2.0 Location:

Capital and urban centres of Malawi, Mozambique, Rwanda , South Africa, Tanzania, Uganda and Zambia

3.0 Timeframe

Nine months,

4.0 Project Activities:

- Content creation: two comic animations videos
- Art murals in 7 locations.
- One ToT dance for WASH workshop in Kampala with invited participants from the region and internationally
- Seven co-creation and planning workshops, one in each country.
- 14 dance competitions, (two dance competitions in each country).
- Social media plan for each country with information on youth demographics, communication channels, and collaboration with popular artists, and influencers.
- Monitor social media reach within seven countries

Strategies:

- Mobilise VcA's networks
- Digitize content for social media
- Expand UL4BC programme outreach
- Engage education stakeholders for school-based promotion

DANCE4WASH



OUR IMPACT IN 3 MONTHS:

901K



Digital Reach

1.7M




Impressions

1.4K




link Clicks

28K



Page visits

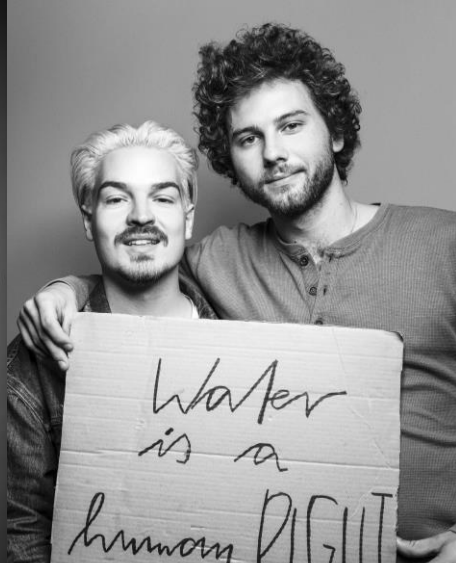
7.6K



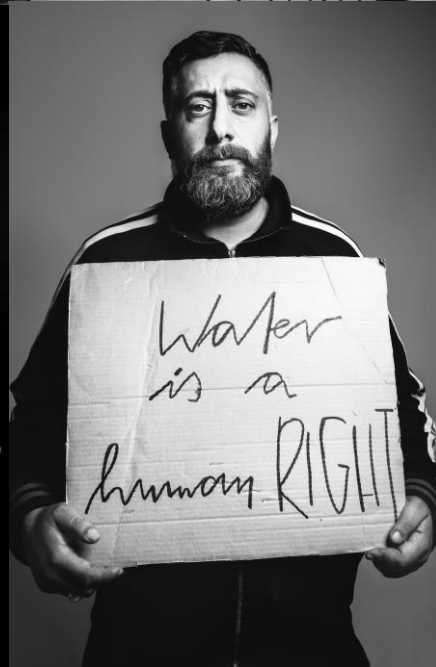
Engaged Users



WASH Systems Approach: Upstream advocacy



Aim:
UL4BC raises political and public awareness, demanding systemic change



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**Theme 2: Strengthening the Sanitation
workforce: Advancing gender, youth and
social inclusion**

Moderated by Rohini Pradeep

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Setting the scene: Promoting Gender Equality through SuSanA

Chaiwe Sanderse – SuSanA Africa Chapter



STRENGTHENING THE SANITATION WORKFORCE:

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**SuSanA and Gender
Setting the Scene Advancing Gender, Youth
and Social Inclusion**

By: Chaiwe Mushauko-Sanderse

Promoting Gender Equality through SuSanA

- Advancing the Representation of Women, Indigenous Peoples, and Young People in WASH with a Focus on Sanitation

Provide visibility and a platform to be heard through

- Building connections to various sector network groups and chapters
- Support them in writing SuSanA blog articles, publish in the SuSanA library and voice their experiences in the SuSanA forum
- Improve online presence of women networks and access to information by: Digitalize Water Women! Support the development of up-to-date websites for women's networks



Setting the scene:

Mentoring opportunities for women working in WASH

- Scale-up successful mentoring activities by sector networks focused on women
- Virtual and physical mentoring activities and leadership training
- Themed Knowledge exchange engagements to learn best practices and experiences across networks
- Adapt to increase women's participation



Setting the scene:

Make known the existence and activities of women's networks in Sub-sahara-Africa and better understand local needs and global opportunities

- Desk assessment of existing networks and their current activities including interviews
- In-country deep dives to understand local needs and opportunities
- Strengthen women's capacity by having selected women working in tandem with experienced consultants on this assessment
- Present results at relevant regional and global event



Setting the scene:

Enable meaningful representation of women in regional and global events and political processes (UN Conferences on Water, World Water Fora, Stockholm World Water Week etc)

- Set up a committee under the leadership of SuSanA and CWIW to ensure fair processes by distributing funds to members of SuSanA and women's networks
- Flexible funding to allow different costs covered (Visa, Flights, Hotel, Conferences Fee's)



Setting the scene:

Strengthening small scale Female Water and Sanitation Entrepreneurs/Enhancing Expertise

- Provide access to finance training, Sector to enhance funding in this area
- Produce short training videos to be used in Africa by all women's networks and
- the SuSanA Africa Chapter
- Conduct business training sessions, incubation projects and expos at country or regional level



Thank You

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Enhancing Gender Equality and Social Inclusion in WASH and the WASH workforce

Joanna Mott - Water and Women Fund
Talajeh Livani - World Bank



Assessing Transformation in WASH

Water for Women GEDSI Towards Transformation Self- Assessment Tool

SuSanA Stockholm meeting
20 August 2023



 SNV in Nepal



Centre for
Advocacy and
Research



What do we mean by transformative change?

- 1. Significant Shift** from existing norms, practices, relationships or power structures, leading to new ways of thinking, behaving, or being.
- 2. Long-lasting Impact** that reshapes how we look at ourselves, others and the world.
- 3. Processes and outcomes** that challenge the status quo and can lead to greater equality, innovation, growth, or adaptation to new circumstances. It is no longer business as usual.
- 4. Challenges** are inherent in achieving transformative change because the process entails overcoming resistance and managing uncertainties and insecurities.
- 5. A Positive Value** is generally given to transformative change. While "transformative" might not necessarily refer to positive change, the term often suggests change that has positive impacts for society.

Why transformative change in WASH?

- Delving deep: norms change for positive and sustainable behaviour change
- Inequality goes to the heart of everything = access, participation, resilience, sustainability
- New ways of working for climate resilient solutions: partnerships and leadership
- Integrating a GEDSI transformative lens in programs and organisations:
 - leads to better outcomes in water and WASH,
 - is critical to achieving SDG targets and reducing social inequalities.



A **GEDSI unaware** WASH program fails to recognise the different roles, responsibilities, needs, interests and capacities of different people and identities, and their ability to enact power and access resources. It therefore fails to address barriers to participation in WASH processes, decision-making and benefits, and is likely to maintain the status quo and perpetuate, if not exacerbate, existing social inequalities. Programs may be **GEDSI harmful** by targeting those easiest to reach, thus further marginalising others, or exploiting differences to achieve program goals.



A **GEDSI aware** WASH program recognises the different roles, responsibilities, needs, interests and capacities of different people and identities, and their ability to enact power and access resources, but takes minimal action to address inequality or vulnerabilities, such as the risk of violence, or challenge discriminatory norms. It focuses on practical needs more than strategic interests of women, people with disabilities, people of diverse genders and sexualities, and other marginalised groups.



A **GEDSI responsive** WASH program understands and addresses barriers faced by women and different marginalised groups at different levels, such as household, community, organisational, sectoral and/or structural. It addresses practical needs and strategic interests, supporting increased access and control over WASH by women, people with disabilities, people of diverse genders and sexualities and other marginalised groups. It may include **GEDSI accommodating** strategies, which recognise existing attitudes and barriers, but may result in superficial or temporary results.



A **GEDSI transformative** WASH program explicitly challenges harmful social norms and power imbalances to positively change the position of marginalised people, groups and identities. It recognises and addresses the risk of violence as a barrier to challenging power through Do No Harm approaches and resources GEDSI strategies, including supporting local rights holder organisations, and has articulated channels for referral to services where available. It understands, and has nuanced approaches to address, bias, resistance and backlash and reflects the principle of transformation starting with oneself.

Gender Equality and Social Inclusion Self-Assessment Tool



Water For
Women

Australian
Aid



Gender Equality and Social Inclusion Self-Assessment Tool

Facilitation guide for WASH project managers,
researchers and self-assessment facilitators

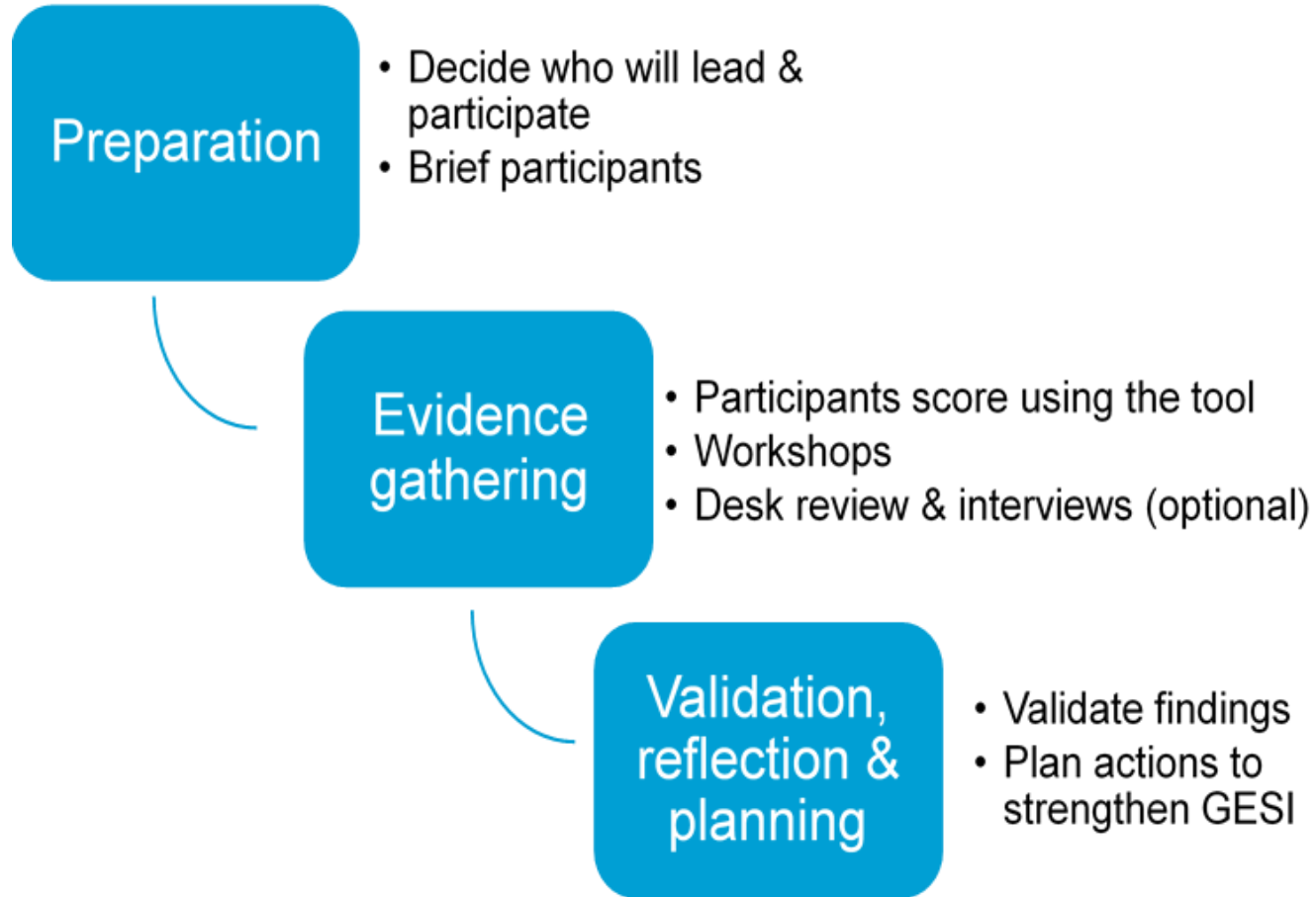
Working Towards Transformation In Inclusive Water, Sanitation and Hygiene



Purpose of the SAT

- **Self-monitoring and reflection tool** - opportunity for a conversation to reflect on current strengths and how to improve processes to better influence and drive positive change in GEDSI through the project and organisation.
- Opportunity to measure **progress towards GEDSI transformative practice** and outcomes in the project and within the organisation - identify strategies to strengthen gender equality/diversity and social inclusion, consider strategies to make change, and highlight opportunities for improvement.

The Process at-a-glance



The tool at-a-glance

Domains of change

- 1. SYSTEMS STRENGTHENING.** Strengthened national and subnational WASH sector systems with greater emphasis on gender and social inclusion.
- 2. LEAVE NO ONE BEHIND.** Increased equitable, universal access to and use of sustainable WASH services, particularly for marginalised community members.
- 3. TRANSFORMATIVE CHANGE.** Strengthened gender equality and social inclusion in households, communities and institutions.
- 4. KNOWLEDGE AND LEARNING.** Strengthened use of new evidence, innovation and practice in sustainable gender and inclusive WASH by other CSOs, national and international WASH sector actors.
- 5. ORGANISATIONAL CULTURE AND PRACTICE.** Strengthened gender equality and social inclusion in the organisation (culture, policies, processes, systems).

Domain 1: Strengthened national and subnational WASH sector systems with greater GEDSI emphasis

1.1 The program seeks to meaningfully engage with rights holder organisations for improved WASH and GEDSI outcomes.

S0 The WASH project does not engage with rights holder organisations (RHOs) or engages in an adhoc way.

S1 The program engages directly with RHOs to support their WASH work (eg. in communities and at WASH coordination meetings).

S2 The program regularly works with RHOs and supports RHOs' participation in WASH coordination fora including providing some resourcing and/or capacity building support.

S3 The program provides resourcing and/or capacity to support the RHOs' direct engagement with govt. and private sector to influence WASH issues/systems/decisions, and to advance the RHO's own rights agenda.



Reflections on SAT application (SLH and IWMI)

Why?

Reflect and improve on our practices both internally and externally

Measure progress towards transformative practices

Capacitate local NGO partners to measure progress towards transformative practices

How?

Preparation – meetings, reading, translation, briefing partners and stakeholders

Evidence gathering – choosing and reviewing documentation / scoring against the criteria

Validation, reflection and planning – workshops, commitments and actions

Access now



Seeds for Sustainable Solutions - Assessing Transformation in WASH

MONDAY 21.08.23 • 16:00 – 17:30 CEST

Find out more: wfw.fund/WWWeek-Seeds



Sowing the seeds for transformative change

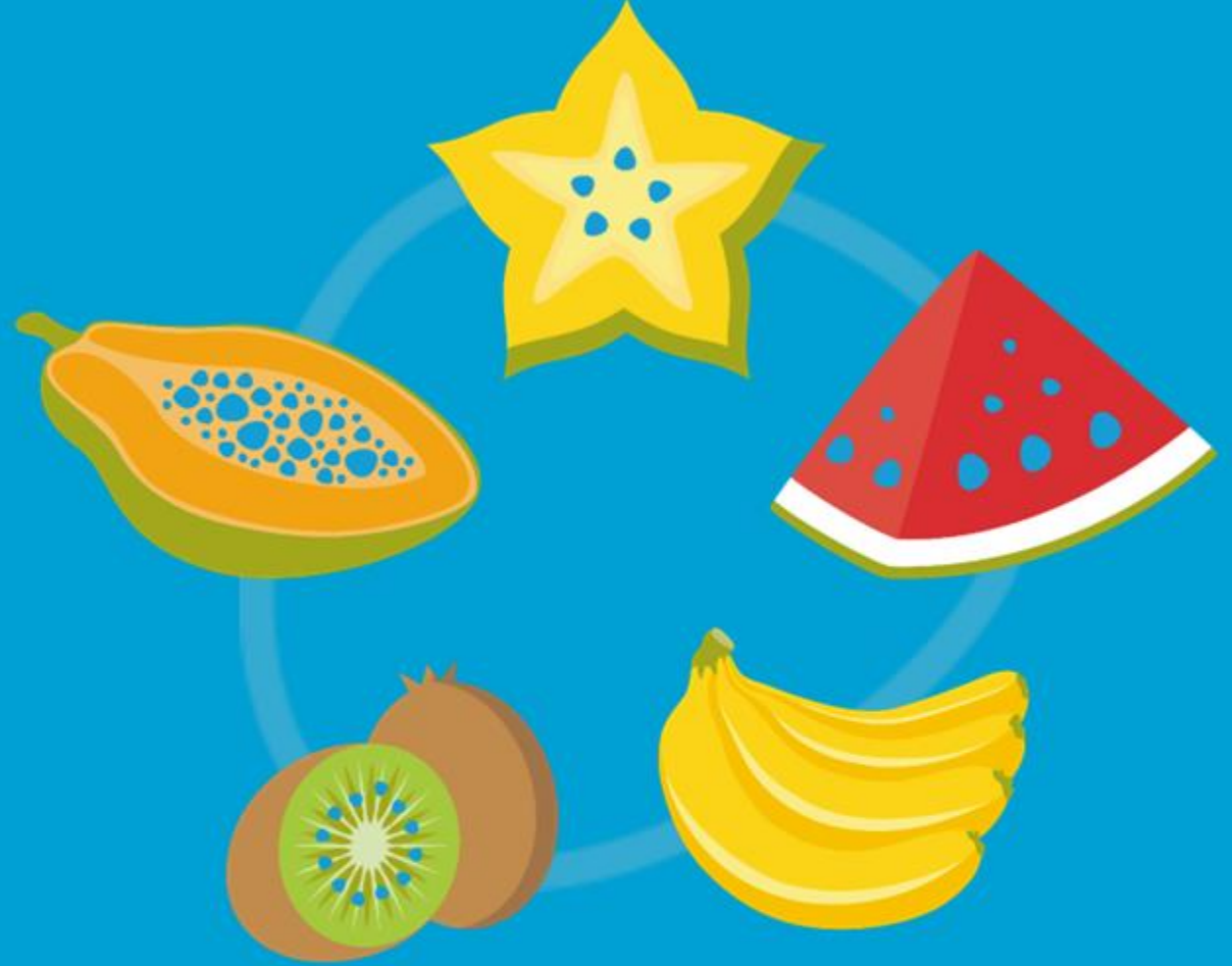
Join us at Booth 4:15 for morning tea

Wednesday 23 August

10:30 – 11:00

Level 4

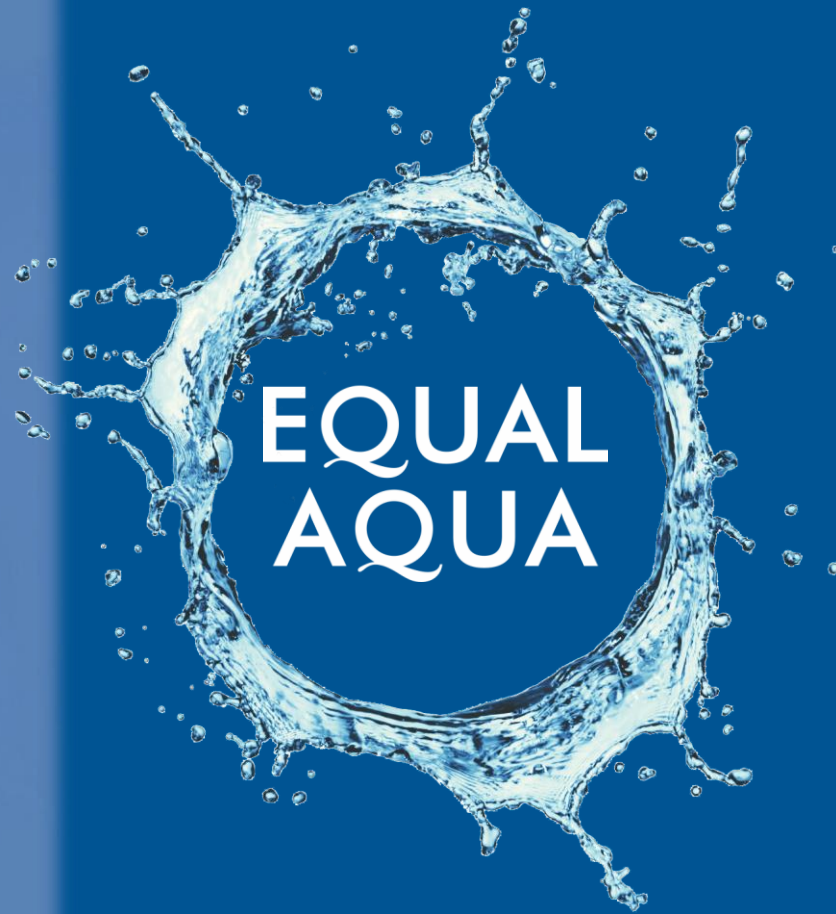
Waterfront Congress Centre



Water For
Women



Institute for
Sustainable
Futures



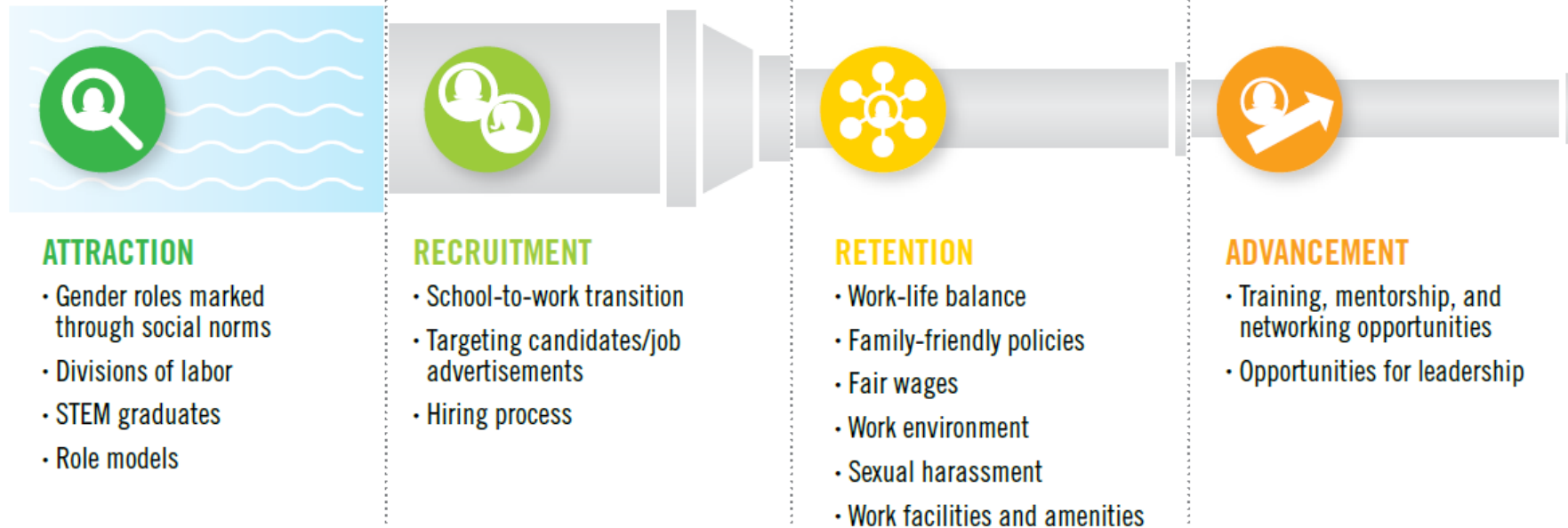
Fostering Diverse Institutions

Talajeh Livani
Social Development Specialist
World Bank Group
August 20, 2023



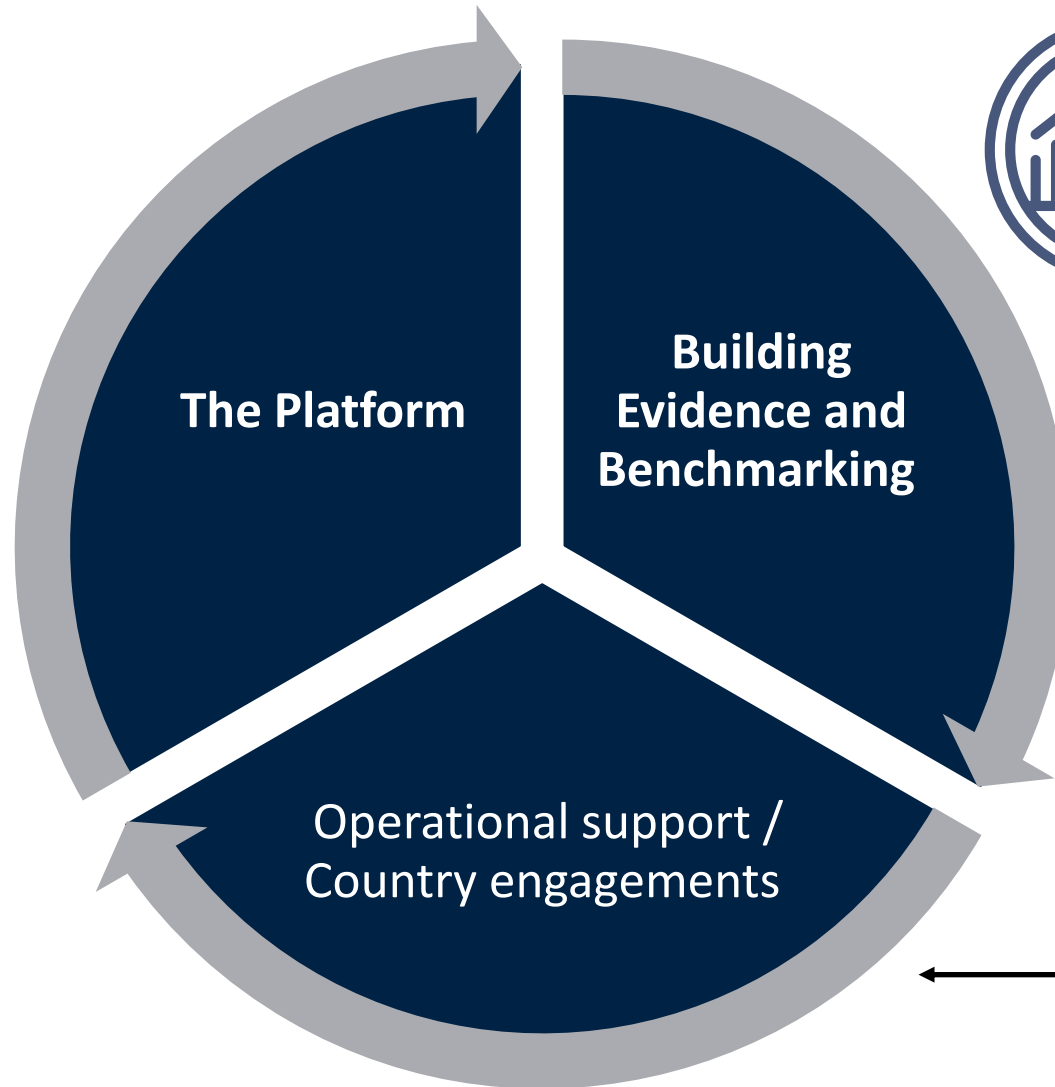
The Equal Aqua Platform supports gender diversity in water sector institutions

The challenge → **underrepresentation of women in the water and sanitation workforce**



Transforming problem into a solution

EA partners form a community of practice - regular meetings, training opportunities, and knowledge exchanges

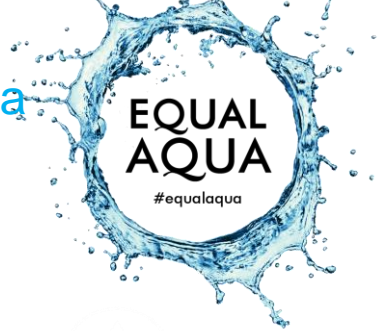


Diagnostics Tools, Learning, and Good Practices - 160+ institutions benchmarked



Around 60 World Bank projects integrating EA tools, resources, diagnostics





Equal Aqua HR Survey

Score Cards

WORLD BANK HR GENDER SURVEY

Primary Contributor Information: Please check the box next to information you do not want us to publish.

Name of person filling in the survey _____
 Title (Mr., Ms., Dr.): _____

Never Published First Name: _____ Last Name: _____
 Never Published Email address: _____ Phone: _____

Never Published Position (e.g. manager, HR, etc.): _____

Water Utility Information

Do not publish Name (in full): _____
 Do not publish Website: _____
 Do not publish Street: _____ P.O. Box: _____
 Do not publish City: _____ State/ Province: _____
 Do not publish Zip/Postal code: _____ Country: _____
 Do not publish Private/Public: _____
 Do not publish Population served (estimate number of people): _____
 Do not publish Date: _____

Please do not leave any fields blank – where data is not available, mark it as: “-”.

I. General HR Information	Total number of employees		Licensed engineers		Managers ¹	
	Men	Women	Men	Women	Men	Women
1. Total number of full-time employees (currently employed)						
2. Recruited from outside the utility (in past 12 months)						
3. Promoted from inside the utility (in past 12 months)						
4. Left the utility (in past 12 months)						
5. Average monthly salary (in local currency)						
6. Average no. of years in this position						

ii. You can provide data, as in the table above, for employees in other job grades, classifications, and departments

A break-up of the gender composition of employees and an overview of the female-friendly work environment and HR policies

	Diversity scores in the institution		Average ² diversity scores across all utilities in:				Key Message		
	♀ (F)	♂ (M)	C o l o m b i a		Global				
Share of employees in utility that are women	24.9%		19.6%	21.6%	18.7%		The share of women employed is above national, regional and global averages; and it is 25.1000000000000001 percentage points below gender parity.		
Share of engineers in utility that are women	31.3%		28.1%	27.9%	20.2%		The share of women engineers is above national, regional and global averages; and it is 18.8 percentage points below gender parity.		
Share of managers in utility that are women	35.3%		47.6%	44.6%	22.4%		The share of women who are managers is below national and regional, but above global, averages; and it is 14.7 percentage points below gender parity.		
Gender break-up of recent recruits in past 12 months	35.4%	64.6%	44.6%	55.4%	46.9%	53.1%	24.7%	75.3%	Fewer women were hired than men. Female recruitment is below national and regional, but above global, averages.
Exit rates of men and women in past 12 months	47.3%	49.4%	15.4%	13.1%	12.7%	11.4%	7.2%	5.2%	Women are less likely to leave than men. Women's exit rate is above national, regional and global averages.
Promotion rate of men and women in past 12 months	5.5%	1.2%	4.2%	2.9%	4.6%	3.1%	6.9%	6.0%	Women have a higher chance of promotion than men. The female promotion rate is below global, but above national and regional, averages.



Interactive Database



EXPLORE THE TOOL ABOUT WBWATERDATA.ORG English

Added features include:

FILTER RESULTS

Regions

- East Asia & Pacific (EAP)
- Europe & Central Asia (ECA)
- Latin America & Caribbean (LAC)
- Middle East & North Africa (MNA)
- South Asia (SA)
- Sub-Saharan Africa (SSA)

Size

- <200 Employees
- 200+ Employees

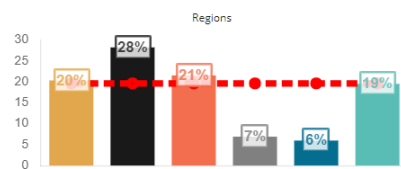
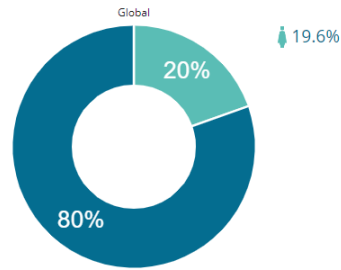
Clear Apply Filters

SELECT TO HIDE AREAS

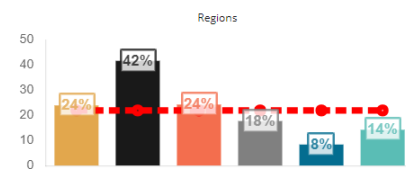
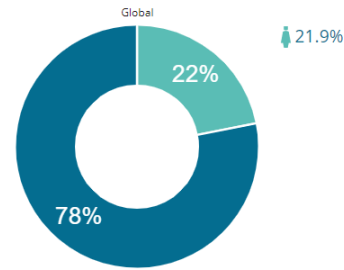
- Representation
- Recruitment & Exit Rates
- Policies & Programs
- Work Environment
- Training

SHARE OF SALARIED EMPLOYEES IN THE AVERAGE INSTITUTION

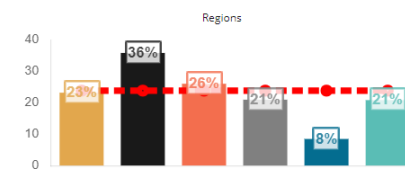
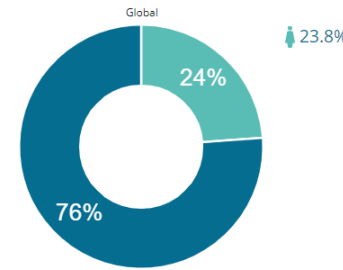
% OF EMPLOYEES THAT ARE WOMEN



% OF ENGINEERS THAT ARE WOMEN

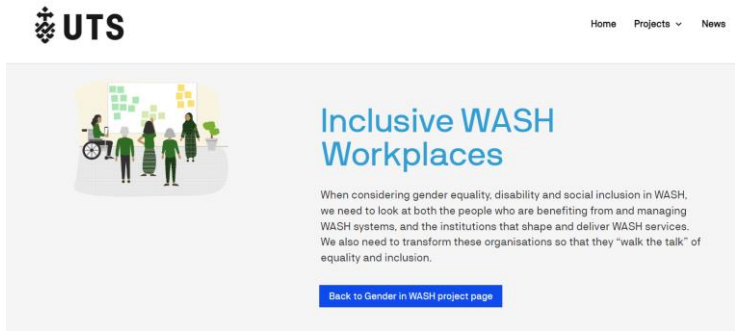
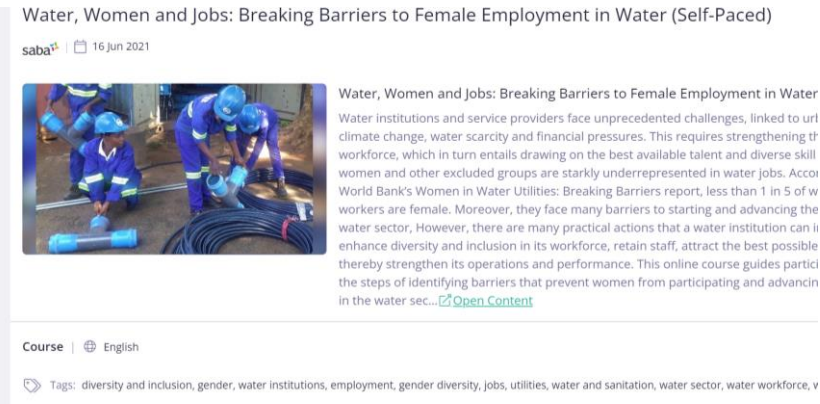


% OF MANAGERS THAT ARE WOMEN



- Data available in English, French, and Spanish
- Filters available for region-based analysis and different institution sizes
- Added labels and information for a more user-friendly experience, and digestible data

Equal Aqua – Learning and Capacity-Building

Trainings and Webinars	Documenting and showcasing good practices	Self-paced e-course (in English and Spanish)
Internship module; Equal Aqua Forum; Leveraging expertise such as USAID engendering utilities program, etc	Ex. University of Technology Sydney (partner) database  <p>The screenshot shows the UTS website page for 'Inclusive WASH Workplaces'. It features the UTS logo, navigation links for Home, Projects, and News, and a main heading 'Inclusive WASH Workplaces'. Below the heading is a paragraph discussing the importance of gender equality, disability, and social inclusion in WASH. A blue button labeled 'Back to Gender in WASH project page' is visible. At the bottom, there are several colored buttons: 'Diagnosis', 'Attraction', 'Retention', 'Advancement', and 'Maintenance'. The text 'Importance of a Diverse' is partially visible at the bottom left.</p>	 <p>The screenshot shows a self-paced e-course page. The title is 'Water, Women and Jobs: Breaking Barriers to Female Employment in Water (Self-Paced)'. The author is 'saba' and the date is '16 Jun 2021'. There is a photo of workers in blue uniforms and hard hats working with blue pipes. The text describes the challenges water institutions face and the need to strengthen their workforce. A blue button labeled 'Open Content' is visible. Below the text, it says 'Course English' and 'Tags: diversity and inclusion, gender, water institutions, employment, gender diversity, jobs, utilities, water and sanitation, water sector, water workforce, v'.</p>

Equal Aqua - Learning and Capacity- Building

- Equal Aqua HR Coach (recent trainings in El Salvador and Peru)

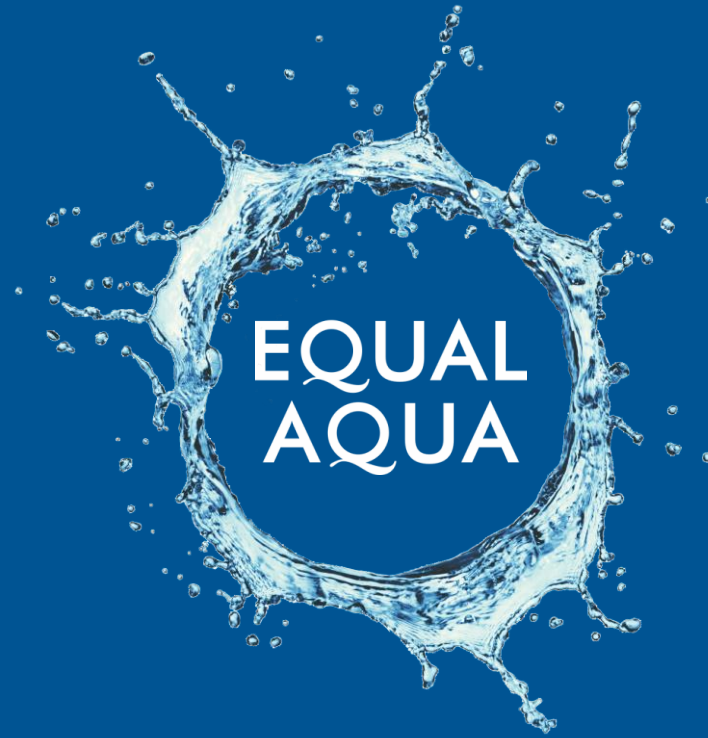


Equal Aqua – Peer to Peer Exchanges

- Equal Aqua partners form a community of practice

- Quarterly meetings
- Equal Aqua Forum
- Training opportunities
- Knowledge exchange





For more information, please visit: www.worldbank.org/equalaqua



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**The RWSN mentoring programme - strengthening
the water & sanitation workforce, with a focus
on young people and women**

Sean Furey - RWSN



The RWSN Mentoring Programme for the Water Sector

Partners



Who we are

The Rural Water Supply Network (RWSN) is the only global practitioner-focused network dedicated to rural water supply.

Since 1992, we lead collective action to accelerate progress towards universal and sustainable water services, with a focus on people in rural areas.

Website: <https://www.rural-water-supply.net/en/>

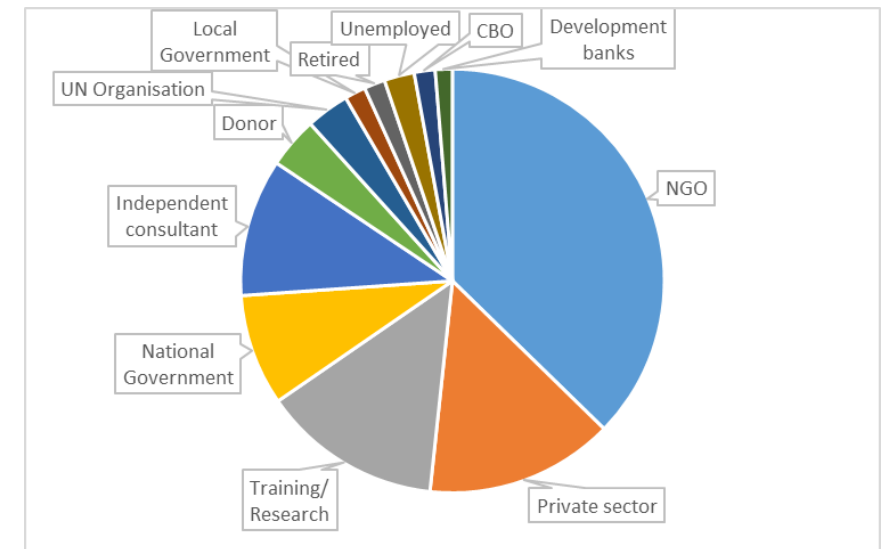
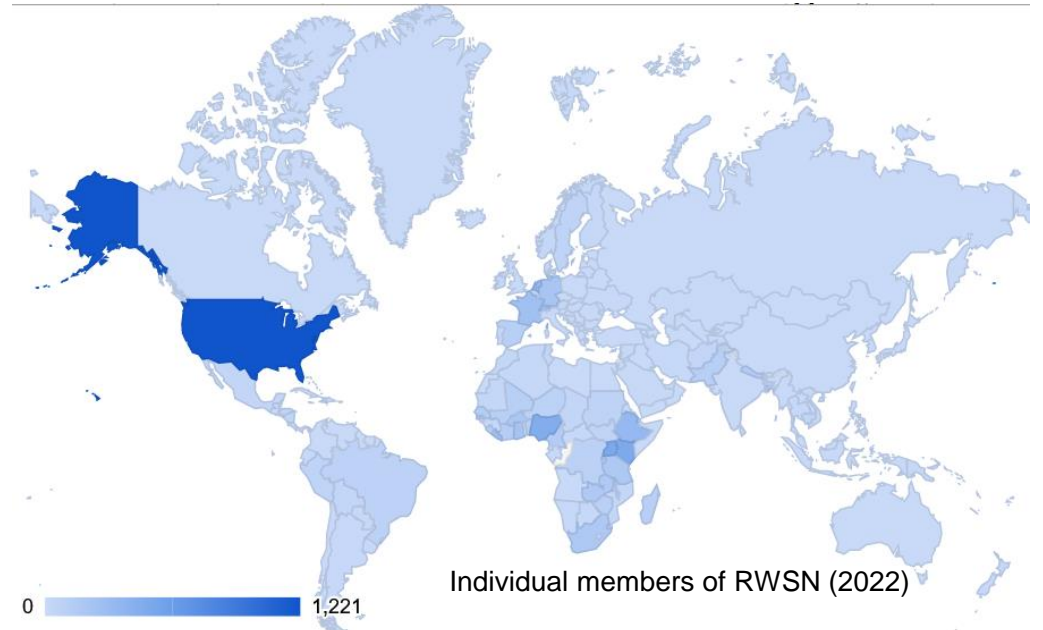
Become a member: <http://rural-water-supply.net/join-or-support/>



Who we are

We are a network of 15,000+ individuals and 100+ member organisations in 165 countries.

- 1/3 of our members are based in Sub-Saharan Africa;
- 1/3 of our members are NGOs (37%), private sector (14%) and national/ local government (10%), working to provide water services to everyone.
- We make linkages between governments (10% members), researchers/ training institutions (13% members) and practitioners in the rural water sector.



Breakdown of the type of organisation RWSN members work for

Who we are

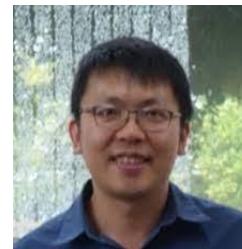
RWSN is not a legal entity; it is a network, governed by an Executive Steering Committee (AfDB, IRC, Skat Foundation, UNICEF, WaterAid & the World Bank).

The day-to-day management of the network is run by the RWSN Secretariat which is hosted by Skat Foundation.

Executive Steering Committee



RWSN Chair:
Tommy Ka Kit Ngai,
WaterAid



RWSN Secretariat: Sean Furey, Aline Saraiva, Meleesa Naughton, Cesarina Quintana & Daniela Marko



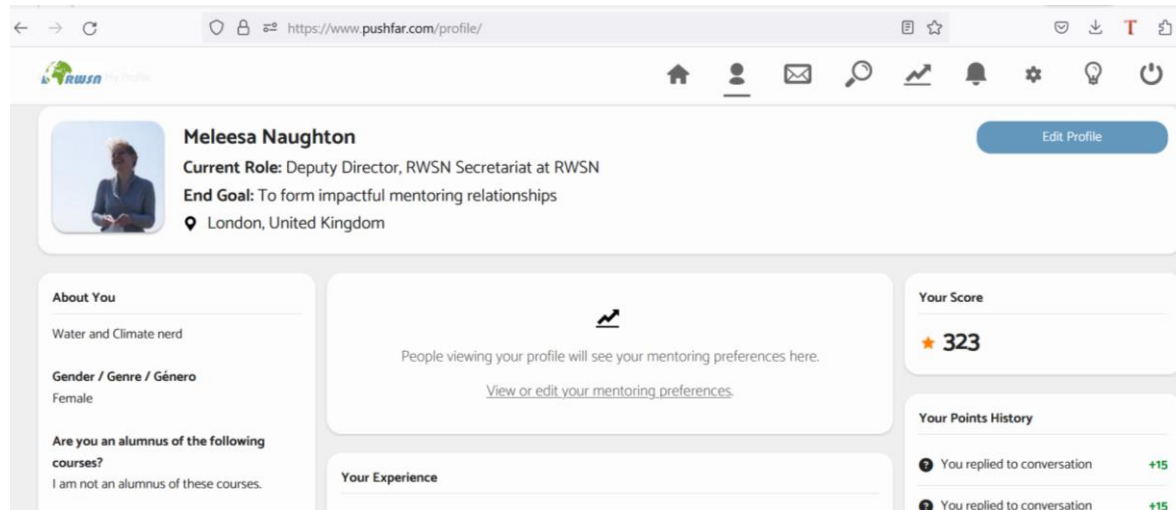
A brief introduction to the RWSN mentoring programme

- RWSN has been running the mentoring programme since 2019 (4th year) in English, French and Spanish.
- Impact: **1359 mentors & mentees** (between 150-550 participants/ year, from any water-related background);
 - Mentors can be anyone with more than 5 years of experience in the water sector; 1 mentor can take 1-10 mentees max.
 - Mentees are (i) under the age of 35; AND/ OR (ii) women of all ages (since 2021); AND/OR (iii) alumni of RWSN courses (since 2023). A mentee can only have 1 mentor.
 - Women are strongly encouraged to be mentors and mentees!
- Since 2021, we run the mentoring programme through PushFar. Before we used to do the matchmaking & administration manually -> resource intensive and difficult to scale.



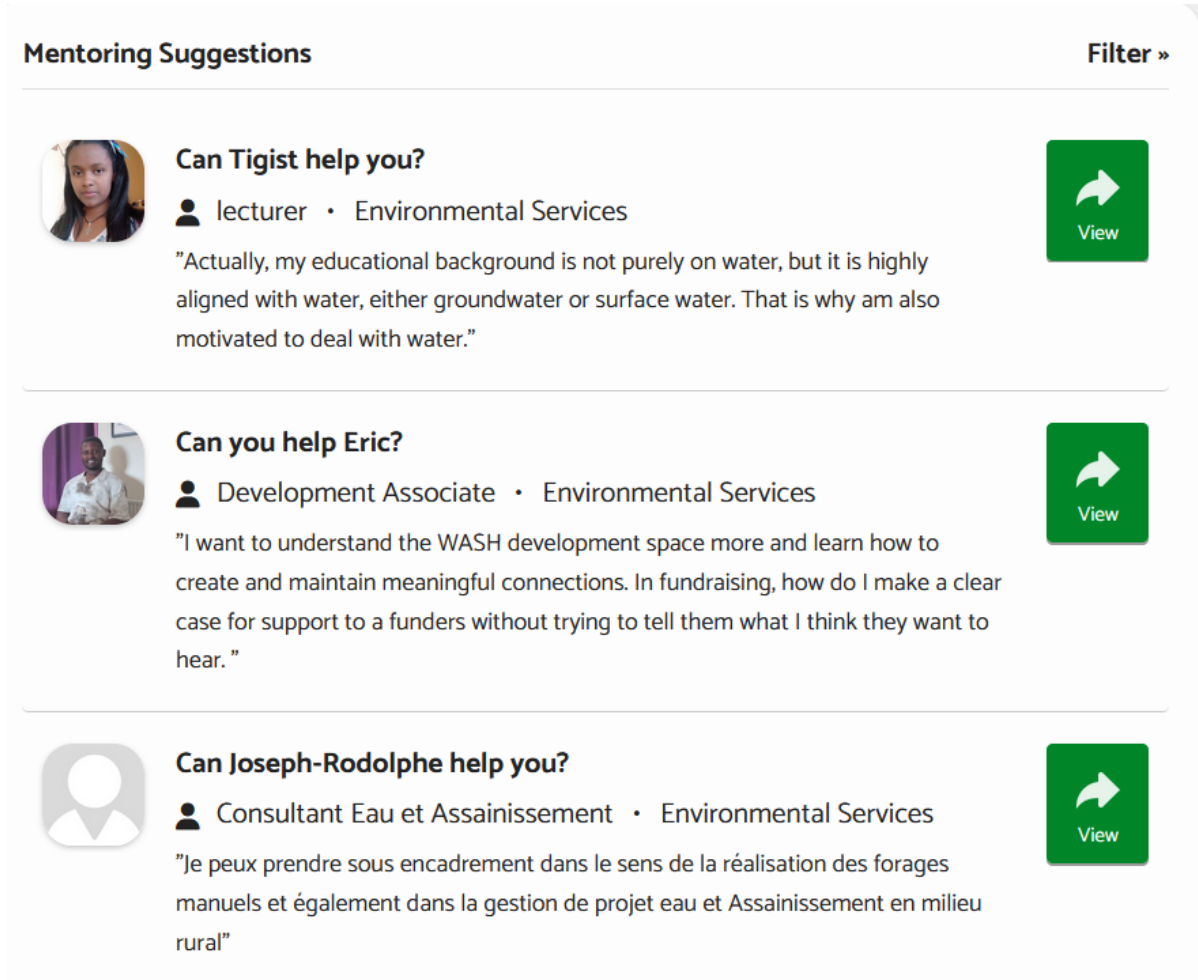
How PushFar works

Like a mix of LinkedIn & Tinder 😊



The screenshot shows a web browser window with the URL <https://www.pushfar.com/profile/>. The profile belongs to Meleesa Naughton, Deputy Director at RWSN Secretariat. Her end goal is to form impactful mentoring relationships, and she is based in London, United Kingdom. The profile includes sections for 'About You' (Water and Climate nerd, Female), 'Your Score' (323), and 'Your Points History' (two points for replying to conversations).

PushFar has a cost – GBP 300/ month for 150 participants (basic package), then GBP 2/ month per additional participants















The screenshot shows the 'Mentoring Suggestions' section with a 'Filter »' button. It lists three suggestions:

- Can Tigist help you?**
lecturer · Environmental Services
"Actually, my educational background is not purely on water, but it is highly aligned with water, either groundwater or surface water. That is why am also motivated to deal with water."
View
- Can you help Eric?**
Development Associate · Environmental Services
"I want to understand the WASH development space more and learn how to create and maintain meaningful connections. In fundraising, how do I make a clear case for support to a funders without trying to tell them what I think they want to hear."
View
- Can Joseph-Rodolphe help you?**
Consultant Eau et Assainissement · Environmental Services
"Je peux prendre sous encadrement dans le sens de la réalisation des forages manuels et également dans la gestion de projet eau et Assainissement en milieu rural"
View

How mentoring with PushFar works

What we can see on the admin side

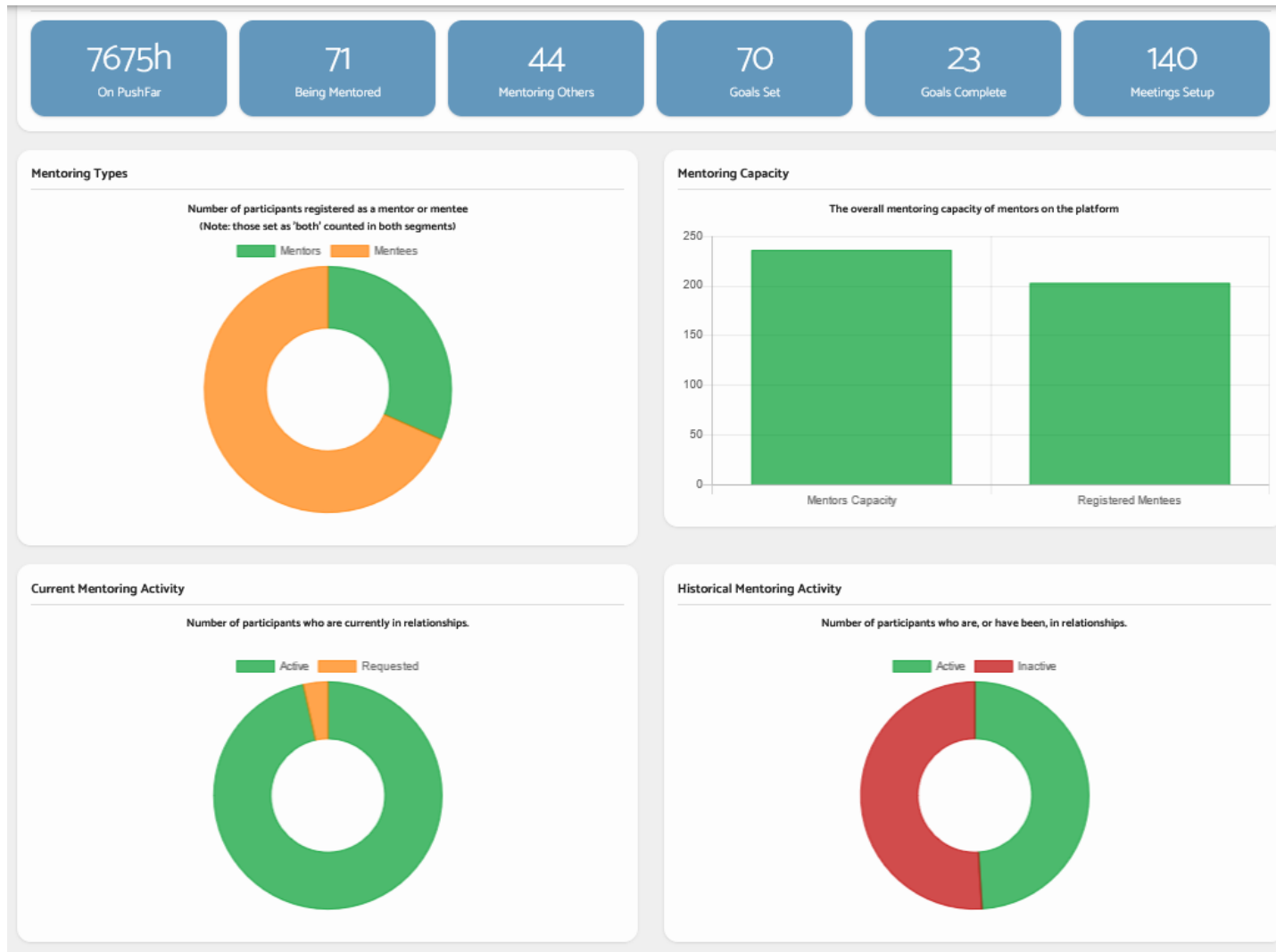
 Yves Etienne Rakotoarison	▶	 Nomenjanahary Henintsoa Rahajarimanana	Relationship Summary Last Meeting: N/A Mentoring Since: 31 Jul 2023 Goals Set: 0 Goals Set	Total Meetings: 0 Meetings Mentoring End Date: 31 Jan 2024 (Active) Goals Completed: 0 Goals Completed	View Details & Feedback -
 Yves Etienne Rakotoarison	▶	 Awa Diagne	Relationship Summary Last Meeting: 5 Aug 2023 Mentoring Since: 21 Jul 2023 Goals Set: 0 Goals Set	Total Meetings: 1 Meetings Mentoring End Date: 21 Jan 2024 (Active) Goals Completed: 0 Goals Completed	View Details & Feedback -
 Yogesh Rana Magar	▶	 Chadia Riahi	Relationship Summary Last Meeting: N/A Mentoring Since: 9 Jul 2023 Goals Set: 0 Goals Set	Total Meetings: 0 Meetings Mentoring End Date: N/A (Active) Goals Completed: 0 Goals Completed	View Details & Feedback -
 Lisa Mitchell	▶	 Adrinkaye Ahina	Relationship Summary Last Meeting: N/A Mentoring Since: 7 Jul 2023 Goals Set: 0 Goals Set	Total Meetings: 0 Meetings Mentoring End Date: 5 Jan 2024 (Active) Goals Completed: 0 Goals Completed	View Details & Feedback -
 Lisa Mitchell	▶	 Tasha Mahanta	Relationship Summary Last Meeting: 14 Jul 2023 Mentoring Since: 5 Jul 2023 Goals Set: 0 Goals Set	Total Meetings: 1 Meetings Mentoring End Date: 5 Apr 2024 (Active) Goals Completed: 0 Goals Completed	View Details & Feedback -
 Alka Palrecha	▶	 Pietro Fasciolo	Relationship Summary Last Meeting: 1 Aug 2023 Mentoring Since: 5 Jul 2023 Goals Set: 0 Goals Set	Total Meetings: 2 Meetings Mentoring End Date: 5 Jan 2024 (Active) Goals Completed: 0 Goals Completed	View Details & Feedback -

We can see in real time who is in a mentoring relationship, how engaged they are (number of meetings, goals...). However many mentors/ mentees don't use PushFar for meetings or goal setting so the data is not complete.

Everything the mentor/ mentee pair discusses is confidential and admins cannot see the content of the notes, meetings, goals etc. RWSN asks each pair to send a mentoring agreement form detailing mentoring objectives, activities but many don't do it.

How mentoring with PushFar works

What we can see on the admin side



We have a LOT more mentees than mentors! As mentors can take on more than 1 mentee, capacity is just about balanced, but we really like to have more mentors...

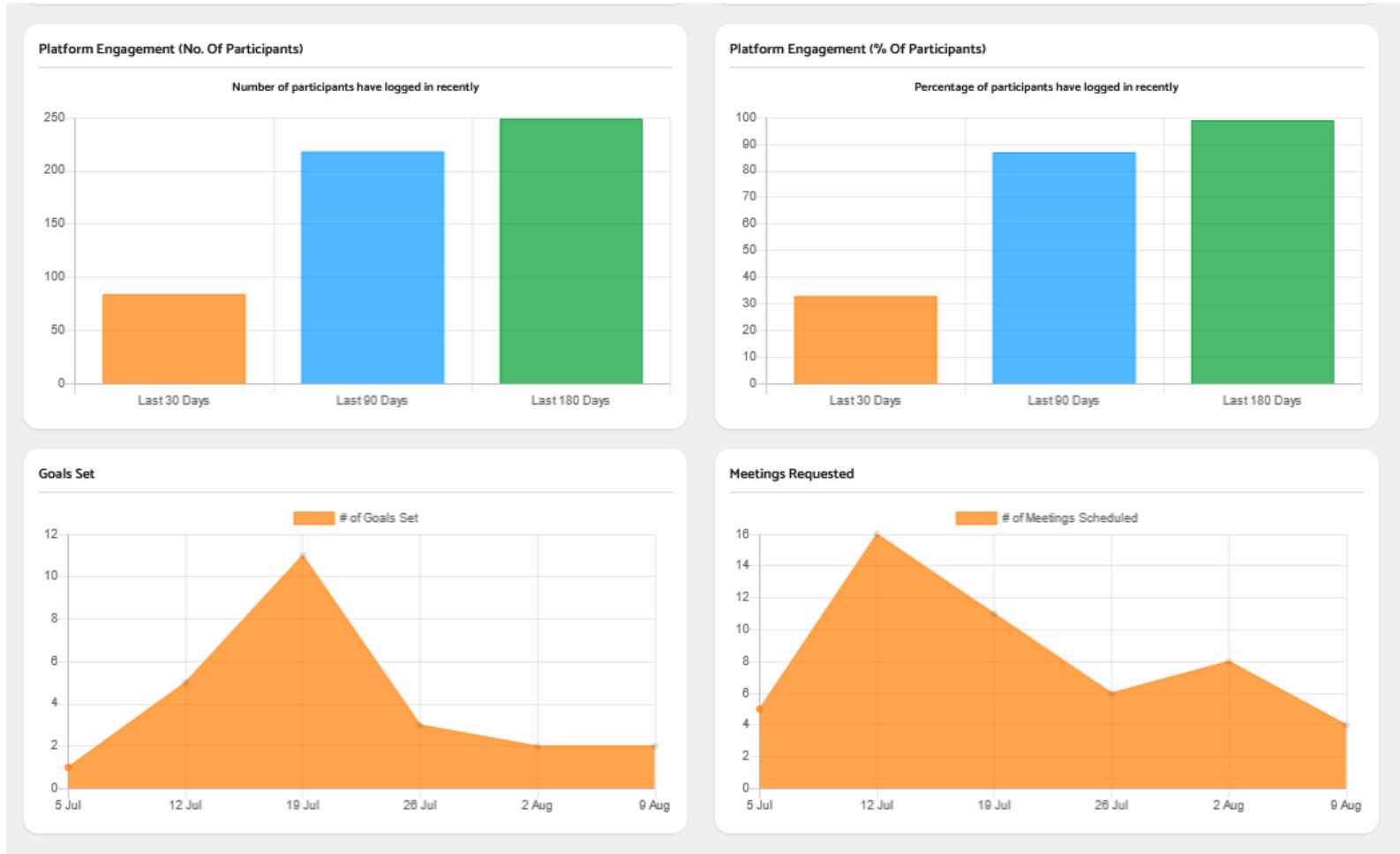
We can see how many people are mentored/mentoring, mentor/mentee capacity, those that are inactive (not in mentoring relationships).

Note % of participants inactive is typically 40-50% of registered participants – this has been constant since the start of the mentoring program.

This year we tried a more active management approach (removing inactive participants to allow new participants to join) but it did not massively change the % of active participants.

How mentoring with PushFar works

What we can see on the admin side



For those that are in mentoring relationships, we can see tangible activity logged in through the platform (though incomplete as many use WhatsApp, Zoom rather than PushFar)

Who are RWSN mentoring programme participants this year?

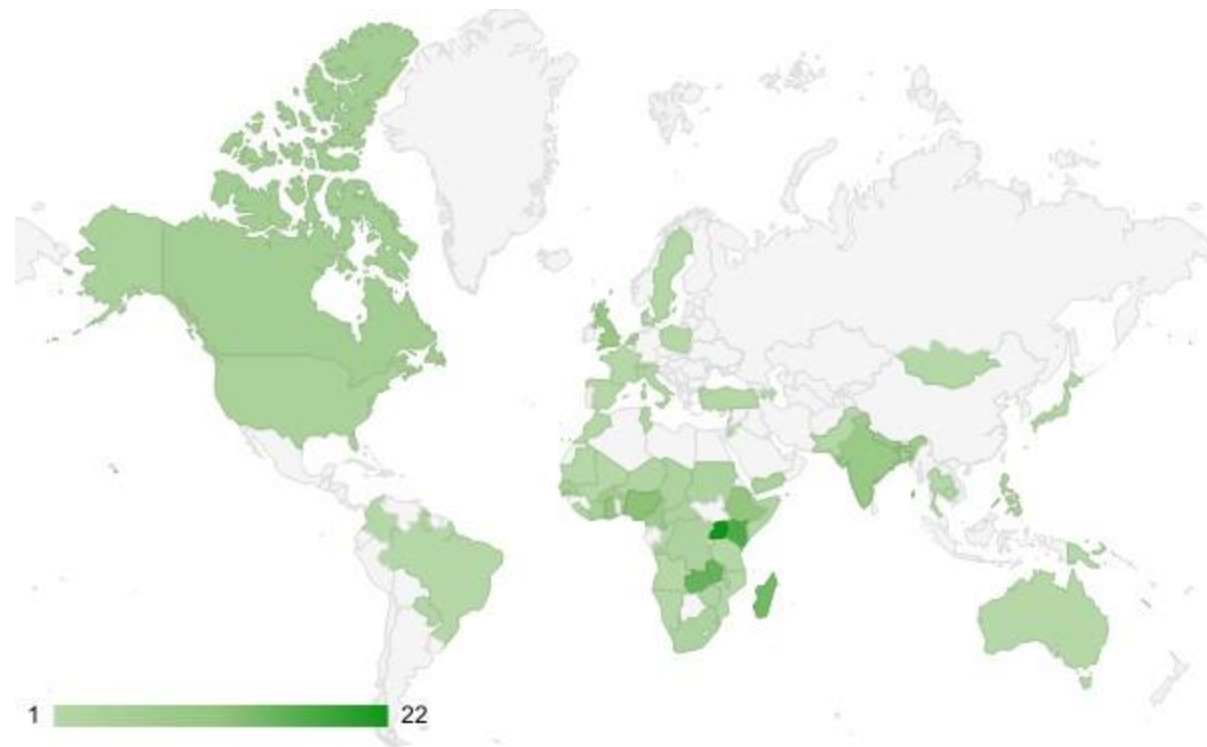
Gender of participants:

	Male	Female
Mentor	63%	37%
Mentee	48%	52%*
Overall	55%	45%

* 90% of female mentees are young professionals; only 10% over the age of 35

- 30% of participants are alumni of RWSN courses (solar pumping, groundwater, drilling)

250 participants from 66 countries.
86% from non-OECD countries (/Global South)
92% of participants are of backgrounds other than white.



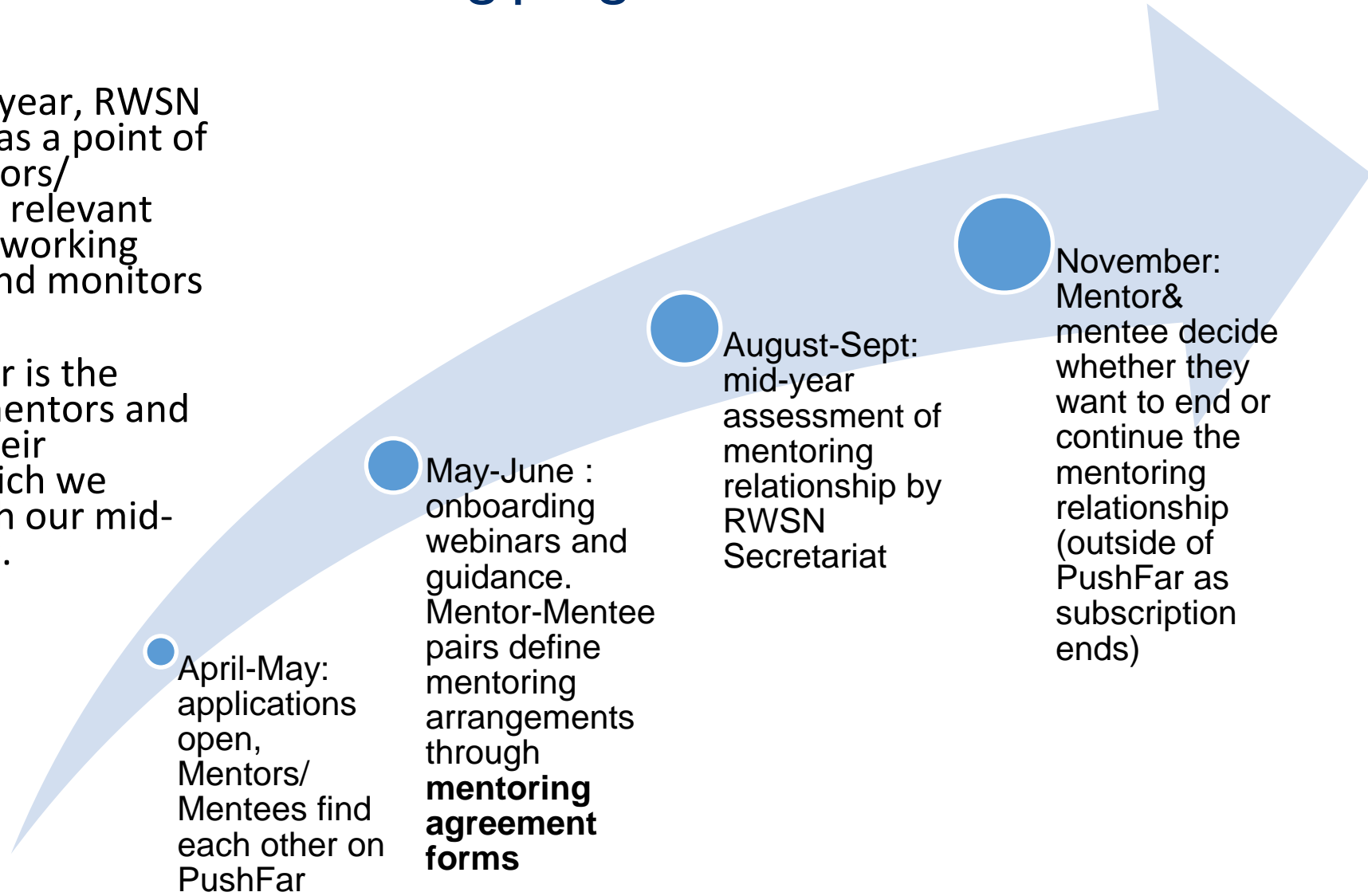
Top countries (no of participants)

Uganda	22
Kenya	17
Zambia	15
Madagascar	14
Nigeria	12
Ethiopia	11
Ghana	11

Timeline of the 2023 mentoring programme

Throughout the year, RWSN Secretariat acts as a point of support to mentors/mentees, shares relevant learning and networking opportunities, and monitors the programme.

Our key indicator is the satisfaction of mentors and mentees with their relationship, which we measure through our mid-year assessment.



April-May: applications open, Mentors/ Mentees find each other on PushFar

May-June : onboarding webinars and guidance. Mentor-Mentee pairs define mentoring arrangements through **mentoring agreement forms**

August-Sept: mid-year assessment of mentoring relationship by RWSN Secretariat

November: Mentor& mentee decide whether they want to end or continue the mentoring relationship (outside of PushFar as subscription ends)

Impact



For those who have a successful mentoring relationship, the impact can last a lifetime. We know of some mentor-mentee pairs from 2019 or 2020 still actively in a mentoring relationship. However difficult for us at RWSN to know this – we usually find out about it anecdotally.

Challenges and where we want to go to next

- **Funding:** we have had 4 different funding partners over the past 4 years with different envelopes, from less than USD 10K to USD 40K (SDC, World Vision, SENSE Foundation, and a RWSN Member Org). As a result we have had to adapt the scale, timing and intensity of the mentoring programme. This has an impact on the quality of the programme and the experience of participants. More budget = more contact time, webinars, onboarding... which helps retain participants and improve their experience.
- **Measuring impact:** we have a lot of data from implementing the mentoring programme over the past 4 years and would like to find an academic partner to help us measure the impact of the programme.
- **Going to scale – where should the focus be?** We see mentoring as beneficial to everyone in the water sector, but should the focus of this programme be on specific groups (youth, women, professionals from the Global South...?)

Questions?





The RWSN Mentoring Programme for the Water Sector

Thank you to all our participants and partners

Partners



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IWA Young Water Professionals

Ines Breda – IWA YWP

WORKING TOWARDS AN ENGAGED AND BALANCED MEMBERSHIP

A STRATEGIC FOCUS SUPPORTED BY COHERENT MEASURABLE ACTIONS ACROSS THE IWA PROGRAM.



- Individuals and organizations from Low-Income Countries benefit from discounted membership fees.
- Increase the number of papers published in IWA journals by LMIC authors and on LMIC agendas
- Strengthen the Water Development Congress to ensure greater representation of LMIC professionals and agendas

WORKING TOWARDS AN ENGAGED AND BALANCED MEMBERSHIP

A STRATEGIC FOCUS SUPPORTED BY COHERENT MEASURABLE ACTIONS ACROSS THE IWA PROGRAM.

- **YWP Steering Committee**
55% Women (trend since 2018)
70% LIC or MIC
- **IWA YWP Country Chapter**
11/18 of the new formed since 2020
are from LIC or MIC
- **IWA Grundfos Fellows**
13 different countries



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Theme 3: Sanitation and Climate

Moderated by Dorothee Spuhler

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Working towards a visualisation tool for GHG emission from sanitation

Prit Salian - GIZ/i-san

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Climate Resilient Sanitation - a call to action and coalition

Kate Medicott - WHO

CLIMATE RESILIENT SANITATION: COALITION FOR ACTION



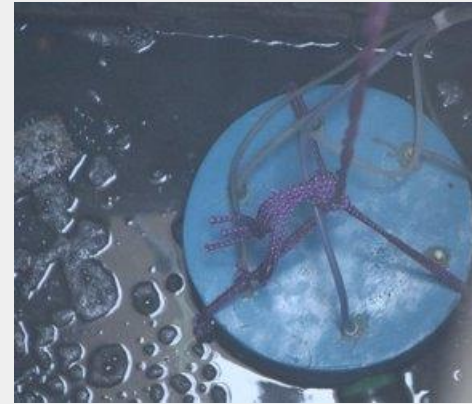
Climate resilient sanitation:
Coalition for action

SuSanA - Stockholm
Tuesday 22 August 2023

The poor state of sanitation limits resilience and meanwhile, sanitation emissions contribute to climate change

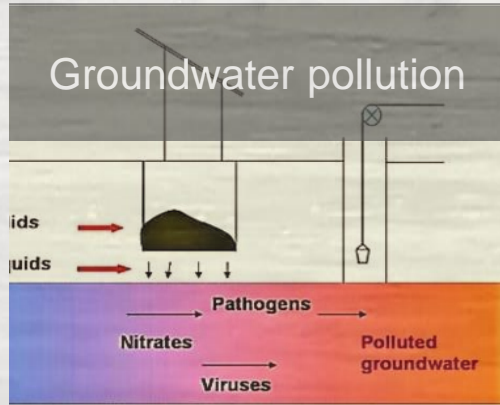
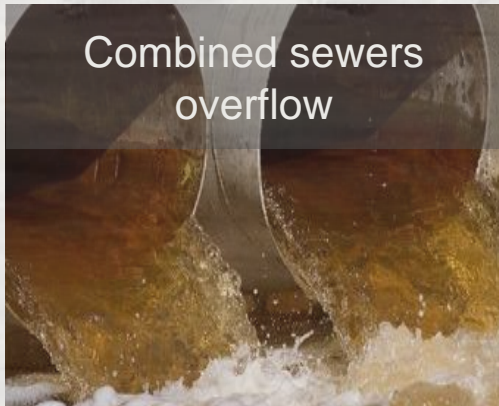


Poor sanitation results in poor health and in pollution, lowering societal resilience



Emissions are more significant than we thought, particularly when systems are poorly managed

Sanitation services do not function with too much or too little water



Too much water....

Too little water....

Gathering momentum

Drawing attention to climate resilient sanitation

Stockholm sessions
2020, 2021 and
2022

COP27 –
Launch of
Call to Action

UN2023

Today!



Sanitation emits significant quantities of greenhouse gases

Climate resilience is missing in sanitation policies

Limited climate funding is directed to sanitation

Progress towards universal sanitation is lagging

What's the issue?
Why a coalition?

Sanitation contributes to wider resilience

Climate change is exacerbating sanitation issues

Sanitation is missing from climate policy dialogue

Adaptation of sanitation service delivery is needed

Coalition vision

Climate resilient sanitation, including adaptation and emissions reduction, is prioritised in policy, plans and investment and recognised in national and sub-national climate policy dialogue and resilience initiatives, particularly urban resilience.

Who are we?



Coalition objectives

Prioritisation:

To increase the prominence of sanitation in climate discussions and build the evidence case for climate resilient sanitation

Investment:

To attract financing to climate resilient sanitation

Capacity:

To support governments with tools and expertise to include climate resilient sanitation in policies, plans and strategies

Coalition activities

Conduct joint events

Develop and share key messages

Write and share climate rationale for financing sanitation

Conduct advocacy and sensitisation meetings with climate actors

Facilitate cross-learning on climate finance for sanitation

Co-author joint Perspective journal article on key directions

Clarify key bottlenecks and research evidence gaps

Make existing tools and resources accessible

CLIMATE RESILIENT SANITATION: COALITION FOR ACTION



Stockholm World Water Week
9am Room C4
Tuesday 22 August 2023

What's next?

Your thoughts

What is
your
feedback to
the
coalition?

Are the
priorities
and
activities
set right?

What would
make the
coalition
effective?

Your action

Follow-up on the action
points in the [Call to action](#)

**Expected formal launch of the
coalition at COP28**

Links

[Call to action](#)
[Technical brief](#)
[Landscape report](#)

To receive updates or engage, contact:
Nathaniel Paynter npaynter@unicef.org
Juliet Willetts Juliet.willetts@uts.edu.au

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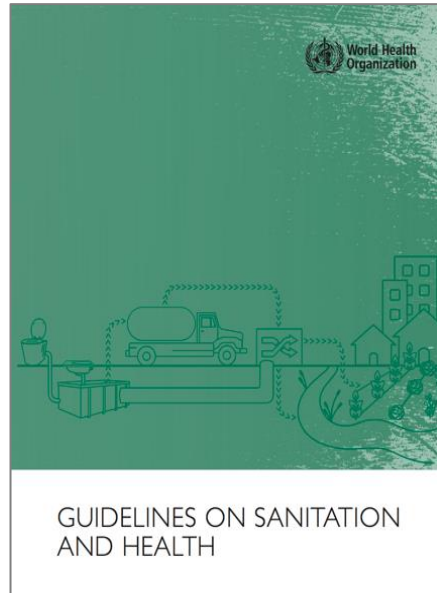
Incorporating climate resilience into global monitoring and tools

Kate Medicott - WHO

Incorporating climate resilience into global monitoring and tools

*Kate Medicott, WHO
For SuSanA meeting
20 Aug 2023*

Tools for Climate Resilience



SANITATION SAFETY PLANNING

Step-by-step risk management for safely managed sanitation systems
Second Edition



All sanitation risk assessment should include climate risks

All SSPs are climate resilient SSPs

[Call to action on CRS | UNICEF](#)



[Homepage - SSP Learning Hub \(creation.camp\)](#)

Monitoring climate resilience

Overall ambition from UNICEF and WHO is to monitor and report on the resilience of WASH services to climate change, harnessing JMP and GLAAS, but doing this in an integrated way.

Complexities of monitoring climate resilient WASH

- There **isn't an agreed upon definition** of climate resilient WASH.
- **Various domains can reflect resilience** ranging from local infrastructure and technologies, management systems, and catchments/settings, to wider enabling environment domains like governance/policies/planning.
 - Some of this is applicable to local systems and cannot be scaled up meaningfully to the national level.
 - There are diverse tools, data sources and candidate indicators.
- **Scope will likely include bigger water** – irrigation, water resources management, etc.
- This **hasn't been done systematically at the global level before**.

Process

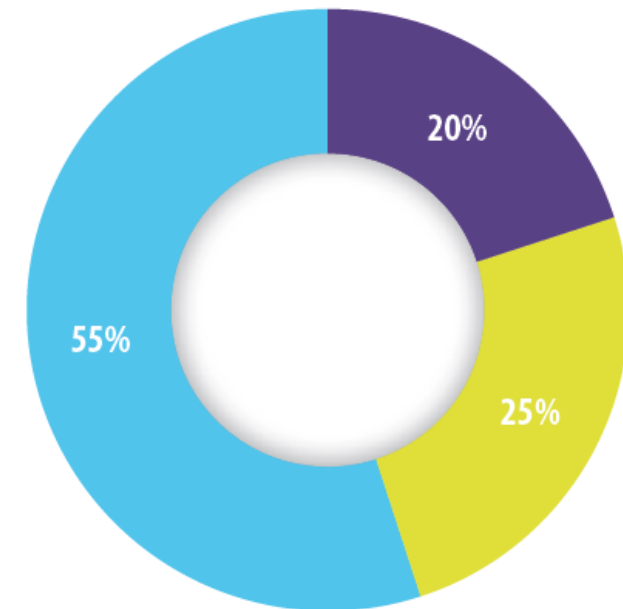
- Necessity of a **rigorous systematic review of indicators**, frameworks, processes, and available data
- Two-pronged approach: 1) **RFP for a research partner** and 2) WHO and UNICEF convened **expert/partner group**
- **Wider consultation** to weigh in on the suitability of proposed indicators to global monitoring
- Officially launch the process soon - RFP coming out in the coming weeks
- **How to be involved now?** Share definitions, frameworks, papers etc. from your organizations!
- **Ultimately will inform global indicators for climate resilient WASH** to be monitored by UNICEF and WHO.

GLAAS 2024/2025 cycle

- Final version of survey by the end 2023 for launch in Q2 2024
- Integrating CR in the four sections: governance, monitoring, human resources and finance by improving and adding questions from the 2021/2022 cycle
- For future GLAAS cycles, the country survey will be revised to reflect the results of the JMP/GLAAS climate resilient WASH monitoring

Level of implementation of climate change preparedness approaches for local-level risk assessment and management of WASH (*n* = 118)

- Implementation at a significant scale
- Implementation at just a few pilot or model sites
- Not implemented



Source: GLAAS 2021/2022 country survey.

Thank you

Let us know if you'd like to be involved and/or stay informed!
Email us at glaas@who.int and info@washdata.org

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**How can sanitation reduce carbon
emissions – and will this bring money?**

Remi Kaupp - CBSA

Climate-smart sanitation in practice: Container-based sanitation

33rd SuSanA Meeting, 20 August 2023

Rémi Kaupp & Isabella Montgomery



CBSA

Container Based Sanitation Alliance

What we'll talk about



Sanitation and carbon emissions: what we know

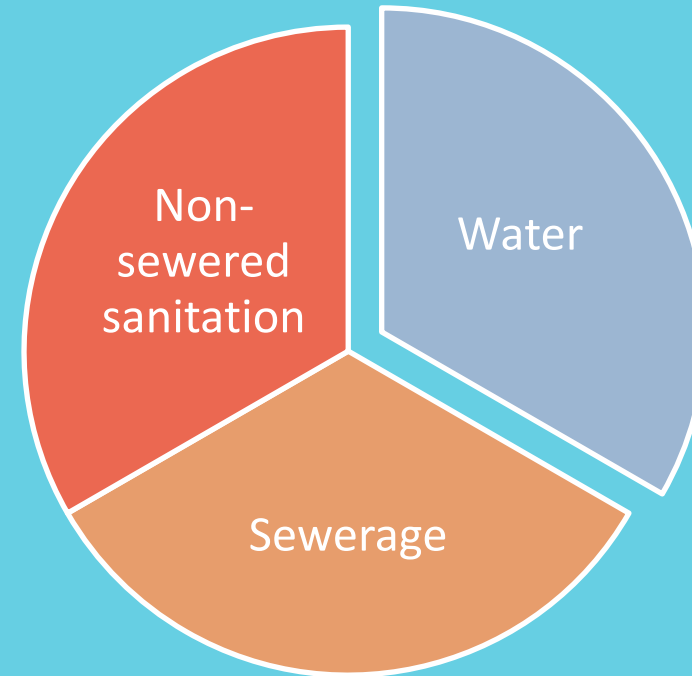


CBS and links to climate



Carbon credits for CBS

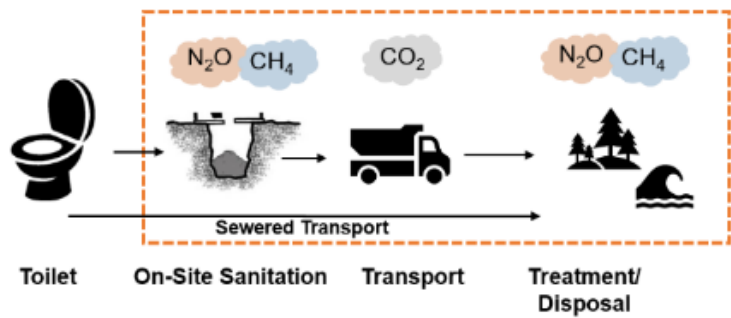
Sanitation and the climate crisis



Global methane emissions from NSS in 2020: 377 Mt CO₂e/year or 4.7% of global anthropogenic methane emissions (= wastewater treatment plants). Eliminating open defecation will add 55 Mt CO₂e/year



Sanitation and the climate crisis



communications
earth & environment

ARTICLE

[Check for updates](#)

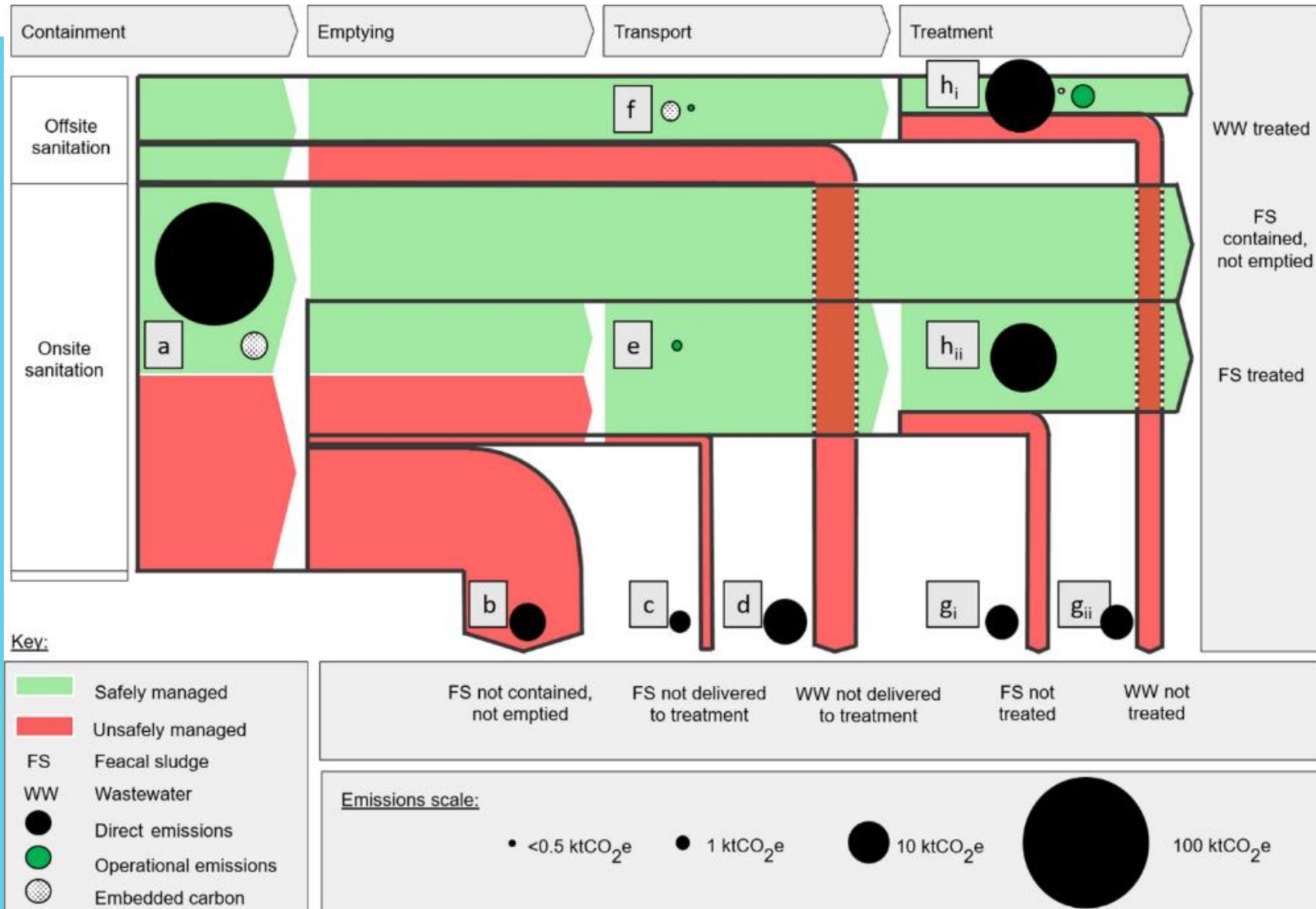
<https://doi.org/10.1038/s43247-022-00413-w> OPEN

Whole-system analysis reveals high greenhouse-gas emissions from citywide sanitation in Kampala, Uganda

Jake Johnson^{1,3}, Fiona Zakaria^{1,3}, Allan G. Nkurunziza^{2,3}, Celia Way¹, Miller A. Camargo-Valero^{1,3} & Barbara Evans^{1,3✉}



Sanitation and the climate crisis



Container-Based Sanitation



An end-to-end service that collects waste hygienically from waterless toilets built around sealable, removable containers.



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sanima



Sanivation
Sanitation as a Service

SANERGY



the Cycle
Water. Women. World

Loowatt



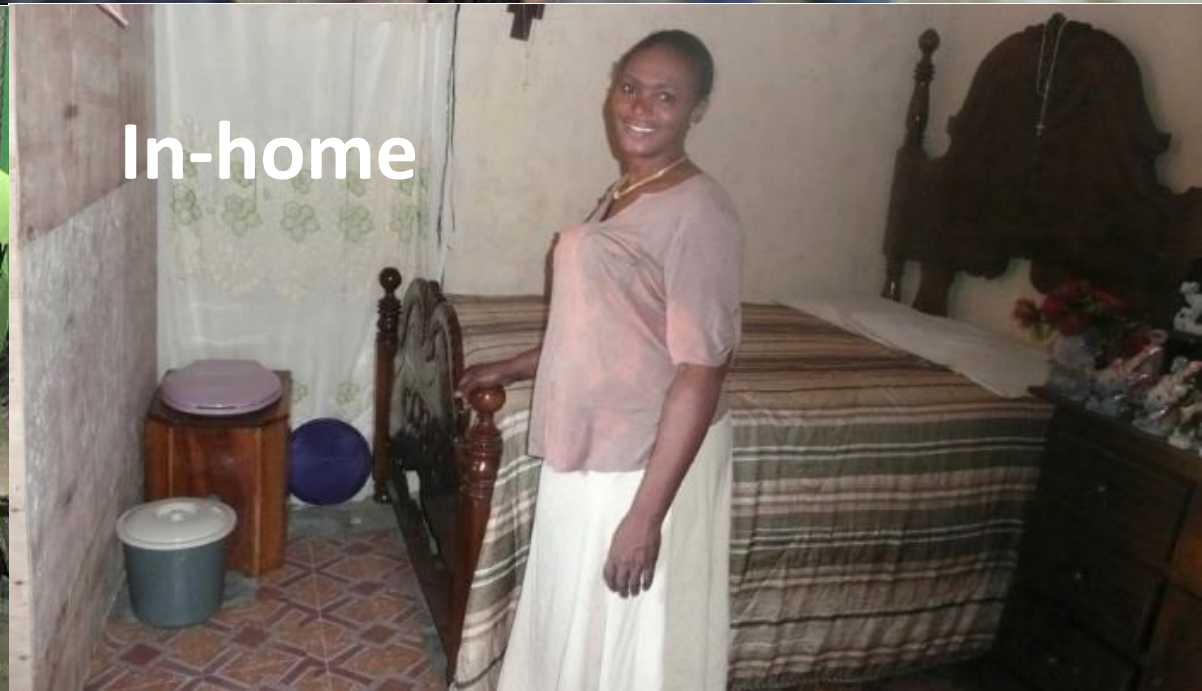
Water Scarcity



Productive



Flood resilience



In-home

Products that reduce emissions



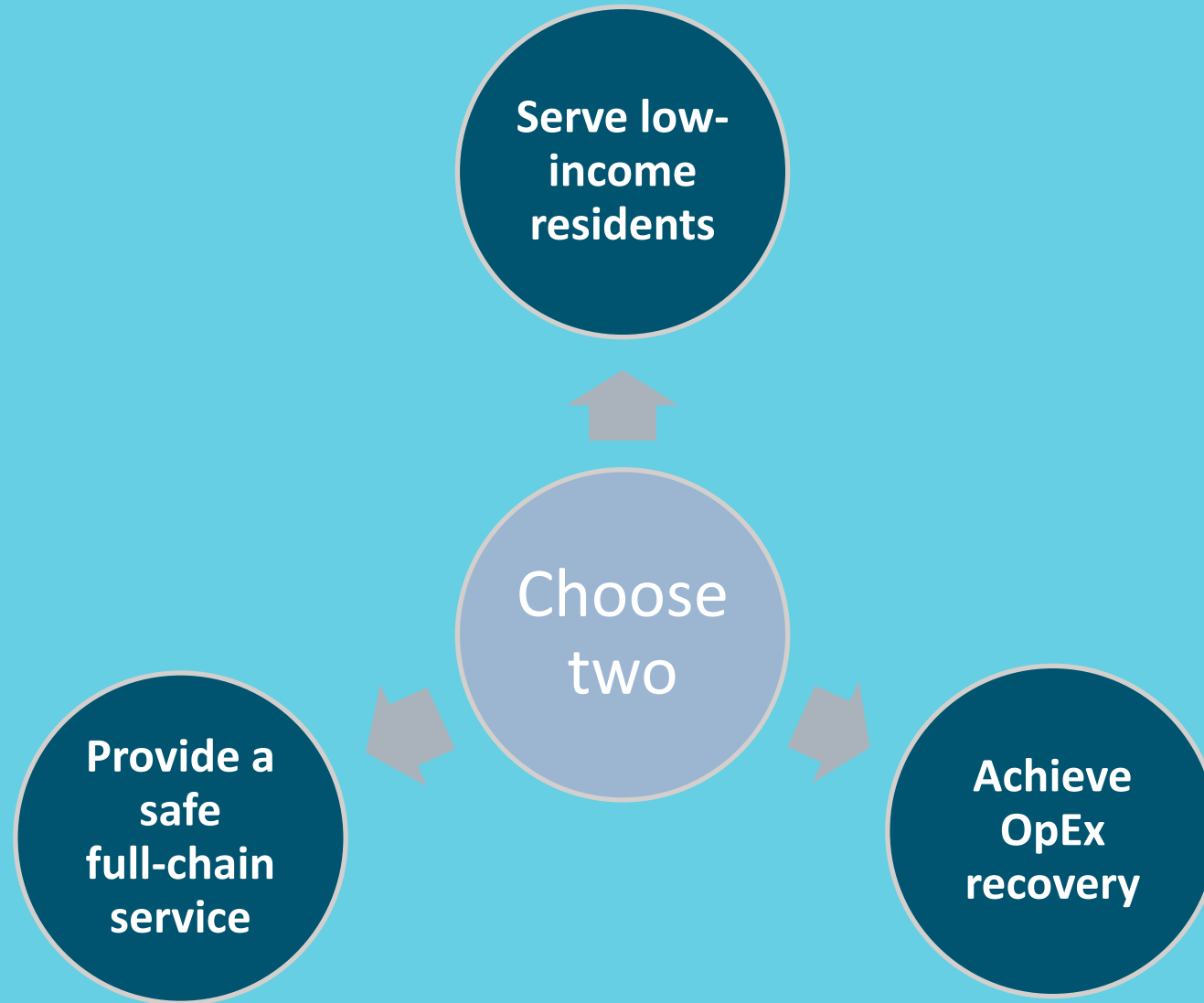
CBS and carbon emissions

2019 study of 4 CBS operators:

- Emission reductions of 80 – 210 kg CO_{2e} / person / year: **eliminating 60% to 95% of emissions**
- Total of 45,000 tonnes CO_{2e} / year
- Transport emissions are negligible compared to reduction in CH₄ and N₂O
- Additional ERs when producing energy or restoring soil.

Next step: can you make money this way?

Why focus on income?



The need for additional income streams



Carbon credits

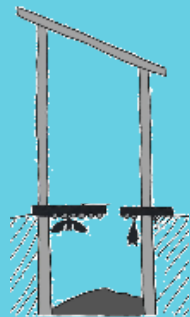
1 Carbon credit = 1 ton of CO_{2e} removed (Emission Reduction)

Emission Reductions = Baseline Emissions – Project Emissions
What would happen normally: What happens with CBS:

Septic tanks



Pits



Irregular emptying

Short containment



Transport



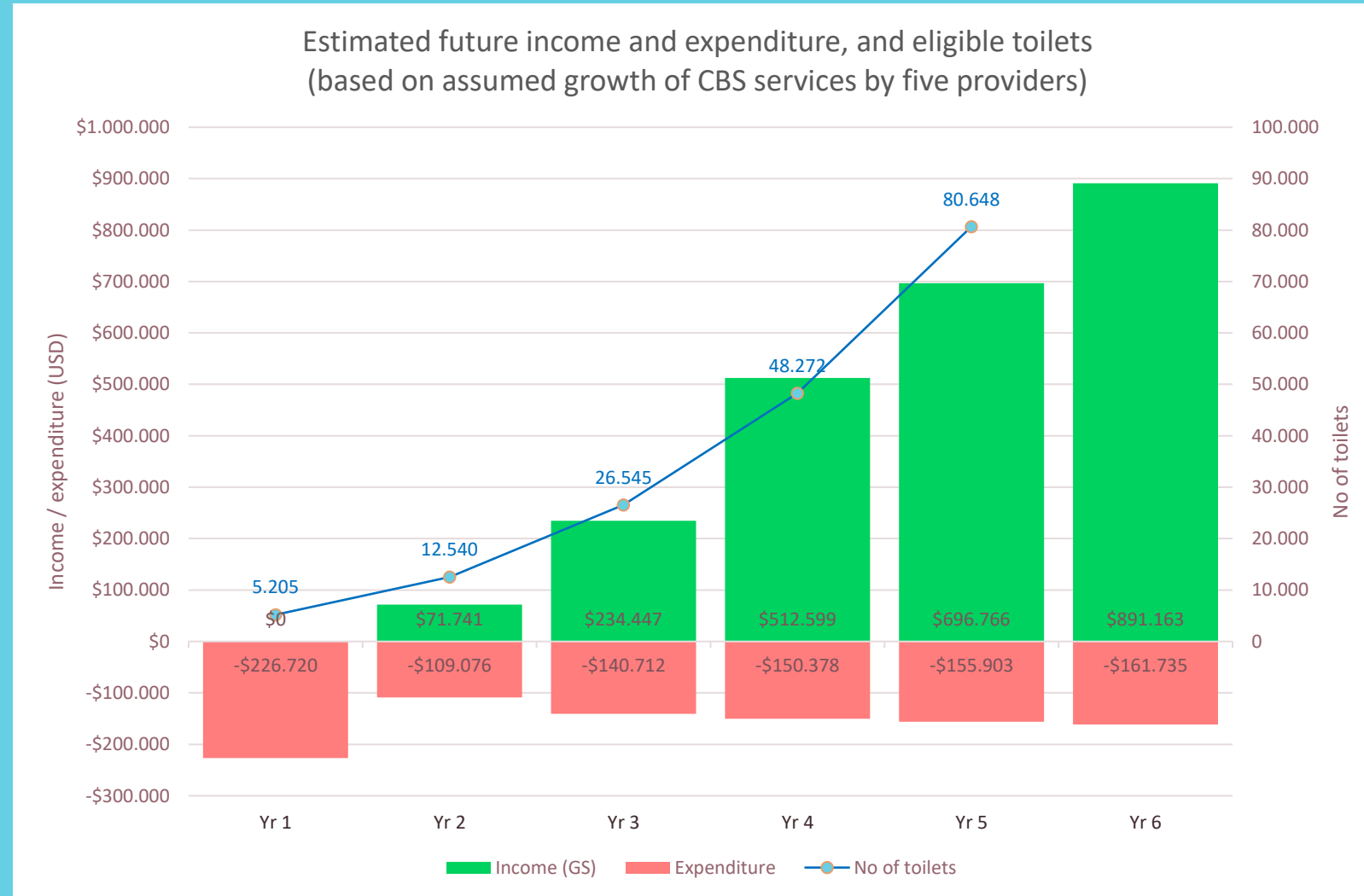
Treatment



Is it feasible to use carbon credits for CBS?

Yes!*

- **Potential revenue: US\$2.4 million over five years**
For 5 CBS operators, using their scale projections
- **\$3 to \$40 per toilet per year**
- **Eliminating 79% to 93% of baseline emissions**



Limitations and more potential

- **Exorbitant registration & certification costs ~ US\$1 million (40% of income)**
 - Registry fees: validation, verification, project design, issuance costs
- **Monitoring costs** can be significant
- Lots of **complexity**
- **Current toilets are ineligible** – need to have a “new project”
- Baseline emissions are **under-counted** – IPCC default values are outdated.
 - Need more research... or influencing!
- **Co-treatment with other waste** provides additional income

What's next?

CBSA: Improving a carbon credits methodology

- Looking into better baseline estimates; group projects; digital monitoring; reducing complexity; maybe expanding to wider off-grid sanitation.
- Creating guidance for CBS operators

Actions needed:

- **Better finance options:** because carbon credits aren't suitable for everybody.
- **Better emission estimates,** especially N₂O & relationship between emptying frequency and emissions
- **Incorporating sanitation emissions** in NDCs, national plans, and municipal / utility finances.

contact@cbsa.global

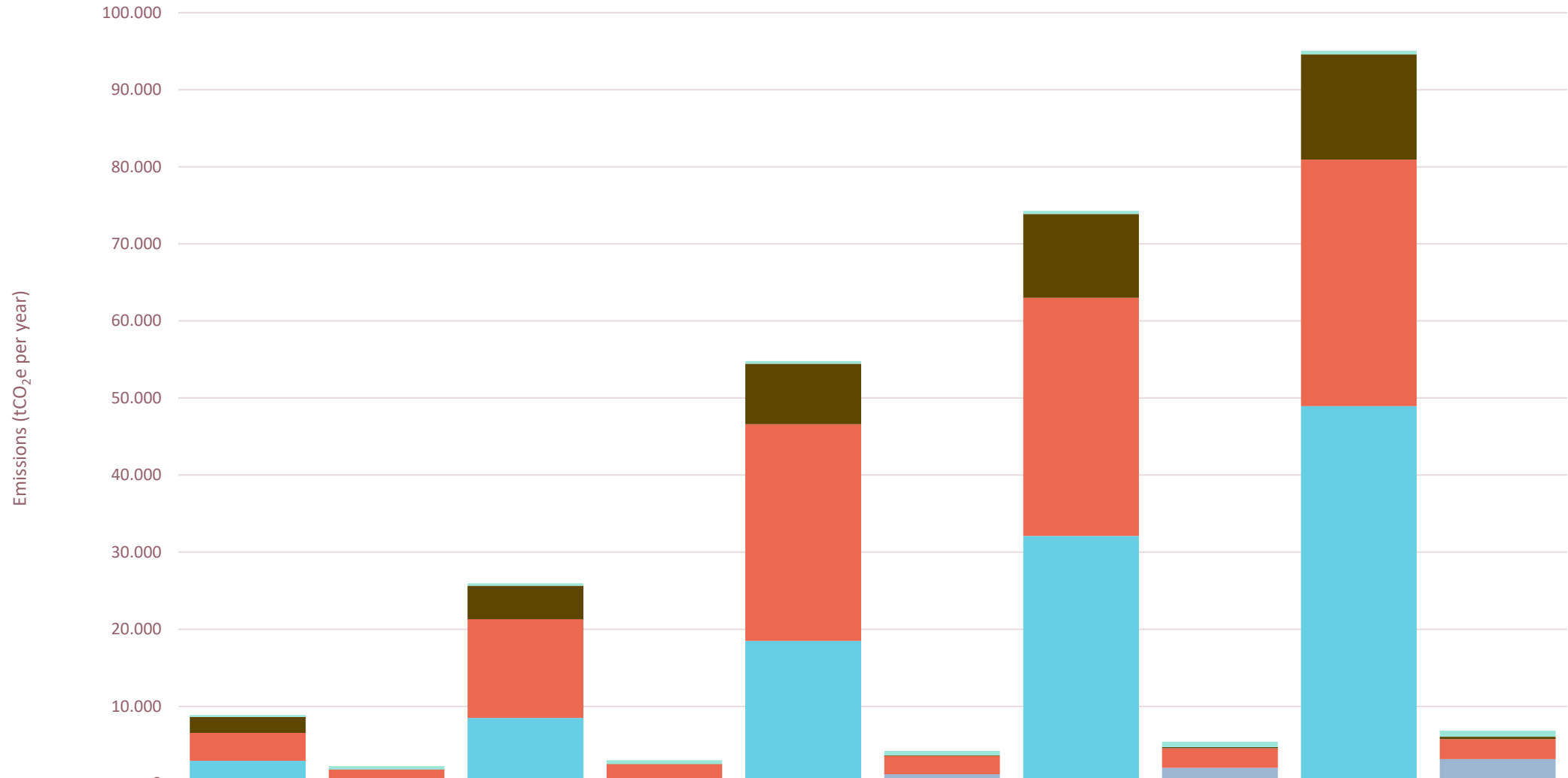


CBSA

Container Based Sanitation Alliance

<https://cbsa.global>

Baseline vs project emissions (tCO₂e)



	Yr 1		Yr 2		Yr 3		Yr 4		Yr 5	
	Baseline	Project	Baseline	Project	Baseline	Project	Baseline	Project	Baseline	Project
End use	249	422	293	492	348	584	408	685	462	778
Waste disposal	2.053	7	4.345	25	7.836	74	10.869	164	13.645	317
Treatment (other)	3.619	1.534	12.833	1.872	28.128	2.385	30.890	2.519	32.003	2.601
Treatment (faecal)	0	245	0	528	0	1.015	0	1.697	0	2.589
Transport	0	30	0	80	0	163	0	333	0	544
Toilets	2.931	0	8.473	0	18.485	0	32.115	0	48.956	0

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MOSAN – Sanitation, Biochar, Soil and Climate

Mona Mijthab - MOSAN

Mosan – The Circular Sanitation Solution


ecological • climate-positive
• regenerative

Mona Mijthab



Forbes



 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development and Cooperation SDC

SUPPORTED BY



An Expo 2020 Dubai Initiative



 UBS

UBS Social Innovators 2016
Shortlisted Candidate, Switzerland



seif
AWARD FOR SOCIAL ENTREPRENEURSHIP

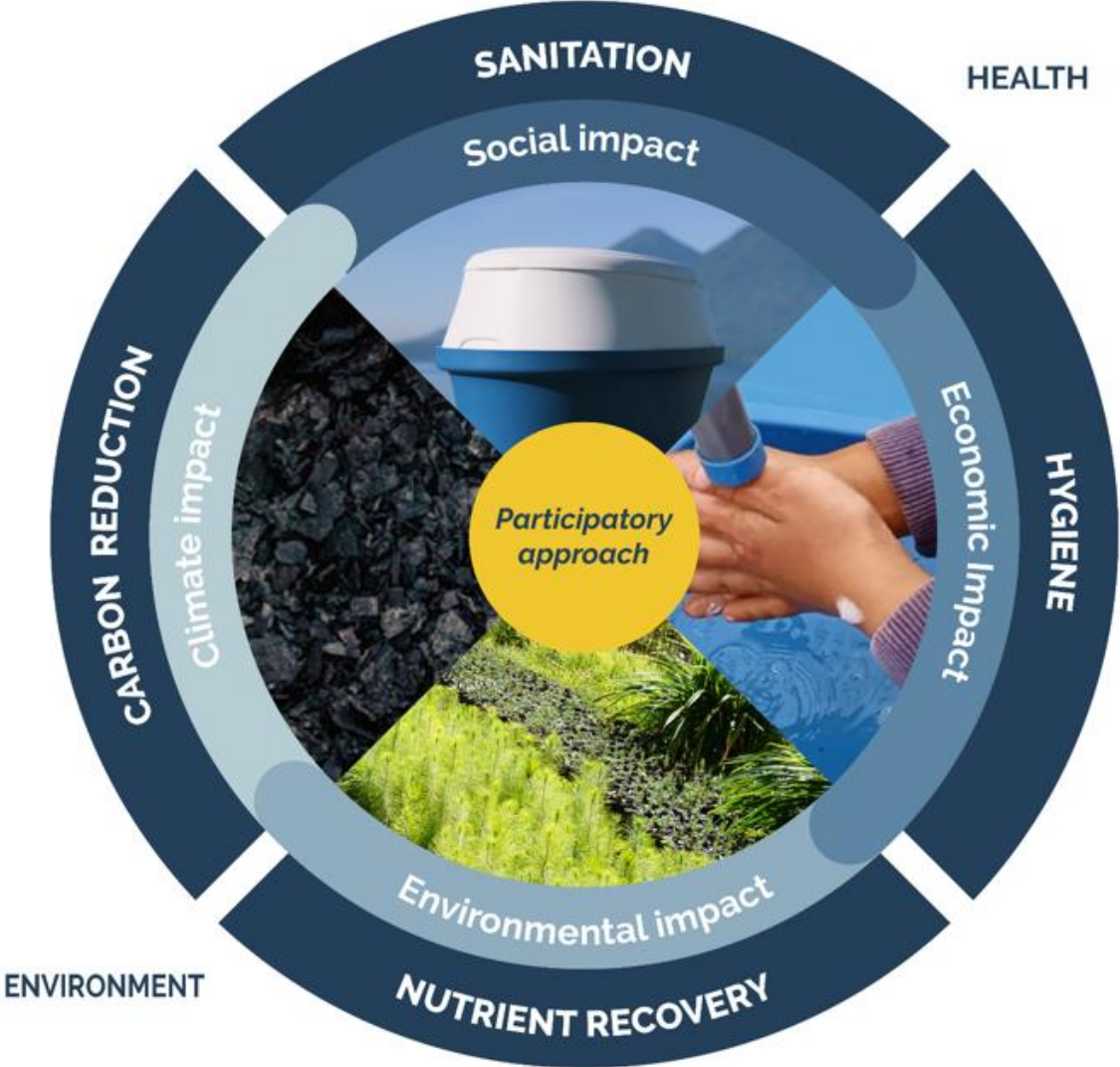


In Guatemala **6 million people** do not have access to basic sanitation service. Every second **500 liters of contamination water** enter Lake Atitlán and affect the surrounding indigenous communities.



The Mosan Model

Innovating with and for people and the planet.



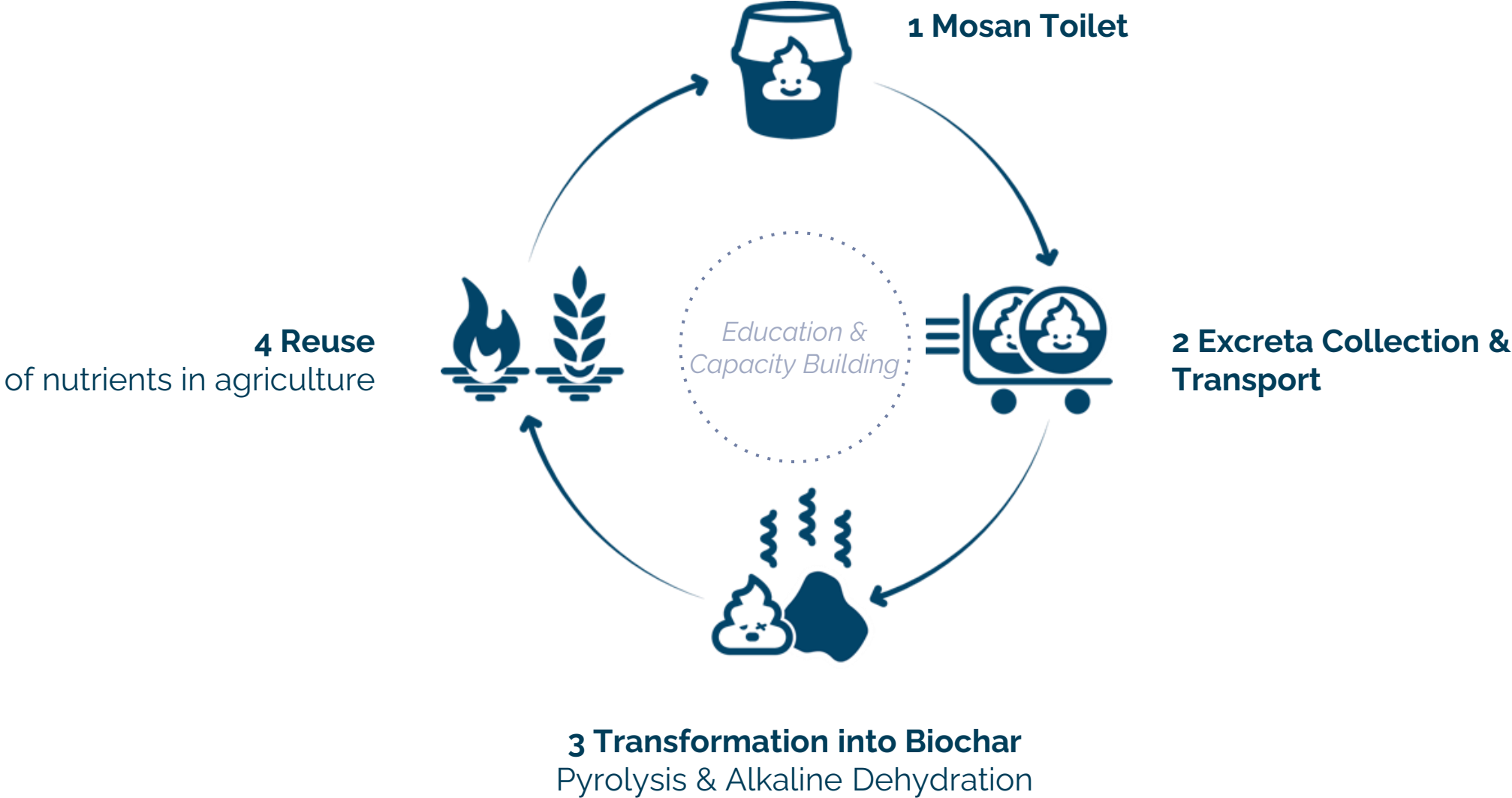
Sanitation services for different contexts

Modular System Solution: decentralized, off-grid, locally designed, built and operated.



The circular Mosan System

Circularity & Regeneration: From Toilet to Field



Awareness Creation & Participation

Personalized approach and Methods



The Mosan Toilet

Award-Winning Container-Based Urine Diverting Mobile Dry Toilet





mosan
Servicio de Saneamiento
para proteger nuestra salud y el lago
Punto de Recolección
www.mosan.cl

Collection and User Service



Transport to the Mosan Transformation Center manually with push carts or with trucks





Different Pyrolysis Batch Reactors
e.g. **from 24kg** (feces, woodchips,
coco), production of **7kg Biochar**
within **1h**



Transformation Approach

Drying system and pyrolysis reactor for feces from 2000 people, energy-efficient using waste as fuel, sun and wind



Biochar Research

International Research Collaboration



Development of biochar for agriculture

- Development of biochar mixes
- Lab testing
- Trials in the greenhouse and on the field
- Participative field trials with farmers

ETH Zürich



AUTORIDAD PARA EL
MANEJO SUSTENTABLE DE
LA CUENCA DEL LAGO DE
ATITLÁN Y SU ENTORNO









Enriching Biochar through alkaline urine dehydration



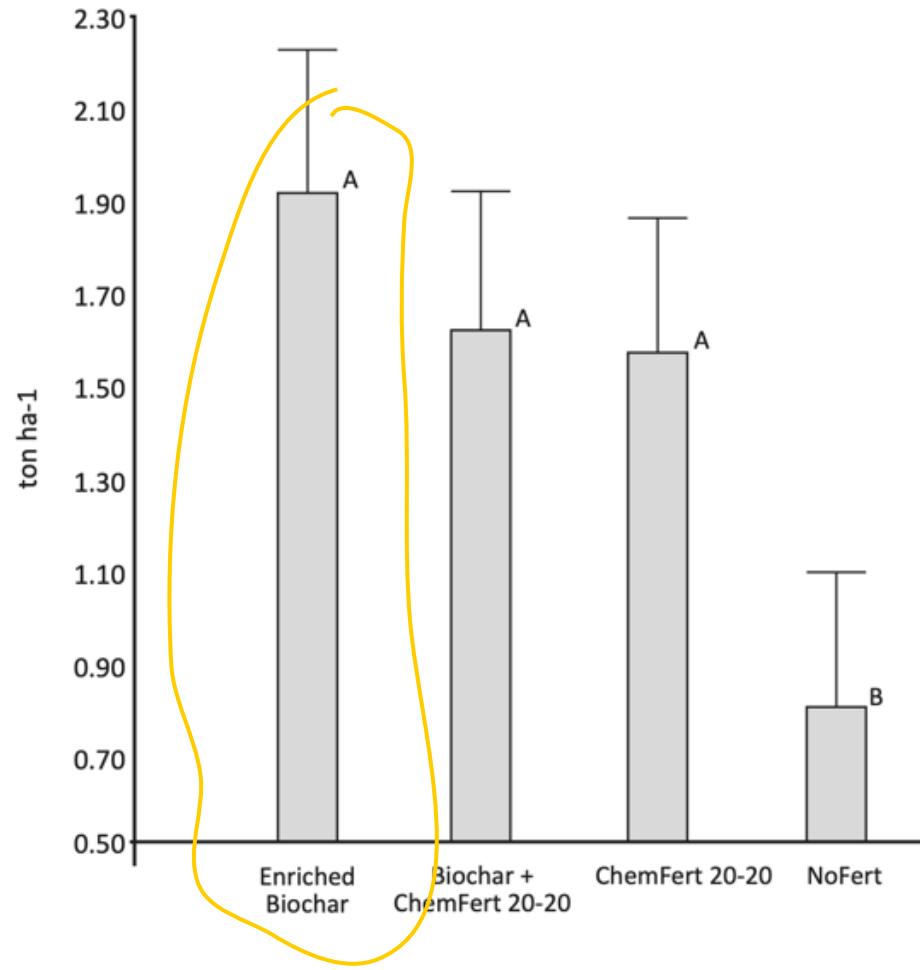
12g nitrogen excreted
per person per day

reuse of **50%–90%**



Results of 2-year Biochar Research

Enriched biochar has increased the maize yield up to 25%



Enriched Biochar = Alkaline Urine Dehydration , **Biochar + ChemFert 20-20**: biochar at sowing added at the usual chemical fertilizer application, **ChemFert 20-20**: Usual application with chemical fertilizer **NoFert**: No Fertilizer

Climate-positive approach

Reducing greenhouse gases and storing CO₂

1

Unsafe sanitation is responsible for **2% – 6% of global anthropogenic methane emissions.**

By replacing a pit latrine, one Mosan Household Toilet saves between **0.3 – 0.5 tons of CO₂/year.**



2

In addition, with the use of one Mosan Household Toilet and the production of biochar, **66 kg of CO₂** are sequestered **every year.**

Sewage Sludge Pyrolysis



one ton of sewage
sludge treated saves
2.4 tons CO₂



Mosan's Design – Build – Operate (DBO) Model



USERS

People/Communities with the need for sanitation.

*Household users pay monthly service fee of **USD 5 per month***

For public toilets individual agreements are made



BIOCHAR CUSTOMER

Farmers, Cooperatives buying biochar for soil fertilization/regeneration.

*Enriched biochar prices up to **5 USD/kg***

In comparison compost sells for 0.4 USD/kg



CARBON MARKET

Carbon Avoidance and Storage

*Between **10–50 USD** per household toilet per year*

Revenue Mix Forecast

*Biochar Sales = **60%***

*User fees/rental service = **20%***

*Carbon Credit sales = **15%***

*Educational Offers = **5%***

One Mosan Community Service

Excreta of **200 families** can produce more than **12 tons of enriched biochar** per year, enough for:

- **120** smallholder farmer lands (1 famer working on 625m² field)
- **4,5 million** reforestation trees.



IMPACTO SOCIAL



AMBIENTAL



CLIMÁTICO



ECONÓMICO



ODS 6, 3, 11, 15, 13

Springer Publication

Mosan: Combining Circularity and Participatory Design to Address Sanitation in Low-Income Communities



Circular Economy and Sustainability



[Editorial board](#) | [Aims & scope](#) | [Journal updates](#)

The *Circular Economy and Sustainability* journal aims to bring a new approach of the key concepts of circular economy and sustainability, by combining the scientific disciplines of economy, management, engineering, technology, environment, and society. As circular economy is necessary today to promote the goals of sustainable development; these scientific areas are not independent to each other, but their relations, interactions and



Original Paper | [Open Access](#) | [Published: 08 November 2021](#)

Mosan: Combining Circularity and Participatory Design to Address Sanitation in Low-Income Communities

[Mona Mijthab](#), [Raluca Anisie](#)  & [Omar Crespo](#)

[Circular Economy and Sustainability](#) **1**, 1165–1191 (2021) | [Cite this article](#)

815 Accesses | [Metrics](#)

Mijthab, M., Anisie, R. & Crespo, O. Mosan: Combining Circularity and Participatory Design to Address Sanitation in Low-Income Communities. *Circ.Econ.Sust.* 1, 1165–1191 (2021).
<https://doi.org/10.1007/s43615-021-00118-w>



[Instagram](#) / [Facebook](#) / [LinkedIn](#) @mosanitation

www.mosan.com mm@mosan.com



Time for Coffee and Tea
(20 minutes Break)

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Theme 4: Sanitation and Resource Recovery

Moderated by Daniel Ddiba

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Ecological Sanitation – Can feces feed the world?

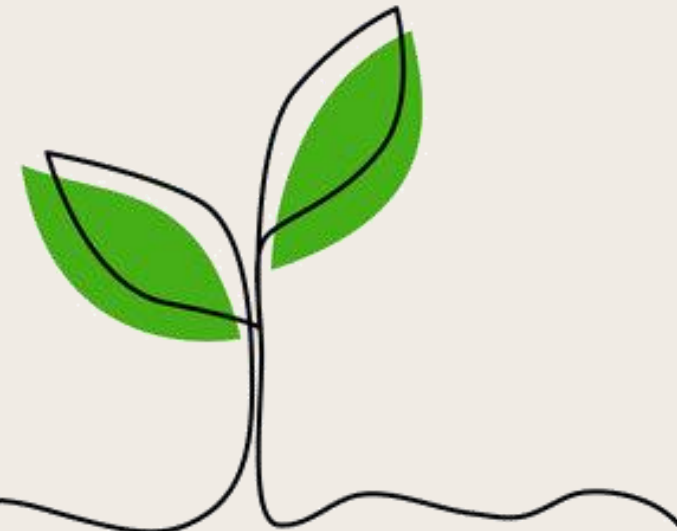
Katie Allen (University of Leeds)



Can Feces Feed the World?

Katie Allen

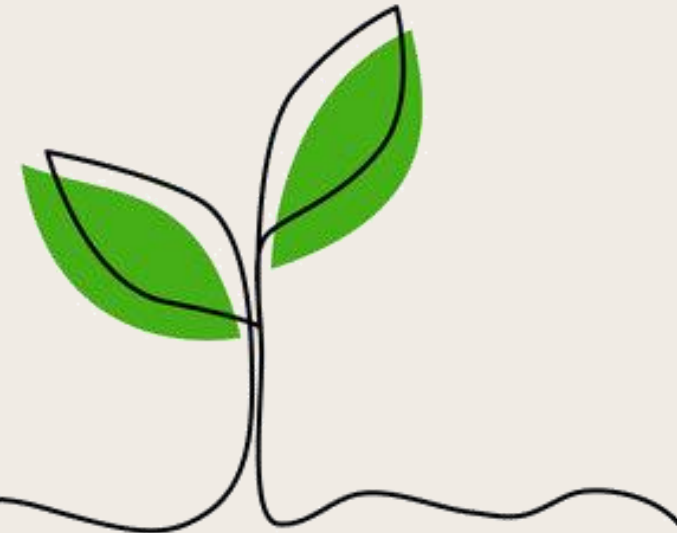
PhD Researcher in Ecological Sanitation
University of Leeds



Organic Matter – 22,000t / day

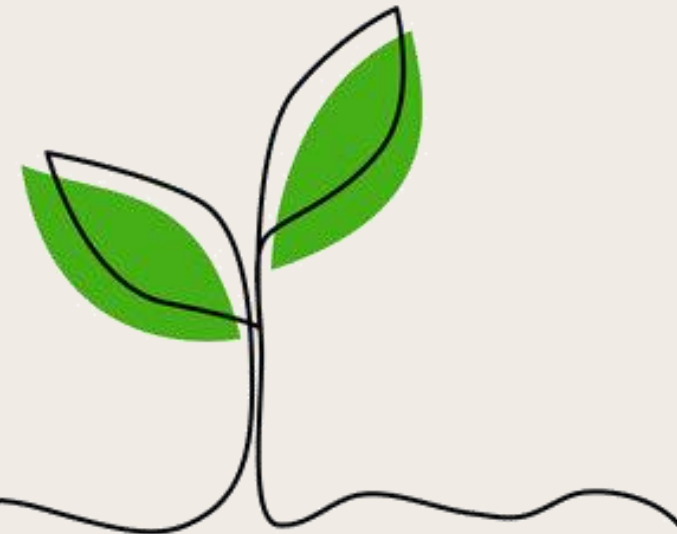
Nutrients - \$26bn / year

Water – 70% freshwater abstractions

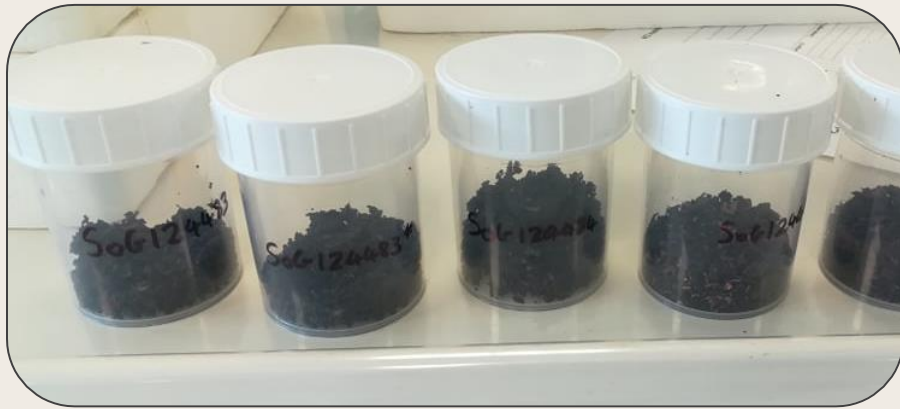
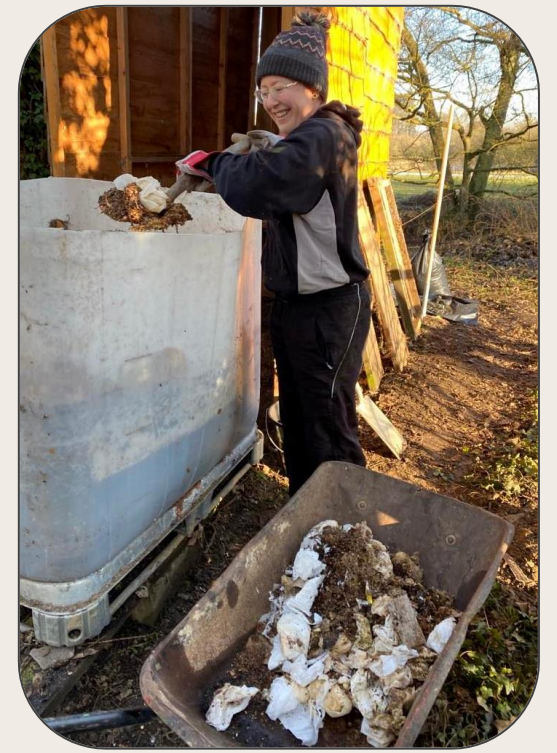
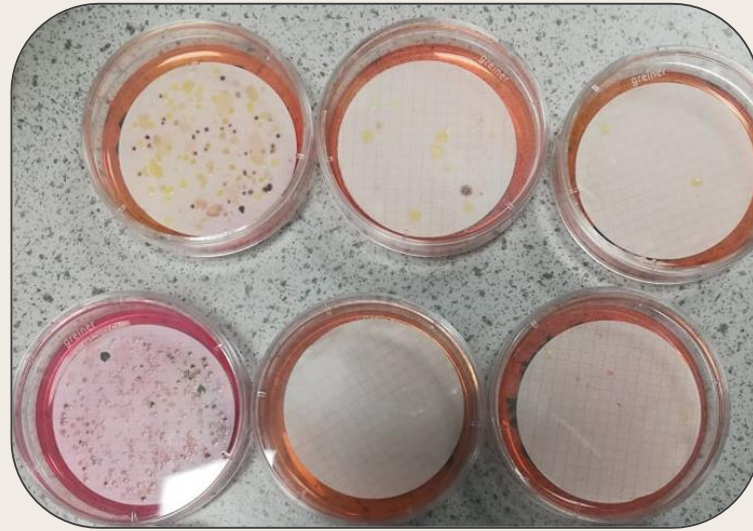




Humanure

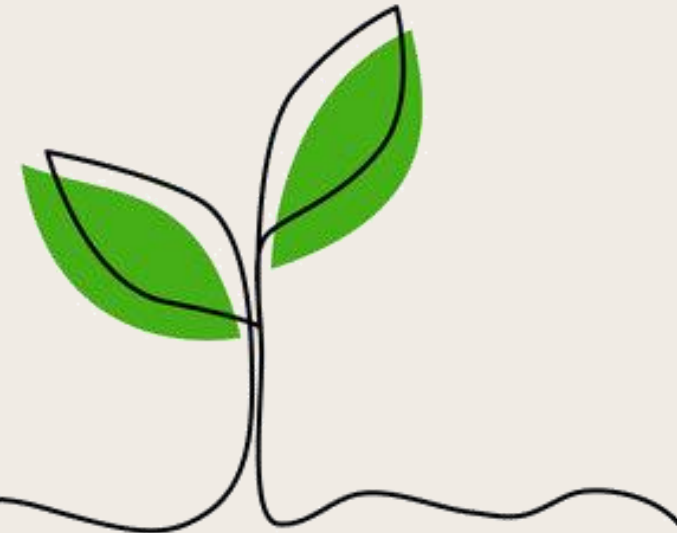


Food Security
Soil Health
Public Health
Livelihoods
Planet



A Systematic Review of the Effects of Fecal Sludge Derived Amendments on Crop Growth and Soil Health

Katie Allen,* Erika L. Rodríguez López, Steven A. Banwart, and Barbara Evans



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sanitation
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Food Security through Satellite Farming

Sunday Andrew Opoke – Succour City
Foundation

SATELLITE FARMING

Improving Food Security through Satellite Technology to Transform Agriculture.



IMPROVING FOOD SECURITY THROUGH SATELLITE FARMING

WORLD WATER WEEK

STOCKHOLM, 2023.

IMPROVING FOOD SECURITY THROUGH SATELLITE FARMING.

A PRESENTATION DURING THE 2023 WORLD WATER WEEK

BY

ENGR. SUNDAY ANDREW OPOKE (Ph.D, KSP)

FOUNDER: SUCCOUR CITY FOUNDATION.

20TH AUGUST, 2023

AT

STOCKHOLM, SWEDEN.

OUTLINE

- ▶ DEFINITION
- ▶ THE PURPOSE
- ▶ THE PROSPECTS
- ▶ THE PROCESS
- ▶ WHAT WE OFFER
- ▶ INTRODUCING SAT2FARM APP

WHAT IS FOOD SECURITY?

According to the United Nations Committee on World Food Security, food security is defined as meaning that all people, at all times, have physical, social, and economic access to sufficient, safe, and nutritious food that meets their food preferences and dietary needs for an active and healthy life.

What Are The Components Of Food Security?

- Availability of food.
- Access to food.
- Utilization of food.
- Stability of food supply.
- Diet diversity.

What Are Indicators Of Food Security?

► Indicators of food security include:

1. Massive Crop production
2. Market access,
3. Access to water,
4. Access to precision agriculture.
4. Diet diversity.

WHAT IS SATELLITE FARMING?

DEFINITION

- ▶ This is a process of using **satellite** monitoring in **farming systems** to increase yield, improve precision, and early detection of issues with crops.
- ▶ The system uses **satellite** data to monitor crop growth and other climate-related conditions, such as biomass, temperature and precipitation
- ▶ The process can also be used in detecting and controlling pests and disease, understanding water and nutrient status and Planning crop nutrition programmes.

THE AIM:

- ▶ **Increasing farm income by using satellite remote sensing**
- ▶ **To easily access and visualize the satellite data over any farm on the globe.**
- ▶ **Improving food security**
- ▶ **Global wealth creation**

THE PURPOSE AND THE PROSPECTS:

- ▶ EASE AND CONVENIENCE IN FARMING.
- ▶ IMPROVING AND INCREASING YIELD.
- ▶ MONITORING OF CROP GROWTH.
- ▶ DETECTING CROP DISEASES AND EARLY.
- ▶ IMPROVING CROP HEALTH.
- ▶ IMPROVING SOIL HEALTH.
- ▶ ACCURATE PRECISION IN WEATHER FORECAST.
- ▶ PLANING AND DECISION MAKING.
- ▶ SECURITY OF FARMERS.

THE PROCESS:

- ▶ DOWNLOAD THE SAT2FARM APP
- ▶ ADD YOUR FARM BY SELECTING
 1. WALK OR
 2. DRAW
- ▶ GEO TAGGING/GEOFENCING OF YOUR FARM BOUNDARY
- ▶ ADD YOUR FARM DETAILS
 1. CROP NAME
 2. CROP AGE
 3. FARM NAME
 4. CROP TYPE
 5. DATE OF SOWING

THE PROCESS CONTINUED;

▶ SELECT YOUR DESIRED SERVICE

1. WEATHER FORCAST

2. SOIL MOISTURE CONTENT ESTIMATION FOR IRRIGATION PURPOSES

3. CROP HEALTH STATUS

4. CROP MOISTURE CONTENT

5. SOIL HEALTH STATUS

PROCESSING OF YOUR DATA

REPORTS

WHAT WE OFFER?

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the frame, creating a modern, layered effect. The text 'WHAT WE OFFER?' is centered in the upper half of the image in a bold, dark green, sans-serif font.

1. Weather Forecast

2. Scientific Crop Calendar.

3. Areas Land Mapping

4. Crop Nutrient Deficiency Detection.

5. Identification Of Pests And Disease Infestation.

WHAT WE OFFER CONTINUED;

6. Crop Health Monitoring.

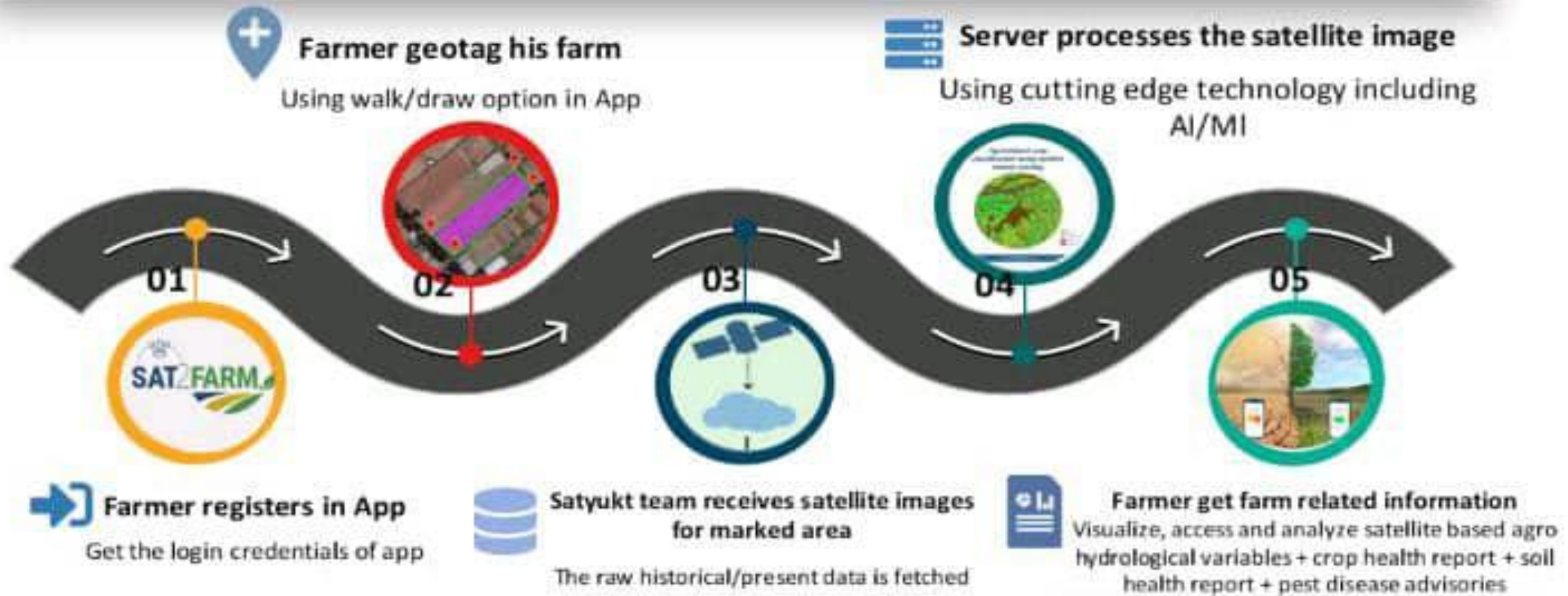
7. Forecast Of Pest/Disease.

8. Satellite-Based Soil Moisture Estimation.

9. Optimal Irrigation Requirement Estimation

INTRODUCING SAT2FARM APP

HOW SAT2FARM WORKS:



LOCATION OF FARM (GEOTAGGING/GEOFENCING)

Step 1



Download and
Install Sat2Farm

Step 2



Sign up with
referral code
and Login

Step 3



Select Walk or
Draw option

Step 4



Geotag your
Farm boundary

Step 5



Add crop name and
date of sowing



SOIL HEALTH REPORTS.

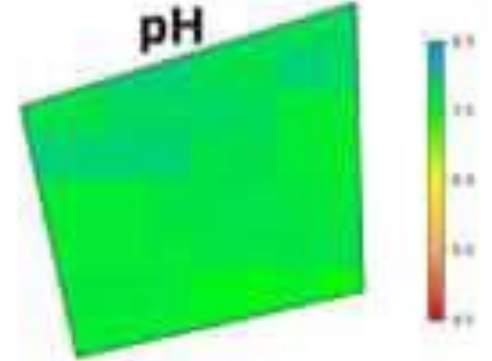


Soil health reports
without taking the soil
sample

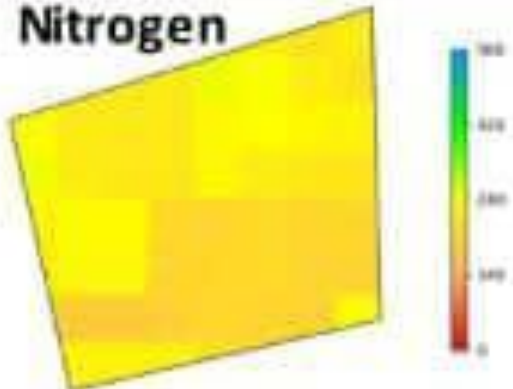
Soil Organic Carbon



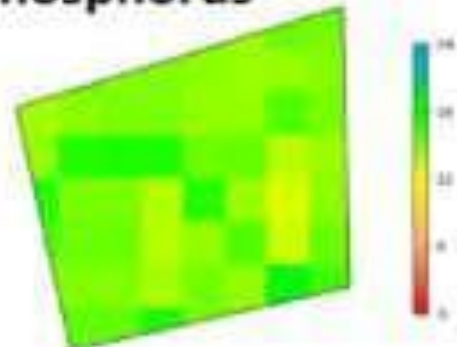
pH



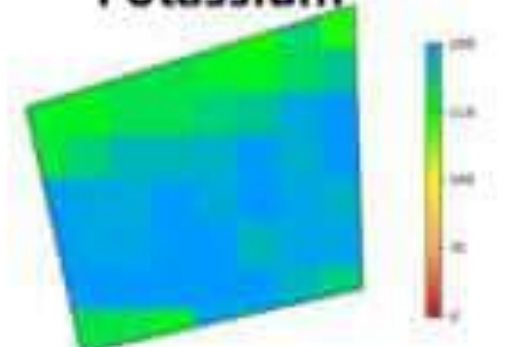
Nitrogen



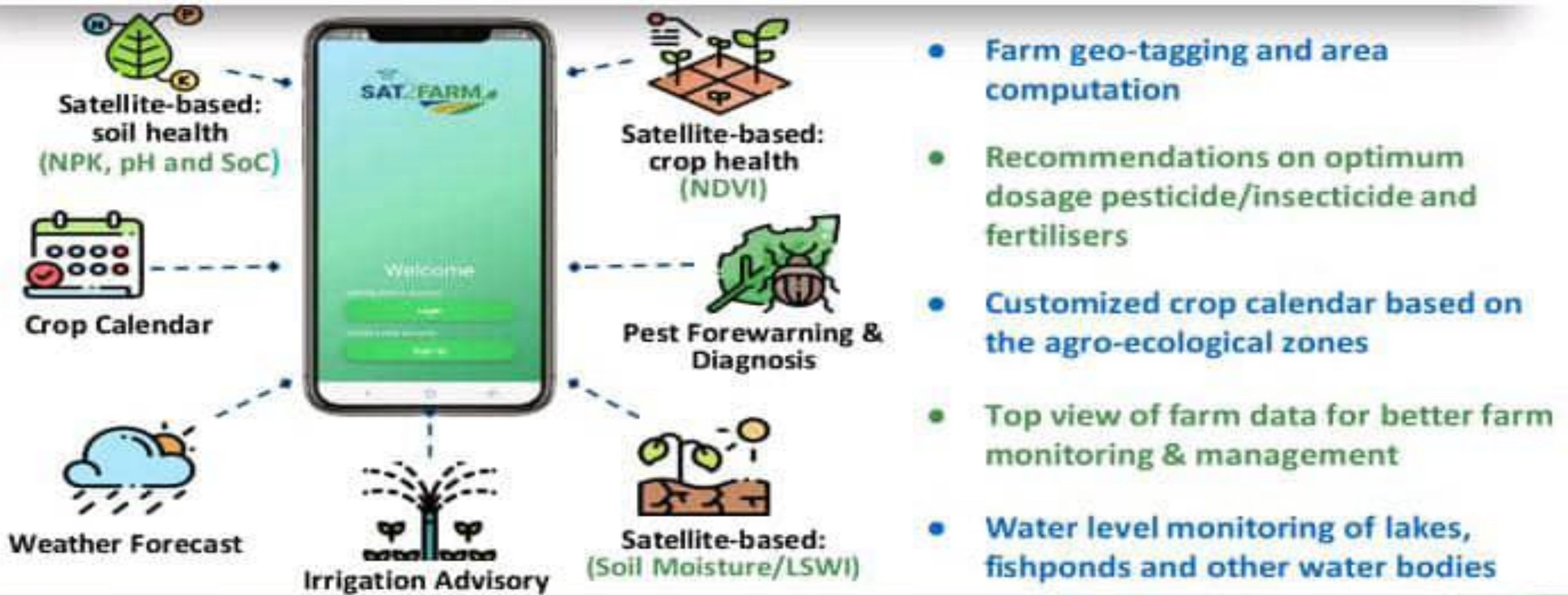
Phosphorus



Potassium



SUMMARY OF SAT2FARM SERVICES:



**THANK YOU FOR
LISTENING.**

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**Resource Recovery Toolbox – an online
platform for making resource recovery
tools more discoverable and accessible**

Daniel Ddiba - SEI
Linus Dagerskog - SEI

Resource Recovery Toolbox

An online platform for making
resource recovery tools more
discoverable and accessible

Daniel Ddiba

daniel.ddiba@sei.org

Linus Dagerskog

linus.dagerskog@sei.org



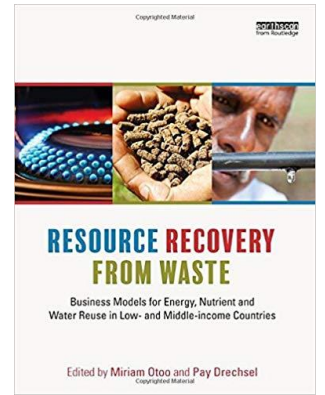
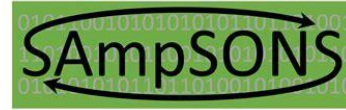
The context



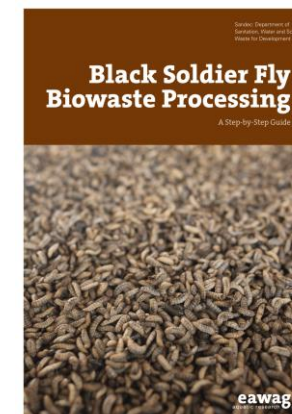
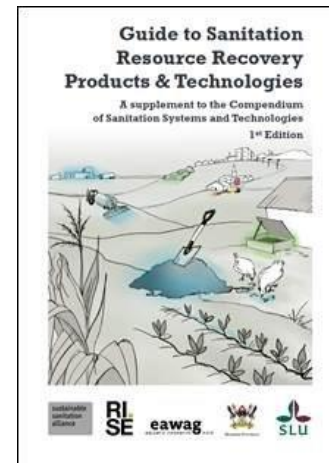
We need to recover and reuse resources in our sanitation waste streams to meet global challenges of resource scarcity amidst a growing population

The problem

It is difficult to navigate the multiple tools, software, frameworks, business models, datasets, manuals, guidelines, case studies etc which are scattered across different platforms, so as to get relevant support to design, plan and implement resource recovery initiatives



This is **ECAM**, the
**Energy Performance and
Carbon Emissions
Assessment and
Monitoring
Tool**



WRATE



Our proposed
solution

An open access website platform that collates and curates tools for planning and implementing resource recovery from organic waste streams in urban areas - **the Resource Recovery Toolbox**

Why does this matter?

For developers of tools, this toolbox will boost the visibility of their work.

For (potential) users, this platform will provide discoverability and access.

The Toolbox will hence contribute to bridging between knowledge and action.



What will we do?

Collate tools

Create the web-based platform

Curate and share widely in the sector



How can you get involved?



Web developer? We'll need your services to Create the platform



Tool/Resource creator? Tell us about your tools so that we can include them



Resource recovery enthusiast/practitioner? Express your interest in the platform and tell us how it would best serve your needs

Get in touch!

Daniel Ddiba

daniel.ddiba@sei.org

Linus Dagerskog

linus.dagerskog@sei.org

Project web-page

www.sei.org/projects/resource-recovery-toolbox/

Coordinated by:



With funding from:



sustainable
sanitation
alliance

Presentation of Va-Loo: a network for promoting resource-oriented sanitation systems in Switzerland

Dorothee Spuhler – Eawag-Sandec / Va-Loo



VaLoo

Making Value from
what goes into the
Loo

Our mission is to promote resource-oriented sanitation systems in Switzerland by connecting actors, raising awareness in society, and creating an enabling environment.

Association



Co-creation in an umbrella association with members from all segments.

Collaboration



Support collaboration amongst members, with authorities and international colleges.

Advocacy



Understand the legal framework and and advocacte to improve it.

Communication



Communicate about alteranitives to linear sanitation and advantages.

19.11.2020
World Toilet Day

01.2021 – 11-2021
Follow up Meetings

19.11.2021
World Toilet Day

Needs,
Expectations,
Motivations

Form, Function,
Action

Founding
Assembly

Secretariat



VaLoo Board





Advocacy

The Advocacy Working Group is dedicated to initiating an enabling legal environment for Circular Sanitation in Switzerland. To do so, they already took part in the consultation of the [partial revision of the USG](#). Philippe Reymond and Andri Heidler are the leaders of this group. [Send us an e-mail](#) to participate and learn more about further activities.

International Collaboration

Circular Sanitation is also full of potential beyond borders. In order to benefit from international synergies and advancing our mission at the international level, the working group International Collaboration was created, which is managed by Michel Riechmann. [Send us an email](#) to help strengthen international synergies.

Knowledge & Awareness

In this working group members collect, create and curate knowledge on Circular Sanitation for the Swiss context. One of their outputs so far has been [the infographic](#). The group is coordinated by Dorothee Spuhler and Gina Marti. If you want to participate or have further questions, please [contact us](#).

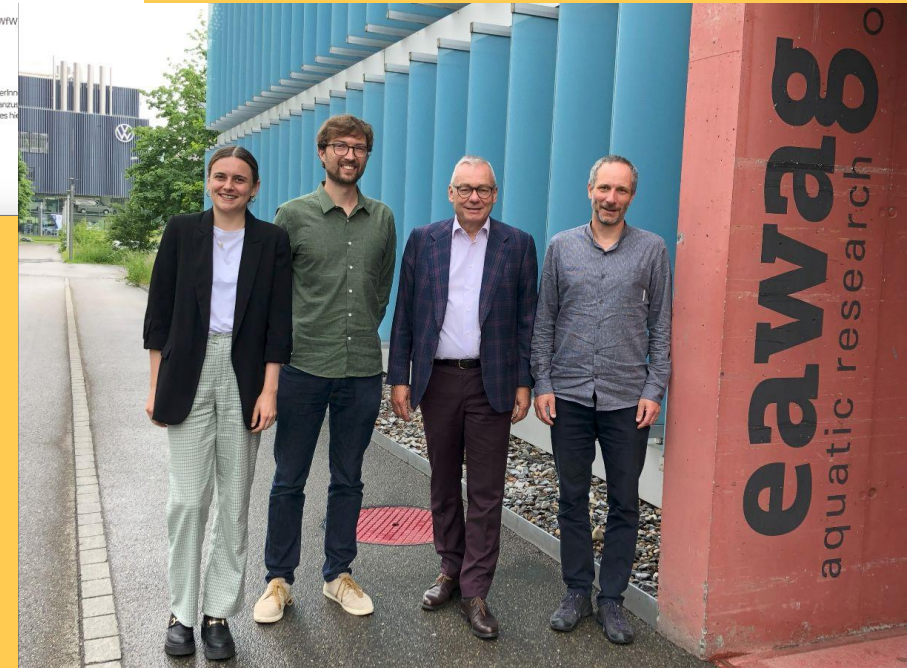
Roadshow

To make Circular Sanitation more tangible, VaLoo is planning a mobile exhibition, stopping at various locations in Switzerland! If you want to support the leaders Jojo Casanova-Linder and Lukas Baumgartner in this important mission, we are looking forward to [hearing from you](#).

Advocacy Work in Switzerland



1. Source separation
2. Preventing waste also for wastewater
3. Nutrients supply chain security
4. Forste Swiss technology innovation





	PARAMETER	PILOT-VERSUCH	GRENZ- ODER RICHTWERT	REFERENZ
KOMPOST-QUALITÄT	Trockensubstanz	60%	> 55 %	DüBV
	Organische Trockensubstanz	30.9 % TS	≤ 50.0 % TS	DüBV
	pH-Wert	7.72	< 7.8	Qualitätsrichtlinie Kompost und Gärgut (2010)
	Extraktfärbung	0.5 (= HZ 20)	< 0.5 (= HZ 20)	Qualitätsrichtlinie Kompost und Gärgut (2010)
	Salzgehalt	10.3	≤ 20.0 gKCL/kgTS	Qualitätsrichtlinie Kompost und Gärgut (2010)
NÄHRSTOFFE	elektrische Leitfähigkeit	1054 µS/cm	keine Angaben (k.A.)	DüBV
	Gesamt-N nach Kjeldahl	13.1	≥ 10.0 g/kgTS	DüBV
	Ammonium-N	7.85	< 200 mg/kg TS	DüBV
	Nitrat-N	334	> 80.0 mg/kg TS	Qualitätsrichtlinie Kompost und Gärgut (2010)
	Nitrit-N	0.967	< 20 mg/kg TS	Qualitätsrichtlinie Kompost und Gärgut (2010)
	Nmin	341.8	> 100 mg/kg TS	Qualitätsrichtlinie Kompost und Gärgut (2010)
	Verhältnis C/N	13.65	k.A.	Qualitätsrichtlinie Kompost und Gärgut (2010)
	Phosphorpentoxid P2O5	8.03 kg/t TS	k.A.	DüBV
	Kaliumdioxid K2O	15.29 kg/t TS	k.A.	DüBV
	Calcium Ca	38.7 kg/t TS	k.A.	DüBV
	Magnesium Mg	9.07 kg/t TS	k.A.	DüBV
	Schwefel S	2.19 kg/t TS	k.A.	Qualitätsrichtlinie Kompost und Gärgut (2010)

Diskussionspapier

Rechtliche Grundlagen der Verwertung menschlicher Ausscheidungen

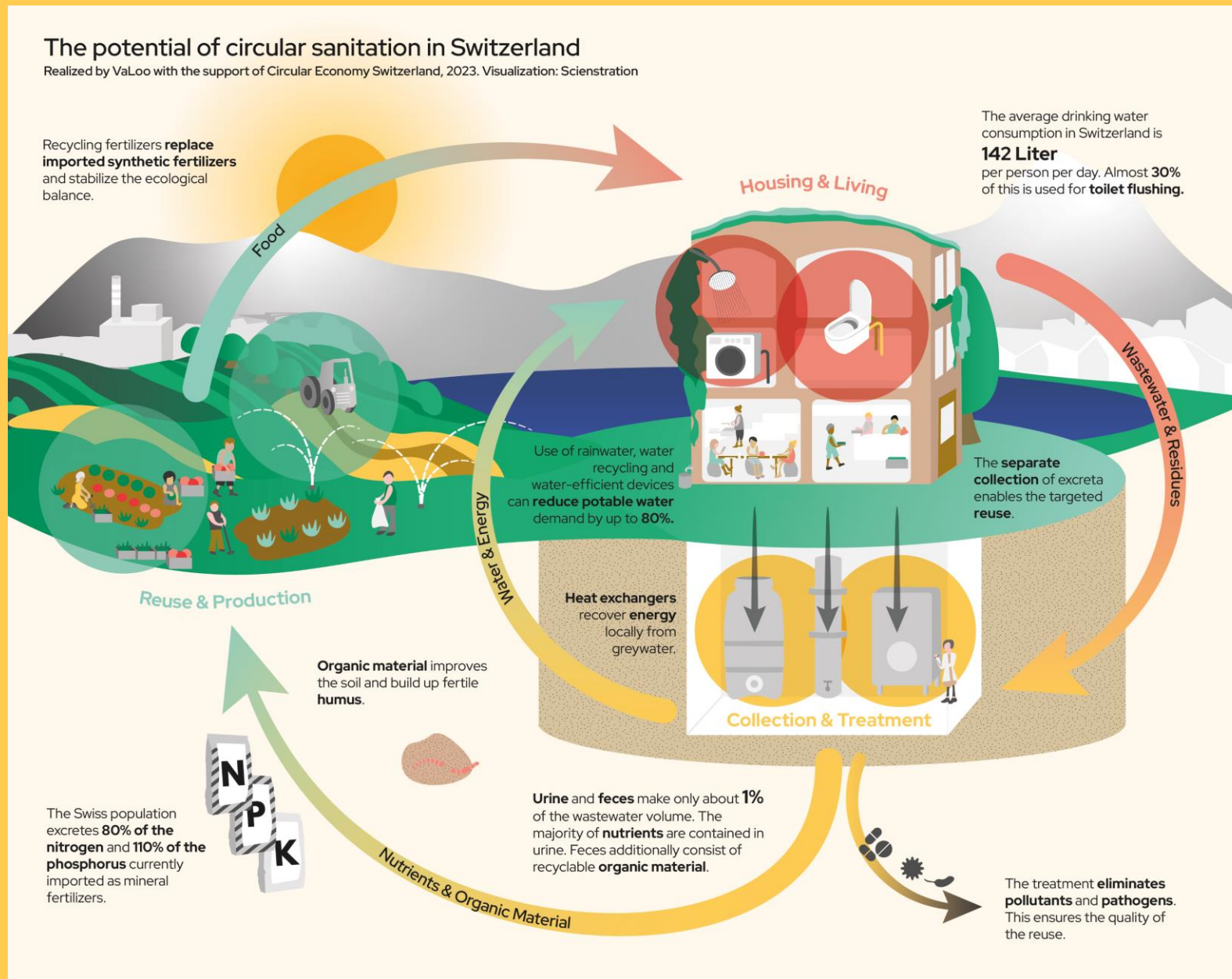
Rechtsabklärung zu **Handen von VaLoo, Netzwerk für kreislauffähige Sanitärsysteme Schweiz, Dübendorf**

vom 22. Februar 2023

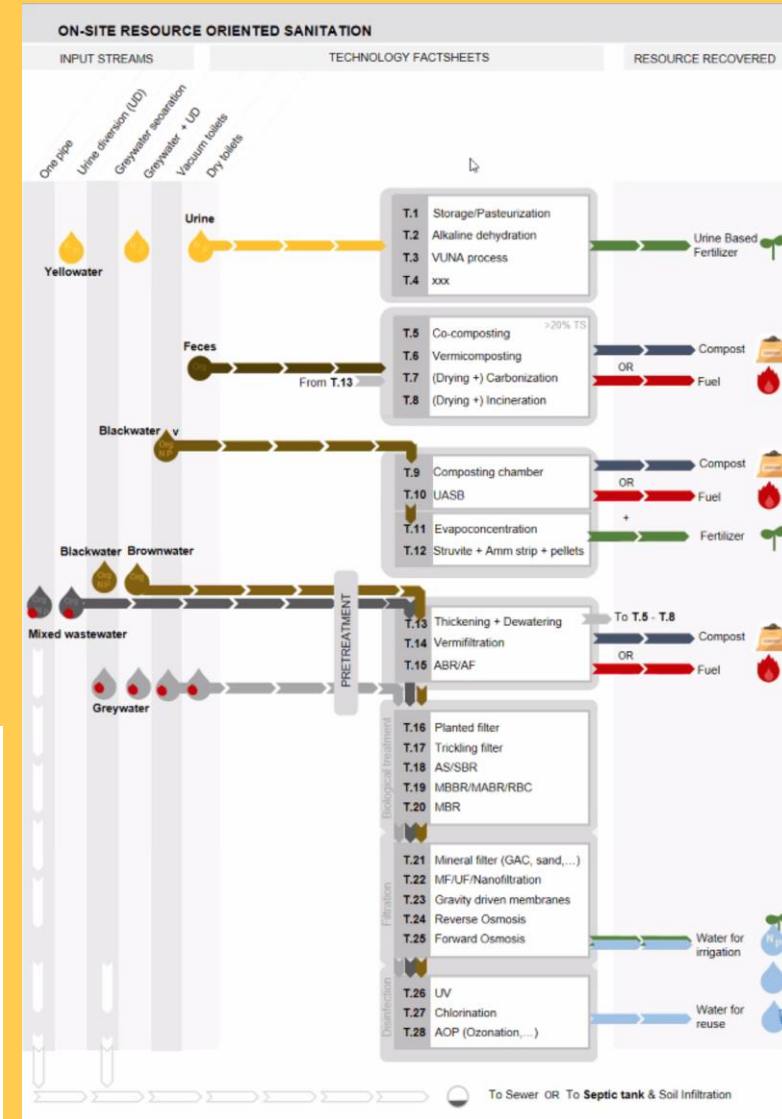
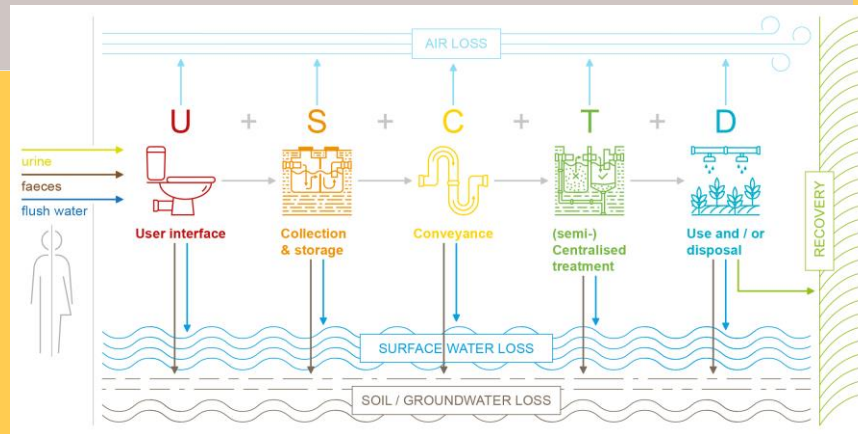
Inhaltsverzeichnis

- A. Einleitung
 - 1. Nährstoff-Kreislaufwirtschaft stärken
 - 2. Menschliche Ausscheidungen sind biogene Abfälle
 - 3. Schliessen des Nährstoffkreislaufs durch Herstellung von Dünger
- B. Stoffkreisläufe und rechtliche Regulierung
 - 1. Schliessen von Nährstoffkreisläufen
 - 2. Ausgangsstoffe: menschliche Ausscheidungen
 - 3. Behandlung
 - 4. Produkte
- C. Parlamentarische Initiative «Schweizer Kreislaufwirtschaft stärken»: Chancen de lege ferenda
- D. Synthese und Ergebnis

Infographic



Technology Toolbox and Case Studies



A graphic consisting of overlapping green and orange shapes. The text "Connect the Networks" is written in a light green, sans-serif font across the center of the graphic.

Connect the
Networks

10.11.2023 Dübendorf
**Save the Date: Internationales
Netzwerktreffen
vom 10. bis 12.
November 2023**

Topics: **Sammeln & Aufbereiten, Housing & Living,
Politik & Strategie, Wiederverwenden & Produzieren**

SuSanA Europe Chapter Meeting

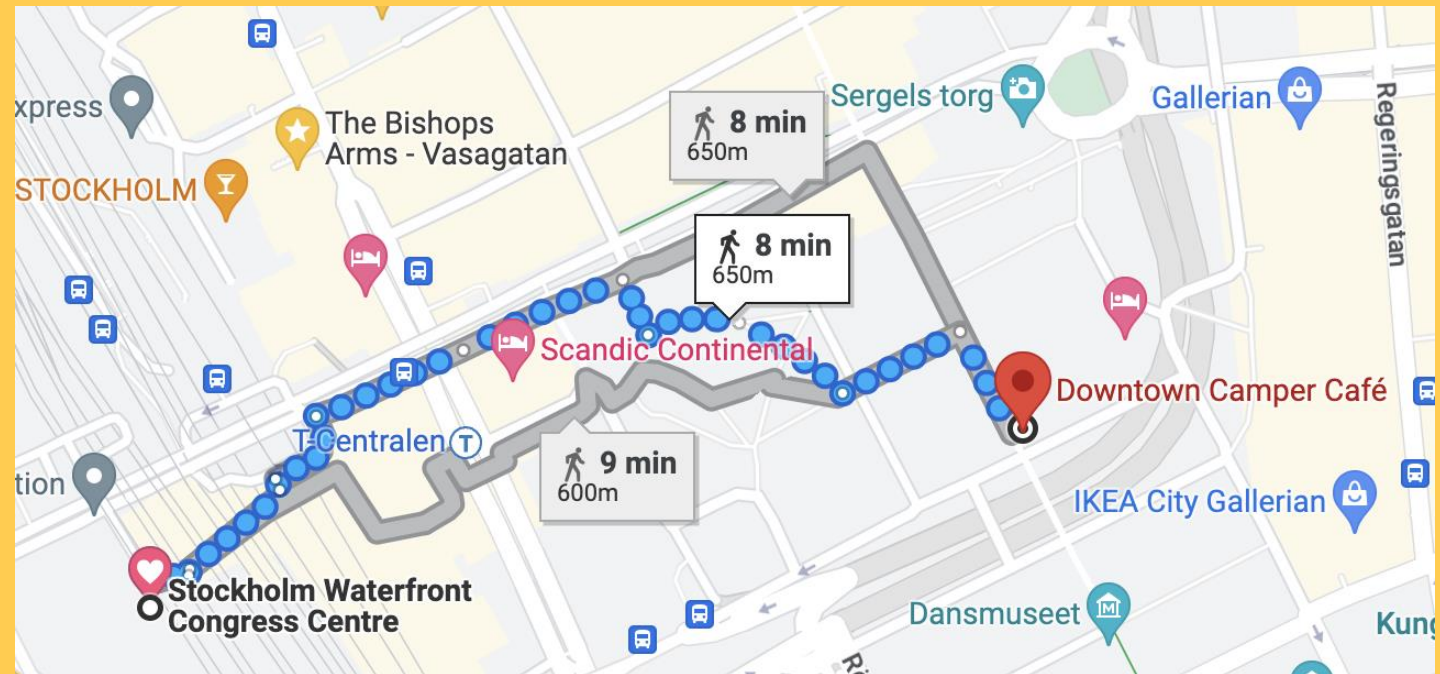
 22nd August
11:00 am

 Location:
Downtown Camper Cafe,
Drottninggatan 28,
111 51 Stockholm



 More info about
SuSanA in Stockholm!

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Thank you!

www.va-loo.ch




*Circular Sanitation Network Switzerland
Réseau suisse pour un assainissement circulaire
Netzwerk für kreislauffähige Sanitärsysteme Schweiz*



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Wastewater reuse in Jordan – making the most of a precious asset

Mintje Bührma - GIZ



Wastewater reuse in Jordan - making the most of a precious asset

Wastewater Treatment, Reuse and Water Supply in Jordan | 20.08.2023

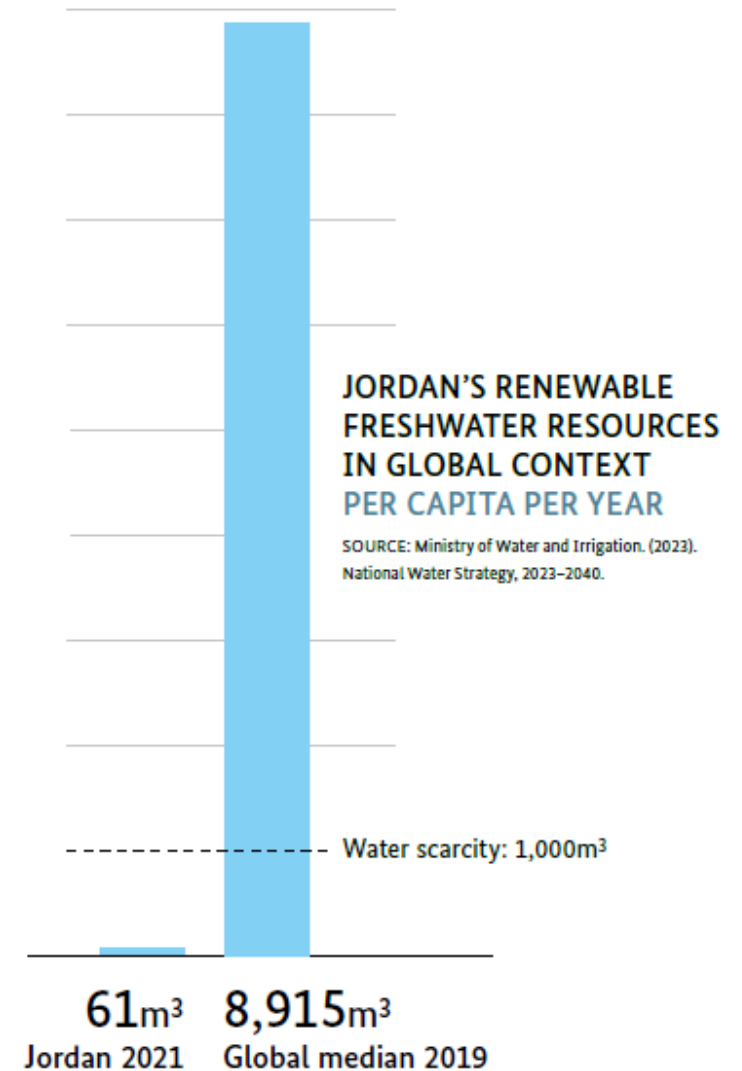
Mintje Bührma

giz

Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

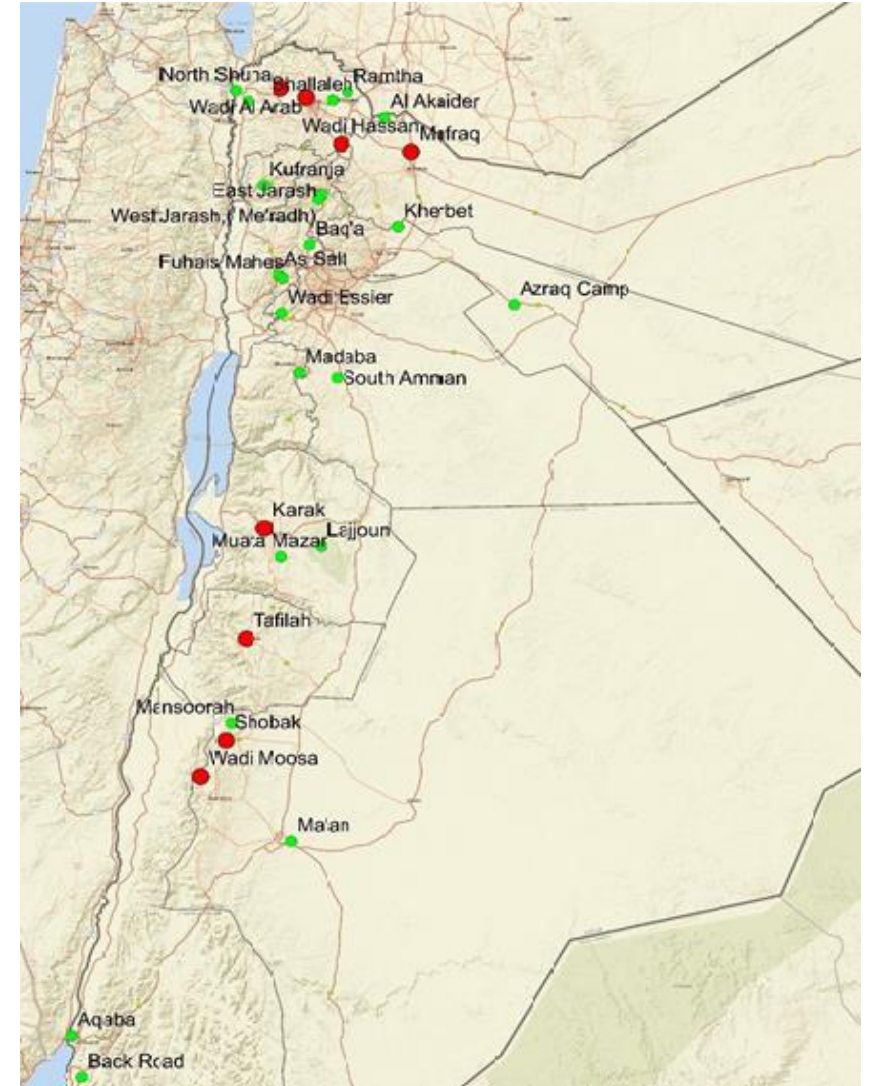
Jordan - one of the most water-scarce countries

- population growth, migration
- arid & semi-arid region with insufficient rainfall, depleting water resources
- exacerbated by climate change, and increasing water demands.
- Necessity to reuse treated wastewater (~15% of total water used)



Wastewater Reuse

- 29 WWTPs, treating around 200 MCM of wastewater annually.
- 91% reclaimed water reused primarily for restricted irrigation, directly (50 MCM for fodder crops) and indirectly (150 MCM by blending with freshwater).
- over 30 percent of the water used by farmers for restricted irrigation countrywide – and around 45 percent in the Jordan Valley.
- freeing up large volumes of groundwater to be redirected to domestic users in urban areas.



21.08.23 • 16:00 CEST

Session ID:
11033

Every Brown Drop Counts: Wastewater Reuse in the Arab Region

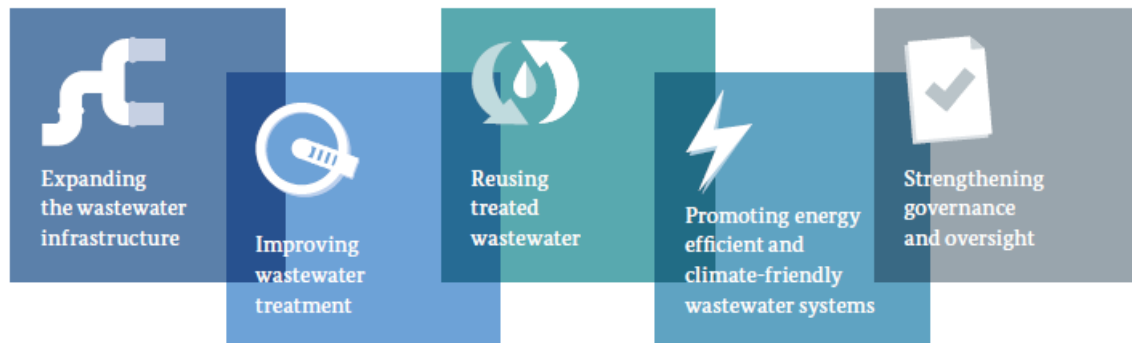
We discuss the necessity, innovations and challenges to reuse treated wastewater to the greatest extent possible in Jordan, Lebanon and Palestine.

JOIN US: worldwaterweek.org/tickets



Resilience & Innovation in Jordan's Wastewater Sector

- Expanding the wastewater infrastructure
- Improving wastewater treatment
- Reusing treated wastewater
- Promoting energy efficient and climate-friendly wastewater systems
- Strengthening governance and oversight



22.08.23 • 10:00 CEST

SuSanA WANA Chapter Mingle Publication Launch: “Resilience & Innovation in Jordan’s Wastewater Sector”

Discover the evolution of the Jordanian
wastewater journey and contributions of
German-Jordanian development cooperation
and visit our launching event!

VISIT US: SuSanA Booth No. 5:02



Contact

Mintje Bührma

Water and Sanitation Advisor
GIZ Water Cluster Jordan

Deutsche Gesellschaft für
Internationale Zusammenarbeit (GIZ) GmbH

mintje.bueuerma@giz.de
T +962(0) 792444462



www.giz.de

**Deutsche Gesellschaft für
Internationale Zusammenarbeit (GIZ) GmbH**

Registered offices
Bonn and Eschborn, Germany

Friedrich-Ebert-Allee 32 + 36
53113 Bonn, Germany
T +49 228 44 60 - 0
F +49 228 44 60 - 17 66

Dag-Hammarskjöld-Weg 1 - 5
65760 Eschborn, Germany
T +49 61 96 79 - 0
F +49 61 96 79 - 11 15

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I www.giz.de

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33rd SuSanA Meeting

Sunday, 20th August 2023

**hybrid:
in person
& online.**

Session 4

SuSanA Updates (17:00-18:00)

Agenda – Session 4 (17:00 – 18:00 CEST)

Time (CEST)	Session	Presenter(s)
	Session 4 – SuSanA Updates	
17:00 – 17:20	SuSanA Updates	Daphne Manolakos (SuSanA Secretariat), Rohini Pradeep (GSC SuSanA)
17:20 – 17:40	Regional Updates	Hadeel Al Qatamin (SuSanA WANA chapter), Lourdes Valenzuela (SuSanA Latin America Chapter), Nitya Jacob (SuSanA India Chapter), Sareen Malik (SuSanA Africa Chapter)
17:40 – 17:50	SuSanA Forum	Chaiwe Sanderse (SuSanA Forum), Elka Villarroel (SuSanA Forum)
17:50 – 17:55	Way Forward	Charles Niwagaba (GSC SuSanA) Dorothee Spuhler (GSC SuSanA)
17:55 – 18:00	Closing	Madeleine Fodge (SEI), Arne Panesar (SuSanA)
18:00 – 19:00	Mingle at SEI (snacks and refreshments)	
19:30 – 21:00	Joint evening at the Djurgårdsbron/sjöcafet restaurant	

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SuSanA Updates

Daphne Manolakos - SuSanA Secretariat

What is SuSanA ?

SuSanA is a global community whose goal is to contribute to the achievement of the SDGs by promoting Sustainable Sanitation

SuSanA is a coordination and discussion platform

SuSanA is a sounding board

SuSanA contributes to the policy dialogue

SuSanA is a working platform

SuSanA promotes knowledge exchange and learning



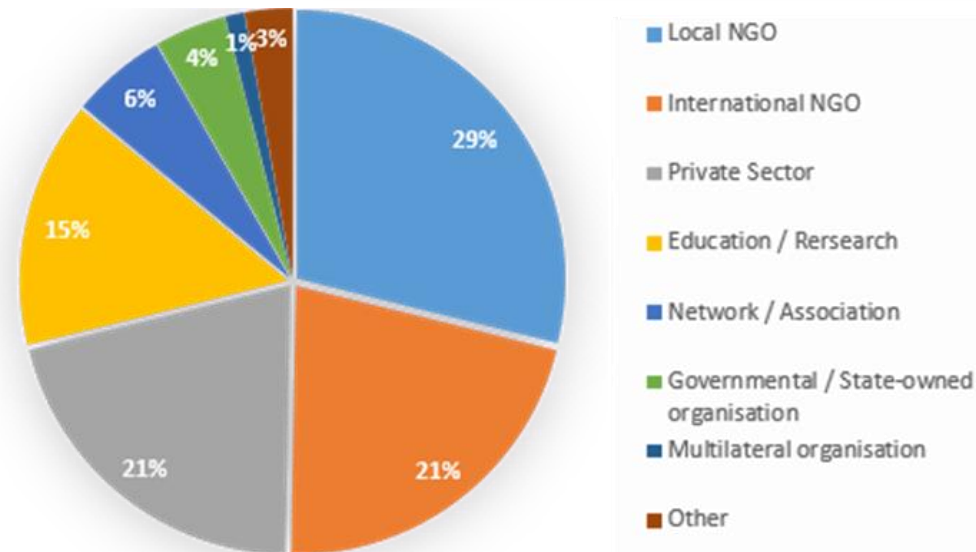
SuSanA members and partner organizations

>15,500 individual members from 187 countries
400 partner organisations



diverse base of partners and members from all around the world: *practitioners, academics, institutional actors, NGOs, private sector, Donors, etc.*

- rich and holistic exchange
- global and localised input
- inclusive approach



Cooperation Systems



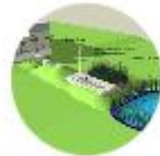
Working Group 1
Capacity
development



Working Group 2
Market
development



Working Group 3
Climate Mitigation and
Adaptation



Working Group 4
Sanitation systems and
technology options



Working Group 5
Food security and
productive sanitation
systems



Working Group 6
Cities



Working Group 7
Sustainable WASH in
institutions and gender
equality



Working Group 8
Emergency and
reconstruction situations

SuSanA links on the ground experiences with an engaged community through:

- 13 SuSanA Working Groups
- 4 regional Chapters (India, WANA, Latin America and Africa)
- A dynamic Discussion Forum



Working Group 9
Public awareness,
advocacy and civil
society engagement



Working Group 10
Operation, maintenance
and sustainable services



Working Group 11
Groundwater
protection



Working Group 12
WASH and
nutrition



Working Group 13
Behaviour change

Key tools from the SuSanA platform

SuSanA features a range of tools for collaboration and knowledge sharing



The SuSanA Secretariat

- Hosted by GIZ (with base funding from BMZ)
- The secretariat is implemented by the GIZ Sector Programme 'Water Policy – Innovations for Resilience'
- GIZ contributes to the Network with the equivalent of 2 and a half full-time experts working for the Secretariat



Dr. Arne Panesar
Head of Secretariat



Alexandra Dubois



Maren Heuvels



Teresa Häberlein



Daphne Manolakos



Vincent Krieg und Philipp Dering

SuSanA Discussion Forum moderators



Chaiwe Mushauko-Sanderse
(Africa)



Paresh Chhajed-Picha
(South Asia)



Elka Villarroel
(Latin America)

The SuSanA Regional Chapter Coordinators

WANA Chapter



Hadeel Al Qatamin

Latin America Chapter



Lourdes Valenzuela

India Chapter



Nitya Jacob

Africa Chapter



Sareen Malik



Chaiwe Mushauko
Sanderse

Recent Events with SuSanA Engagement

- 32nd SuSanA Meeting (virtual)
- Future of Sanitation and Hygiene (Berlin)
- UN Water Conference (New York)
- Policy & Practice Forum, CSE (Delhi)
- All Systems Connect (The Hague)
- WOPS Congress (Bonn)
- CoP Meeting (virtual)
- SFD Webinar (virtual)
- Water Climate CoP (virtual)
- World Water Week (Stockholm)



SFD PI meeting at the CSE conference in Delhi 2023



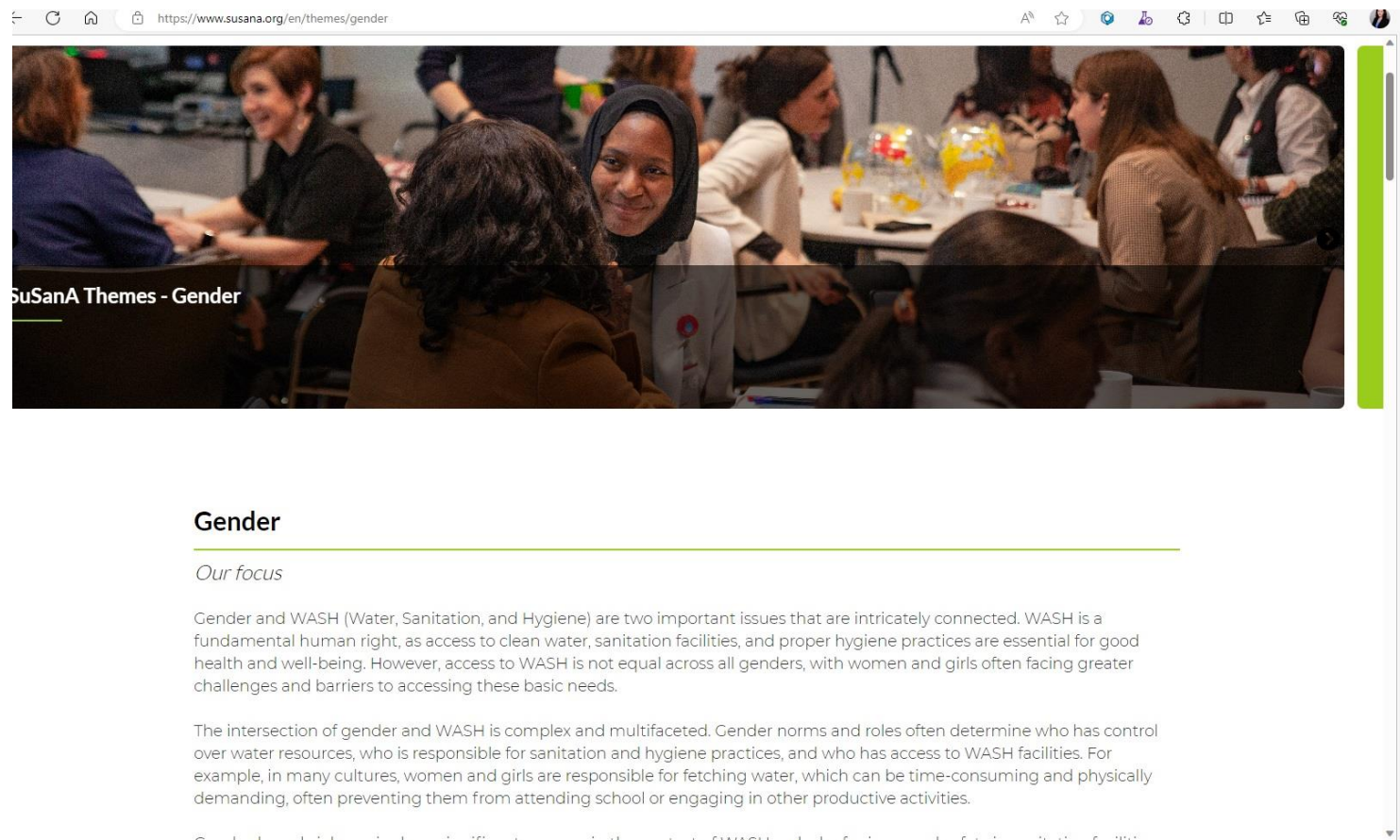
SuSanA Booth at the World Water Week 2022 in Stockholm

Examples of recent SuSanA related Publications

- Menstrual Health and Hygiene: Relevant, Intersectoral and on the Rise (2023)
- Handwashing Facilities (2022)
- To be launched soon:
 - Resilience & Innovation in Jordan's Wastewater Sector
 - WASH Resilience, Conflict Sensitivity and Peacebuilding: Joint Operational Framework



- Innovative features on SuSanA Platform:
 - Blog feature (to be launched soon)
 - Multilingual SFD portal
 - Theme sections: Gender has been launched, health, human rights, institutions and climate change upcoming



SuSanA at World Water Week 2023!



20 - 24 August 2023



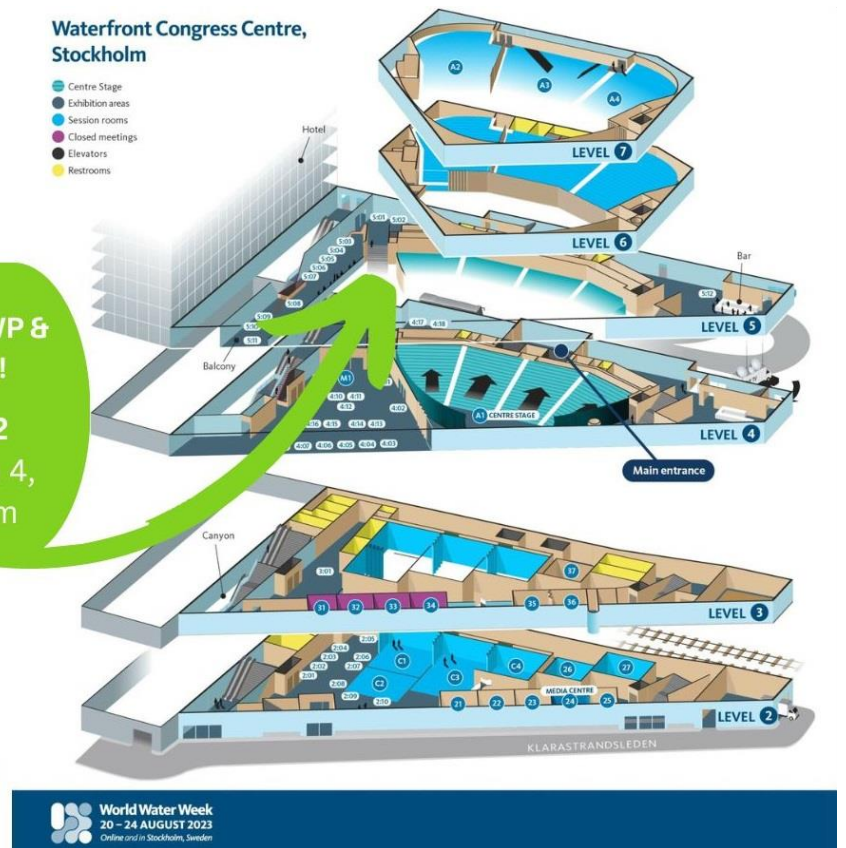
ORGANIZED BY  SIWI

SuSanA and SWP booth - On-Site Exhibition

- **#LetsTalkPERIOD** Film Screening (Monday, 10.30-11.00)
- **Pitches** on Container-based Sanitation (Wednesday, 10.30-11.00) and mechanized pit emptying (15.00-15.30)
- **WANA Mingle** (Tuesday, 10-11.30)

VISIT US AT THE SWP & SUSANA BOOTH!
WCC; Level 5:02
Nils Ericsons Plan 4,
111 64 Stockholm

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World Water Week
20 - 24 AUGUST 2023
Online and in Stockholm, Sweden

SuSanA as a Convenor

Sunday, 20 August 2023 | 17:45 - 19:45 pm CEST
CENTRE STAGE, Room A1 | Waterfront Congress Centre

GOING VIRAL: Social media, pandemic prevention, and tackling difficult topics

giz

Join us for our first session:
Discover the impact of social media on WASH and challenges featuring examples from around the world!
This session pulls together award-winning short films and footage from social media and influencers' testimonies to discuss its impact and effectiveness for WASH.



World Water Week

ORGANIZED BY SIWI

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WASH IN SCHOOLS NETWORK



VIVA CON AGUA



Sunday, 20 August 17:45-19:45
Location: Centre stage, A1

Monday, 21 August 2023 • 11:00-12:30 CEST
Hybrid session
ROOM C4, STOCKHOLM WATERFRONT CONGRESS CENTRE

Putting animals on the WASH agenda

Join us for an insightful session on how WASH interventions can address shared risks and opportunities at the animal, human, and water interfaces.



World Water Week
OFFICIAL SESSION



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siani
Swedish International
Agricultural Network Initiative

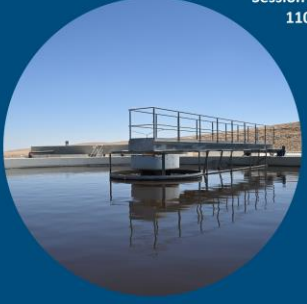
Monday, 21 August 11:00 - 12:30
Location: C4

21.08.23 • 16:00 CEST
Session ID:
11033

Every Brown Drop Counts: Wastewater Reuse in the Arab Region

We discuss the necessity, innovations and challenges to reuse treated wastewater to the greatest extent possible in Jordan, Lebanon and Palestine.

JOIN US: worldwaterweek.org/tickets




World Water Week
OFFICIAL SESSION



التعاون
الإقليمي
GERMAN-GULF COOPERATION COUNCIL



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AGWA



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UN-HABITAT




WSRC

Monday, 21 August 16:00 - 17:30
Location: A4


SuSanA as a Convenor

22 August 2023 | 4:00 pm CEST

Women for the Future of Water. Building on the Momentum of the UN 2023 Water Conference



Explore with us how organisations are tackling the challenge of labour-gender-imbalance through research, networking and mentorship! In a lively mix of presentations, group discussions and Q&A you will have the chance to learn about the experiences women have made and face until today as professionals in the water sector!



23 August 2023 | 9:00 am CEST

Experiencing Art, Music, Storytelling, Sports and Dance for Behaviour Change



Open your vision at this participatory workshop session on different behaviour change approaches for WASH!

Explore with us how arts, music, sport, dance, and social media are activating, changing behaviours, perceptions, and attitudes so people can live better in a fun way, and with more self-determination!



World Water Week OFFICIAL SESSION

SIDE-TALKS AND BUS RIDES: HOW COUNTRY EXCHANGE CAN ACCELERATE WinS

24 AUGUST 2023
7:00 AM GMT/UTC | 9:00 AM STOCKHOLM
10:00 AM ADDIS ABABA | 2:00 PM BANGKOK

JOIN THE WinS NETWORK'S ONLINE SESSION.
Online access for World Water Week is free this year! Register for an Online Full Access Pass here: www.worldwaterweek.org/tickets
Add this session (ID: 11508) to your calendar.



In 2012, UNICEF and GIZ established the annual International Learning Exchange (ILE) to bring together government and development partners across Asia to exchange on WASH in Schools (WinS). Eleven years later, the ILE is examined for its impact, relevance, and innovation.

Setting the stage, WHO/UNICEF's Joint Monitoring Programme will present the status of WinS. UNICEF's regional offices in East Asia, the Pacific and South Asia will present findings from the recently commissioned ILE review, which underline the need and the extent to which the ILE is generating the necessary momentum and political commitment for WinS. The session will conclude with inputs from Africa and Asia. Through discussion, participants delve into the ILE's relevance based on the past eleven years and consider future opportunities for replication in Africa.



Tuesday, 22 August 16:00-17:00
Location: Online

Wednesday, 23 August 09:00 - 10:30
Location: Workshops, 26

Thursday, 24 August 9:00 – 10:00
Location: Online

Stronger Together! Women's Mingle

- Tuesday, 22 August 2023,
18:00 – 20:30 CEST
- The View, Scandic Continental



22 August 2023 | 18:00 CEST
Stronger Together! Women's Mingle
Venue: The View, Scandic Continental, Stockholm



SIWI
African Women Sanitation Professionals Network
WOMEN FOR WATER PARTNERSHIP

AGENDA FOR CHANGE
Women in Water & Sanitation Network

RWSN
Rural Water Supply Network
Community of Women in Water
African Water and Sanitation Association
Association Africaine de l'Eau et de l'Assainissement
ATWASA / AAEA

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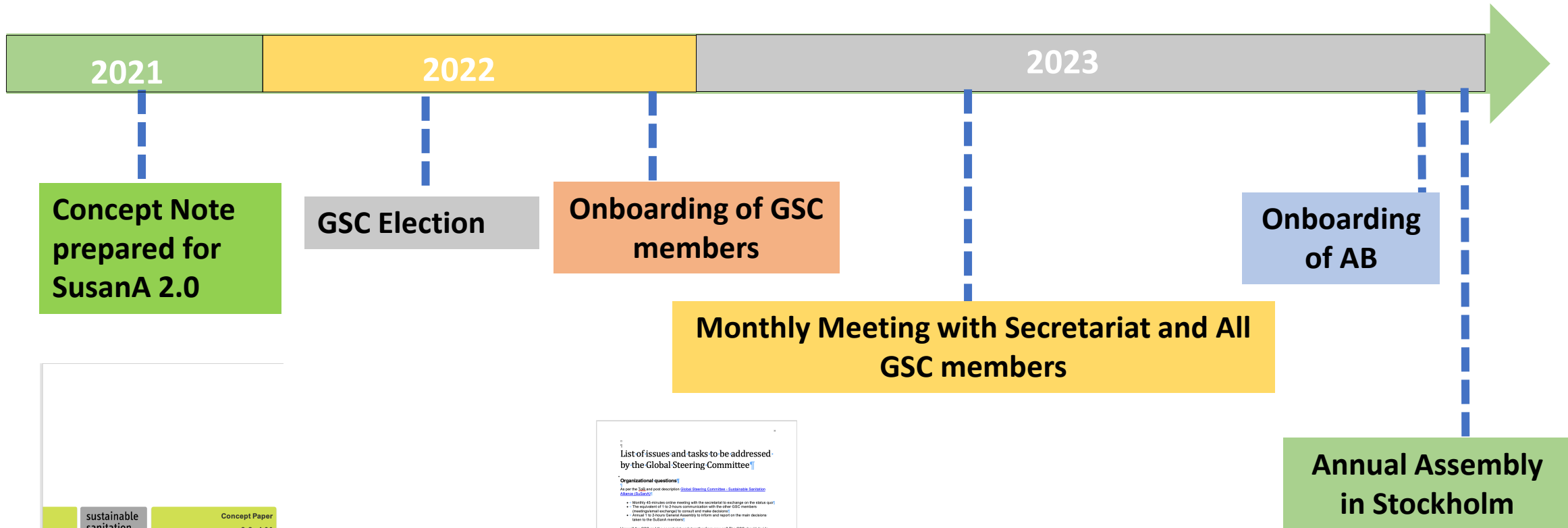
Implementation of SuSanA 2.0

Rohini Pradeep - GSC SuSanA

Introduction of GSC members



What happened so far



List of issues and tasks to be addressed by the Global Steering Committee

Organizational questions

As per the 2021 and 2022 elections: [Global Steering Committee - Sustainable Sanitation Alliance \(SuSanA\)](#)

- Identify AS milestones to be met during the meeting with the secretariat to exchange on the status and
- The objectives of the 2023 Annual Assembly with the other GSC members
- Finalize the election process to be held in the next meeting
- Annual 1 to 2023 Annual Assembly to inform and report on the main decisions taken in the 2023 meeting

How will the GSC and the secretariat work together from now on? The GSC should decide on its internal processes beyond these meetings and inform the secretariat on these.

Decisions to be taken

A selection on pending/covering discussions and decisions points to be taken:

Issue	Resolved	Open	Key/Action
Completing implementation of the Concept Paper			Continuing the work required to complete the Concept Paper. The secretariat will continue to work on the implementation of the Concept Paper. The secretariat will continue to work on the implementation of the Concept Paper.
Change of the non-organizational structure of the secretariat			Review the non-organizational structure of the secretariat. The secretariat will continue to work on the implementation of the Concept Paper.
Review financial sustainability of the Alliance			Review the financial sustainability of the Alliance. The secretariat will continue to work on the implementation of the Concept Paper.
Implement non-organizational structure			Implement the non-organizational structure. The secretariat will continue to work on the implementation of the Concept Paper.
Complete composition of GSC			Complete the composition of the GSC. The secretariat will continue to work on the implementation of the Concept Paper.

First GSC/secretariat F2F annual meeting!



- 16.-20. August 2023
- Stockholm Environmental Institute (SEI), Stockholm
- Three days including online meetings with forum moderators and regional chapter coordinators

	Day 0	Day 1
9.00		Secretariat & Anwa on-boarding
10.00		revisit /review concept paper
11.00		prioritising issues & tasks
12.00		Preparing Exchange Calls
13.00		Exchange with Forum Moderators
14.00	Welcome	Exchange with Regional Chapters
15.00	Introductions & Expectations	Planning Day 2
16.00	Objectives & Agenda	
17.00		
18.00		

	Day 2	Day 3
	strategy for resource mobilisation	membership structure finetuning
		summary and next steps
11.00	common understanding of "Hosting"	
12.00	deciding on meeting documentation & planning day 3	
13.00	Charles welcome & on-boarding	
14.00	preparing AB-meeting	
15.00	preparing SuSanA meeting	
16.00	preparing Network Circle Meeting	
17.00		
18.00		

Some impression



sustainable sanitation alliance

Concept Paper
SuSanA 2.0

Title	Concept Paper: Membership, Governance & Structure SuSanA 2.0
Published by	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH in support with CMTF and Como Consult GmbH
Authors	Celia Bedoy del Olmo, Desinder Kapur, Francis de los Reyes, Lara Nassar, Leonie Kappauf, Madeleine Fogde, Maureen Amakabane, Shobana Srinivasan ¹ Jana Marie Mehrtens, Richard Bennett ²
Contact	The Secretariat of the Sustainable Sanitation Alliance Located at: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Dag-Hammarskjöld-Weg 1-5 65760 Eschborn, Germany info@susana.org
Date	01.11.2021

List of issues and tasks to be addressed by the Global Steering Committee

Organizational questions

As per the TOR and post description [Global Steering Committee - Sustainable Sanitation Alliance \(SuSanA\)](#)

- Monthly 45-minutes online meeting with the secretariat to exchange on the status quo
- The equivalent of 1 to 2-hours communication with the other GSC members (meetings/email exchange) to consult and make decisions
- Annual 1 to 2-hours General Assembly to inform and report on the main decisions taken to the SuSanA members

How will the GSC and the secretariat work together from now on? The GSC should decide on its internal processes beyond these meetings and inform the secretariat on these.

Decisions to be taken

A selection on pending/upcoming discussion- and decision-points is given below:

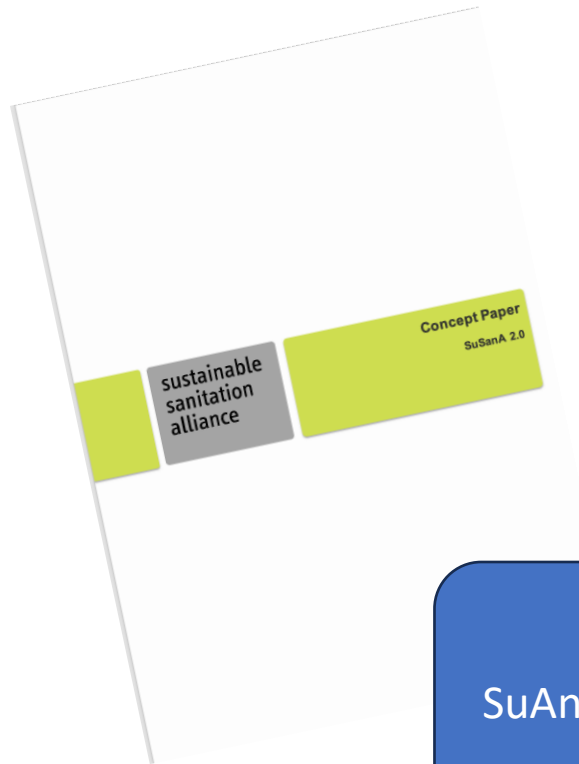
Items	relevance	urgency	complexity	Remarks / Suggestions
Completing implementation of the Concept Paper				<i>Continuing the work begun by CMTF and ISC</i>
Change of the host organization of the secretariat	***	**	***	When? How? Secure funds before? Which organisation? Develop scenarios? Decide on next steps and the selection process
Develop financial sustainability of SuSanA	***	**	***	Explore with BMZ on potential for future funding (post 06/2024) and on support for identifying an additional funding Donor and/or new host; Continue and further enlarge the existing or set up a new donor task force? Engage donor task force to raise resources from BMZ and other donors?
Implement new membership structure	***	*	***	Give individual members option of full membership or subscriber status; Decide on the requirements and terms & conditions of being a full member versus a subscriber; Decide whether/yes how much for membership fees/contributions; implement the "Organizational member status" (considering the feedback from the 12 th SuSanA mtg @ Stockholm 2022)
Complete composition of GSC	***	*	***	Ensure organisational members are selected (once membership structure is in place). Decide on

Stand:
1

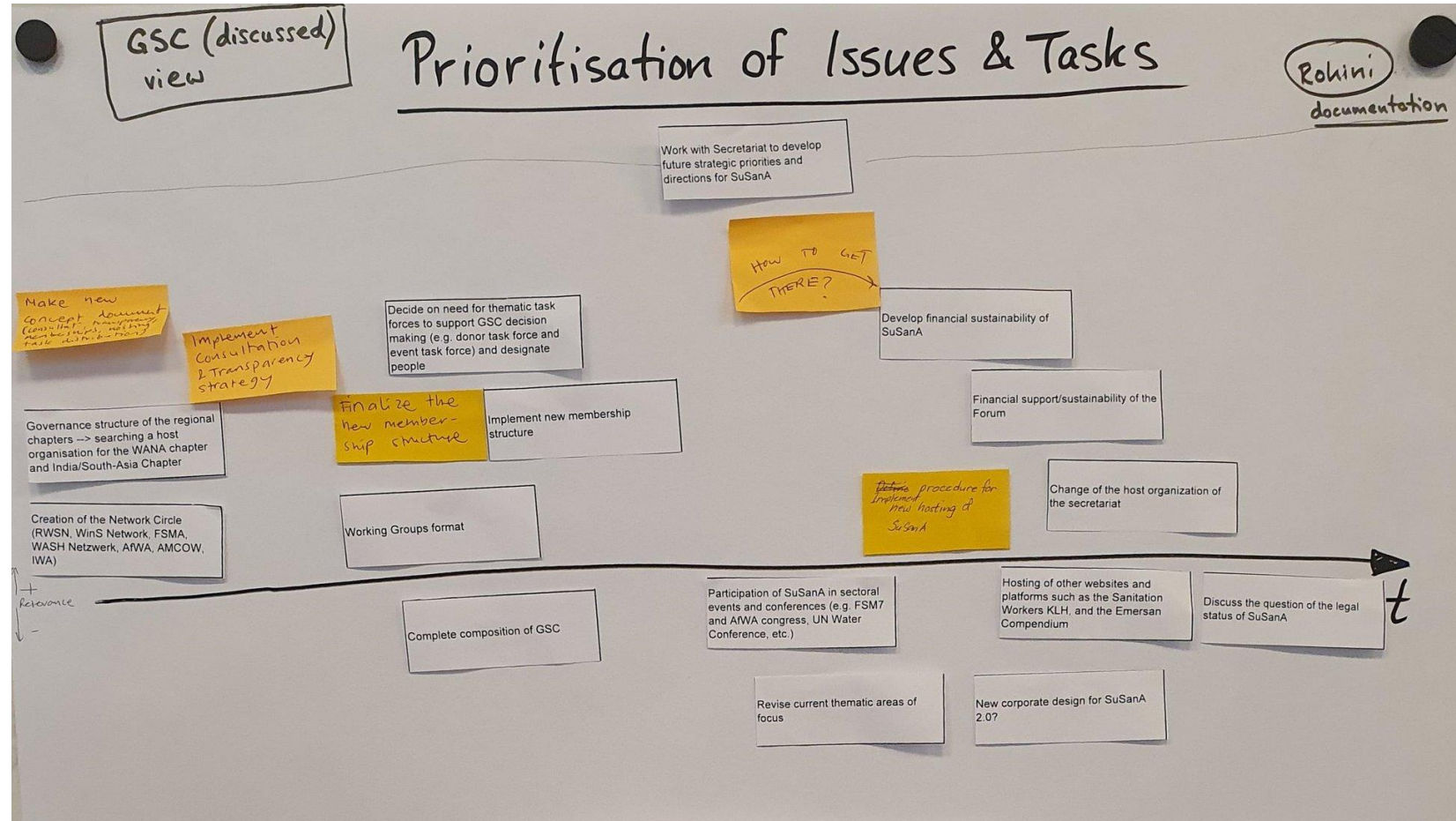
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Main outcome



SuAnA Bylaws



Decisions taken: highlights

Decision making

- Annual Assembly as the SuSanA General Meeting (in Stockholm)
- Creation of "SuSanA-Bylaws"
- AB to help in orienting the network strategically and help ensure financial sustainability

Strategic orienta- tion

- Updates of TOR to include strategy oversight and guidance
- **GSC rules and responsibilities and terms of references can only be changed if 2/3 of the members present during the AA approve these changes.**
- Advocacy to be added to the purpose statement again.

Decisions taken: highlights

Regional chapters

- Redefinition of the regional chapters and as a separate entity the regional-electorate
- Clear set of roles and responsibilities and TOR for the RC coordinator and host
- Develop RC support system
- Clear channels for communication and information exchange btw. RCs/RC host/secretariat/GSC.

Member-ship structure

- **No distinction between active members and subscribers!**
- Incentives for activism instead of penalties for passivism
- Organisational members: options for sponsoring and secondments

Decisions taken: highlights

Resource mobili- sation

- Need for a “donor”/“resource mobilisation” **task force**
- That will actively **support members** submitting proposals for products or initiatives
- Look at options for SuSanA “management overheads“ for initiatives
- Develop concept for **host scenarios** and arrangements with organisational members

Hosting arrange- ments

- Key reasons for migration are to:
 - increase flexibility (e.g. to reply to calls, reception of funds)
 - in general diversification of resource flows
 - distribution of responsibilities and workload
 - diversification of membership; and not the dependence on BMZ base funding
- Task force to prepare a concept note **summarizing options and opportunities**

Forum

- The forum is well-accepted and has very strong credibility, it should therefore be maintained.
- Task for to look into opportunities to make it ready for the next generation of knowledge exchange

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forum

forum.susana.org

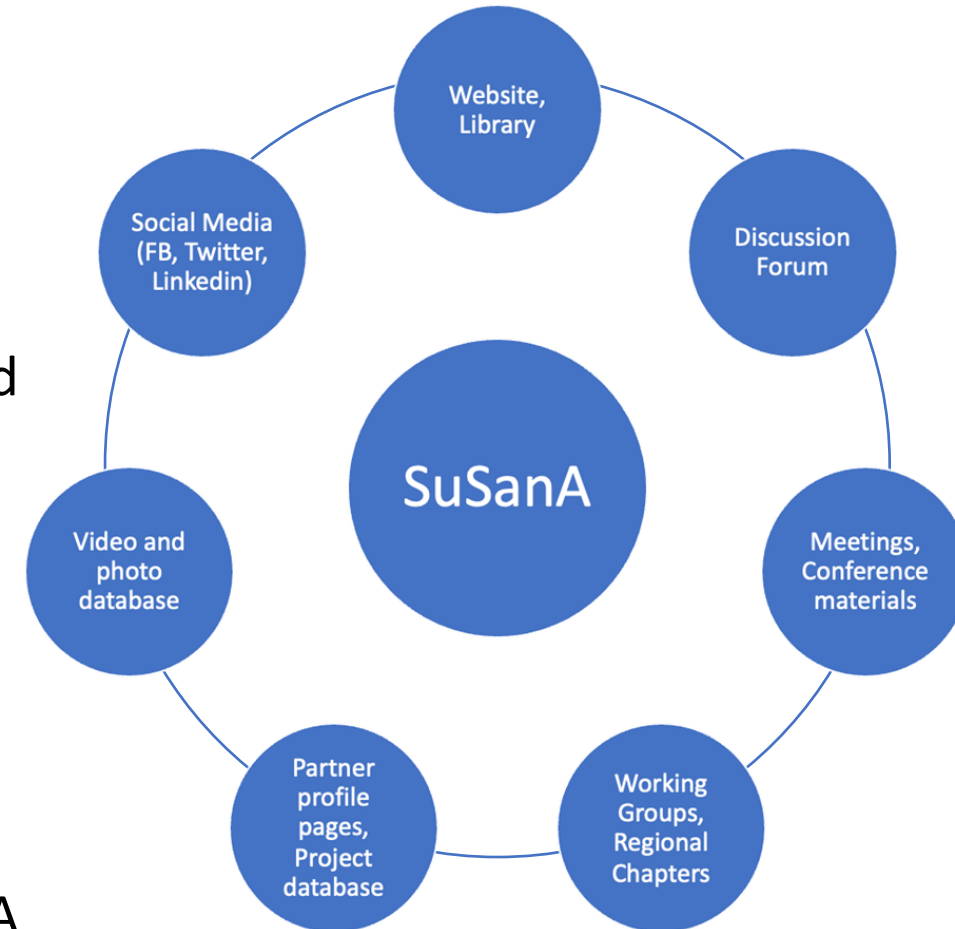
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SuSanA forum moderation: Updates and Way forward

Elka Villarroel, Chaiwe Mushauko-Sanderse & Paresh Chhajed-Picha
(Forum Moderators)

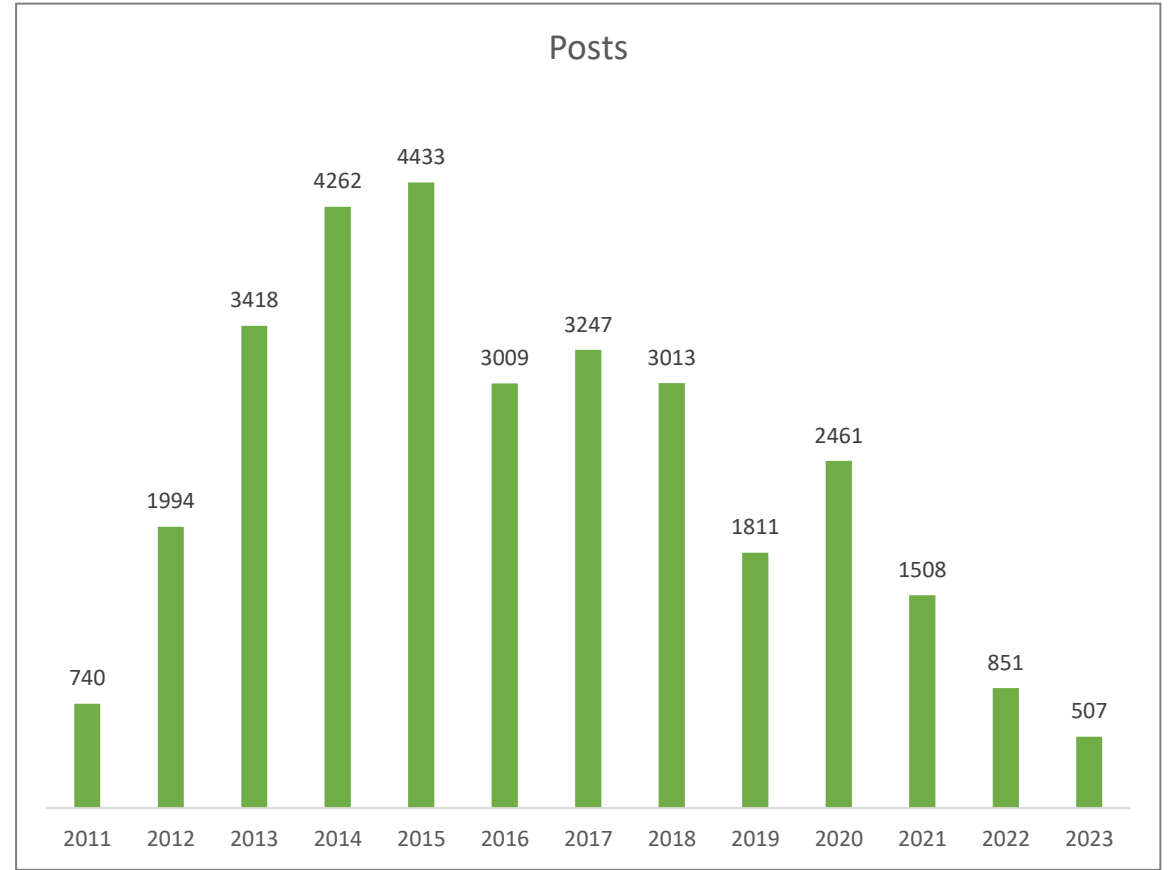
Introduction to the Discussion Forum

- **Goal:**
 - The forum makes knowledge, ideas, and debates around sustainable sanitation (and broader WASH sector) **accessible to everyone** within the network and beyond.
- **Objectives:**
 - To **accelerate learning** within the sanitation sector
 - To facilitate **sharing of knowledge**
 - To help people to **network** with and within the SuSanA community



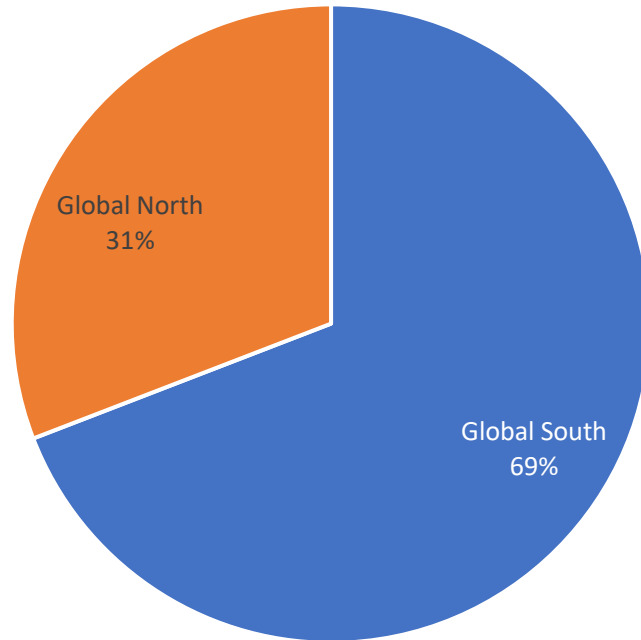
Graphic adapted from slide 5 of the presentation titled “Everything there is to know about the SuSanA Discussion Forum” available here: <https://www.susana.org/en/knowledge-hub/resources-and-publications/library/details/3630>

Growth

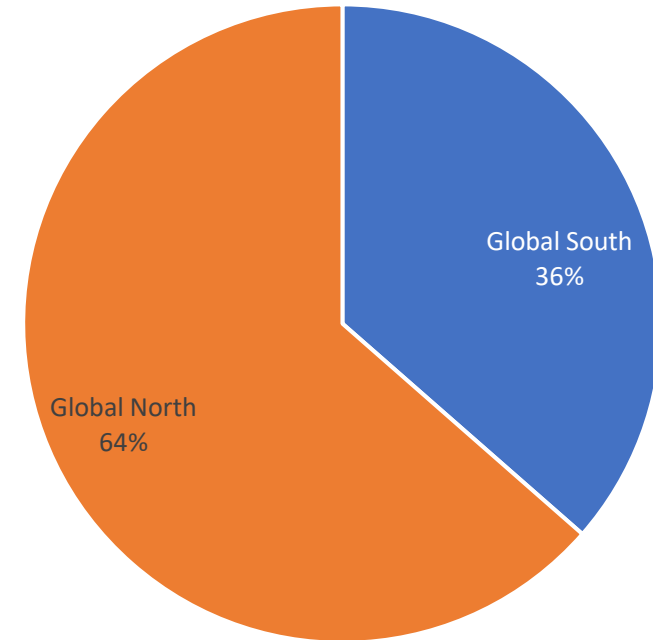


Diversity

Membership by Location

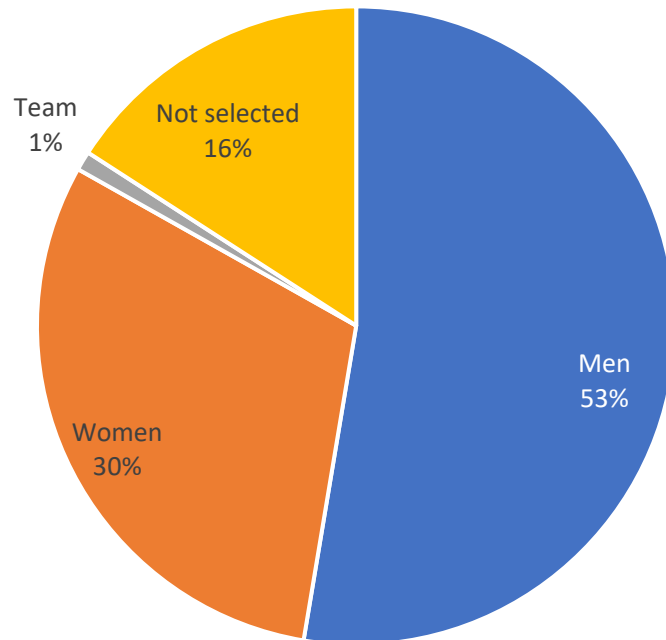


Posts by Location

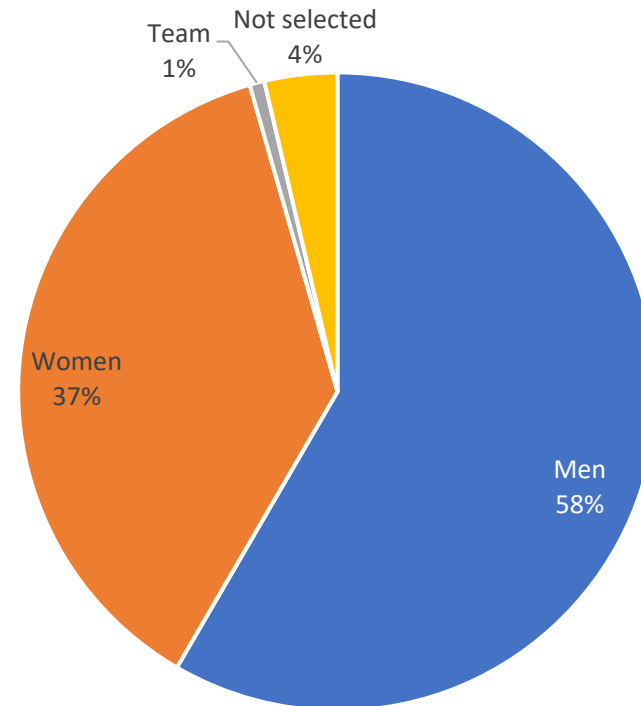


Diversity

Membership - Gender Composition

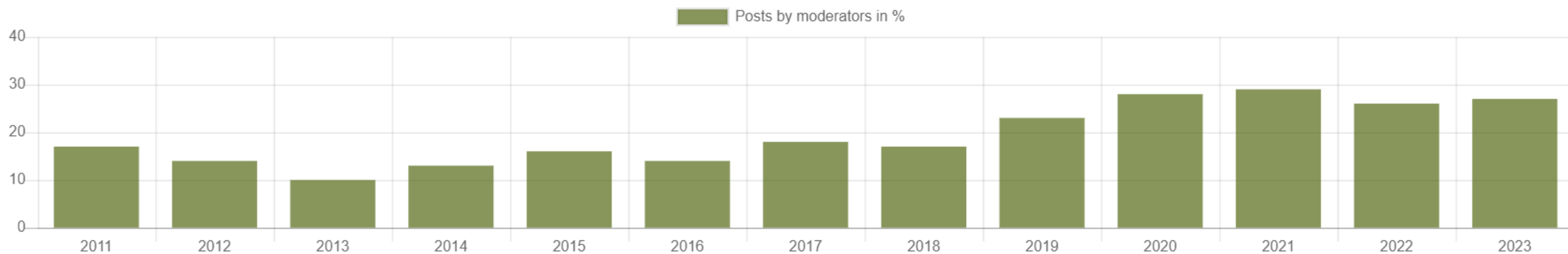


Posts by Gender



Diversity

Moderator posts in % per year



Forum moderators: [Chaiwe](#), [Elisabeth](#), [elka](#), [lourdesv](#), [nityajacob](#), [paresh](#), [secretariat](#)

Former moderators: [CharlotteM](#), [EMary](#), [IvetteER](#), [laran86](#)

- **Funding** provided by GIZ through a grant to Skat Foundation
 - For basic moderation (reduced to cumulative 5 days a month from the 15+ days)
 - moderators from the Global South - Chaiwe from Zambia and Paresh from India

- **SIRWASH** programme
 - An additional moderator from Latin America Elka Villarroel

- **Internships**
 - One intern from Zambia completed 3 months on moderation
 - An intern recruited by GIZ India shall start soon

Updates what we have done..

• **Strategic work**

- Increased reach to students, doctoral and early career researchers, women's groups (Universities in Zambia, Uganda, Latin America, India have been engaged, see increased forum membership)
- Participation in 21st AFWA Congress and FSM 7 at Abidjan; Policy and Practice Dialogue, New Delhi
- Development with AMCOW (Collaboration on KM activities through a developed engagement plan)
- Proposal under discussion – near live reporting of the proceedings of the NSS Conference
- Reaching out to big players in Asia (ADB, NFSSM Alliance)

Way Forward

Enhancing South-south engagement activities (SIR WASH)

- Building communities and increasing collaboration within each Southern context
- Networking
- knowledge products
- Call to action (documented on forum)- Influencing policy
- Webinars scheduled for October: development bank-focused topic.
- Increase engagement around the webinars and enhance discussions on Susana
- Enhance conversations around rural WASH/ sanitation why is it left behind
- Political commitment and strategies

Gender and Youth focus

- Visibility for students, doctoral and early career researchers, women's groups

Coverage of Global and Regional event

- Resourceful ways of increasing event coverage on the forum: Rapturing services, documentation of events i.e FSM, WWW, AfricaSan, NSS, IWA etc. to increase sector access in knowledge for groups not privileged to travel.

Thank You

Authors:
Elka Villarroel
Chaiwe Mushauko-Sanderse &
Paresh Chhajed-Picha

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Regional Updates

Hadeel Al Qatamin - SuSanA WANA chapter (online)

Lourdes Valenzuela - SuSanA Latin America Chapter (online)

Nitya Jacob - SuSanA India Chapter (online)

Sareen Malik & Chaiwe Mushauko-Sanderse - SuSanA Africa Chapter



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Input from the Latin America Chapter

Elka Villarroel (SuSanA Latin-America Chapter)

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Latinoamérica

CHAPTER



Strength: working with FOCAL POINTS

1. Bolivia – Aguatuya y Universidad Privada Boliviana
2. Brasil – Condominium y Universidad Espiritu Santo
3. Colombia - CAWST
4. Costa Rica - ACEPESA
5. Ecuador – Latín Redes WASH
6. El Salvador - GWP
7. Honduras - SNV
8. México / Cuba – Borda Las Américas
9. Nicaragua – RASNIC - Borda
10. Perú – X-Runner
11. Argentina - INTI



Webinar



SEMINARIO VIRTUAL

CERTIFICACIÓN DE COMPETENCIAS
EN LATINOAMERICA

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¡RESERVA TU AGENDA!

Día: miércoles 24 de mayo 2023 - Hora: 10:00 a 11:30 hora La Paz (UTC-4)

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Boletín SuSanA Latinoamérica
No.7 07-2023

SuSanA Latinoamérica

Boletín, JUNIO 2023

¡Bienvenidos a nuestro boletín
semestral!

Estos seis primeros meses del año,
pasaron volando!

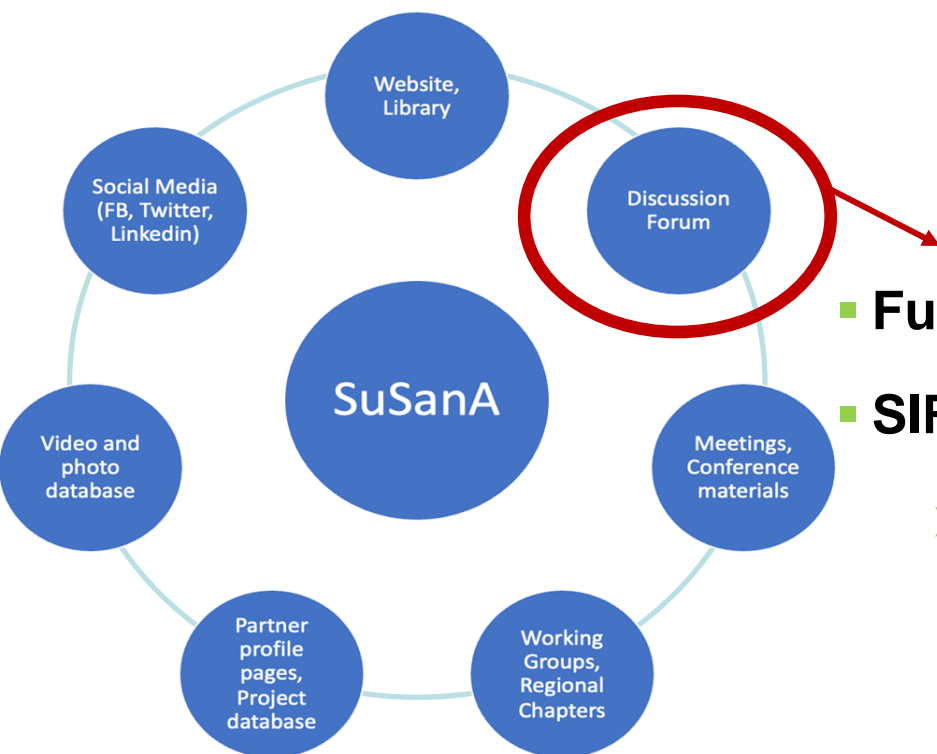
Este año nuestro reto es que
participes más del Foro de discusiones
de la Plataforma de SuSanA y aportes
con tu experiencia e ideas.

Aquí nuestros links de redes sociales y
spots para promocionar nuestra
plataforma, para que puedan ver y
recompártir!

» [Linkedin](#)

» [YouTube](#)

**Boletín
SuSanA
Latinoamérica**



- **Funding** provided by IDB through a grant to Skat Foundation
- **SIRWASH** programme
 - An additional moderator from Latin America
 - Special focus: Rural WASH: Strengthening South-South Exchange

Thanks!



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India Chapter

SuSanA INDIA CHAPTER

Started in 2016

- Is supported by a consortium of seven national level WASH organizations in India
- 23 thematic discussions resulting in synthesis documents and policy notes on rural and urban sanitation, institutions, governance, technology, finance and behaviour change
- 12 webinars and five in-person meetings, including one on wastewater-based epidemiology for surveillance of the coronavirus
- About 4000 members on the mailing list and 2300 chapter members



This year's headline activity

The WASH Sector Assessment

- In late 2022, a group of national and leading state WASH organizations decided to conduct an independent assessment of the preparedness of the WASH sector to provide sustainable services at scale, after the Government's flagship sanitation and drinking water programmes were over in 2024
- Workshopped and adapted an assessment tool developed by IRC
- In May 2023, Conducted a state level assessment with a state government
- This month, conducting workshop to present results of the national assessment based on a literature review and interviews with national WASH practitioners
- This will inform the WASH programmes of development partners
- Partners can use the results to advocate at the state and national levels for programme and policy changes

Thanks!





forum.susana.org

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SuSanA Africa Chapter Updates

Sareen Malik (Coordinator) &
Chaiwe Mushauko-Sanderse (Co-coordinator)



Chapter coordinator:
Sareen Malik since inception



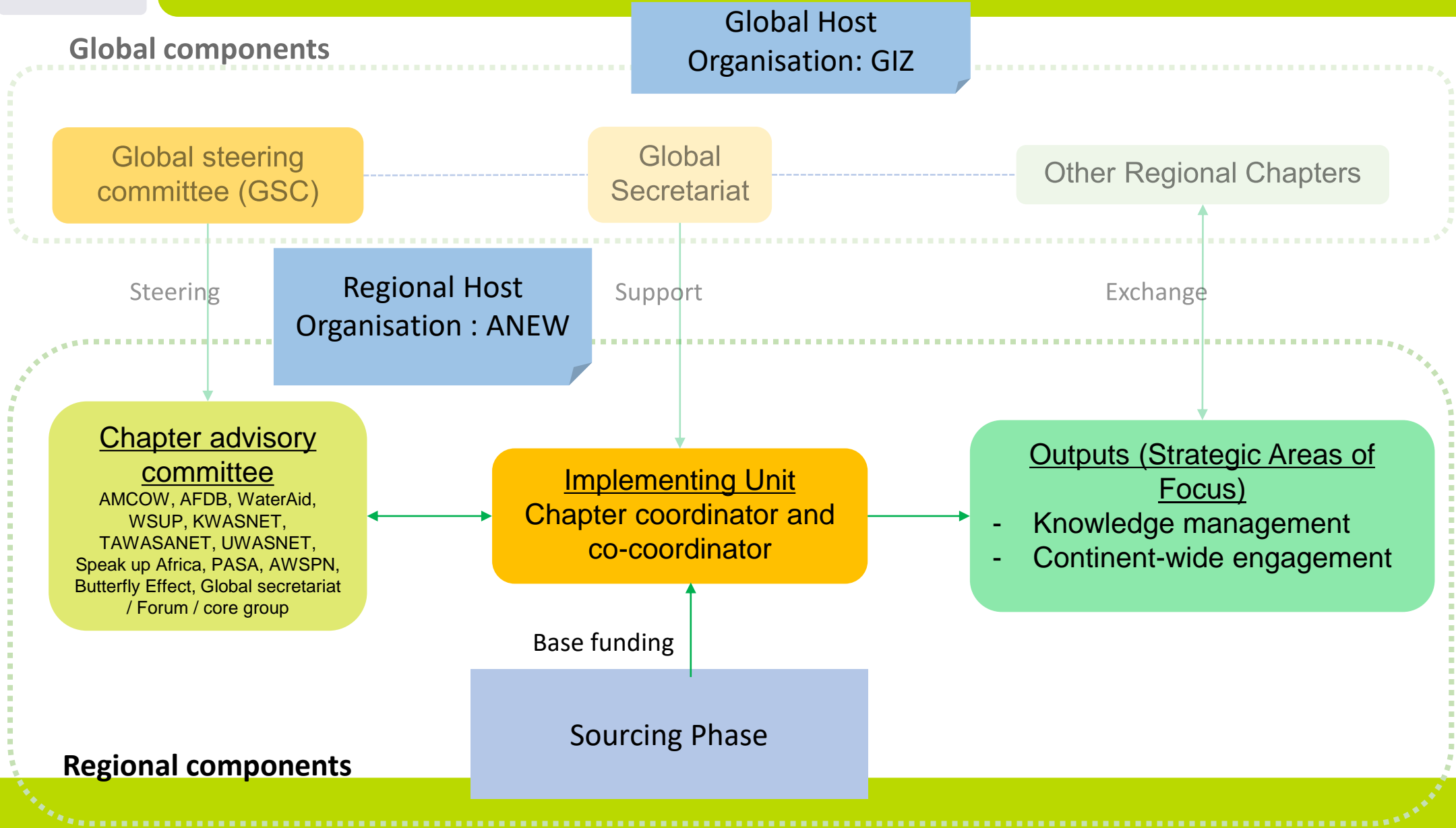
Co-coordinator: Chaiwe
Mushauko- Sanderse since June
2022

SuSanA Africa Chapter Background

Established in 2020 , with support from the now-ended WSSCC the SuSanA Africa Chapter aims to increase SuSanA's reach on the African continent:

- By using a demands-based approach to provide knowledge products, community of practice and learning services.
- By being an anchor, at a regional level of the sanitation sector in Africa to the SuSanA global sector Network
- By facilitating sector knowledge within the region and beyond
- By connecting and creating an alliance with regional funders
- By serving as a regional networking, communication and coordination hub.
- By enabling greater visibility and influence of WASH CSOs in sanitation from African countries to actively engage in the WASH sector at regional and global level.

SuSanA Africa Chapter Governance and Structure



Strategic Areas of Focus

The SuSanA Africa Chapter is currently strategically focused on the below four main activity areas:

1. Establish, curate and maintain a regional knowledge hub
2. Empowerment of the leadership of African Women in the WASH sector
3. Strengthening of individuals and youth organisations partnerships in the WASH sector
4. CSO engagement in key WASH processes and events

CSO engagement

- An integrated approach towards Regional Knowledge Management; AMCOW Hub of Hubs, SuSanA Forum
- Innovative and evidence-based water initiatives that advance water sector transformation and catalyse systems change for improved gender equity.
- Strengthening of individuals and youth organisations partnerships in the WASH sector

Partnerships and Funding

The SuSanA Africa chapter has built string partnerships in implementing key sector activities that align with the SuSanA Network Agenda as follows:

AMCOW- Regional Knowledge Management

AfWASA- Leadership Programme, Digital WASH, Gender

Activities and Updates

- SuSanA Africa Chapter's role in the Sanitation Policy Guideline
- Collaboration AMCOW and SuSanA Africa Chapter
- Collaboration between GWOPA and Africa Chapter --> anchoring their CoP in the SuSanA regional chapter
- South-South cooperation: e.g. cross-regional chapters engagement (SIR-WASH)
- Gender equality and Women empowerment in the WASH workforce
- Youth engagement / young professionals
- Co-convener: OVERDUE: Tackling the sanitation taboo across urban Africa is a research-action network funded by the UK Global Challenges Research Fund (2020-2023). University College of London

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Way Forward

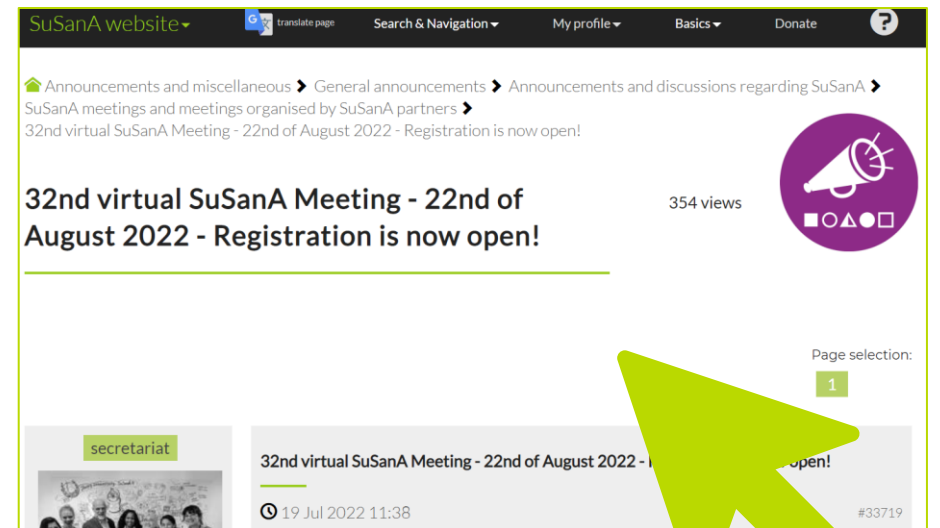
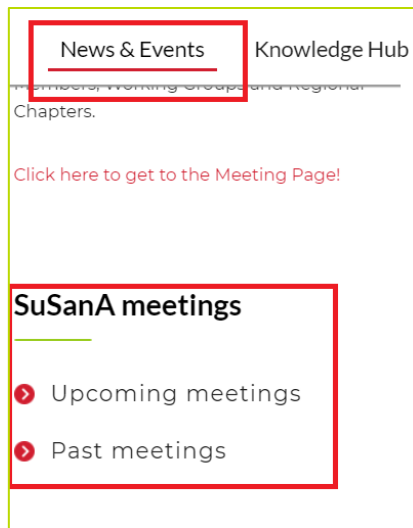
Charles Niwagaba - GSC SuSanA
Dorothee Spuhler - GSC SuSanA

Key Highlights

- Business as usual not the solution
 - ✓ Modular/decentralised systems vs centralized systems?
 - ✓ Break taboos, for instance, MHM
 - ✓ Use dance, drama etc
 - ✓ Increase women in the workforce, incl. male dominated jobs e.g. plumbing
- Embed sanitation as part of the solution to World crises
 - ✓ Solve water **climate crisis**? OSS presents higher GHG emissions – transform a challenge into opportunity? CBS to reduce GHG emissions?
 - ✓ Water **Quantity/quality/pollution crisis**?
 - ✓ **Fertiliser/Nutrient crisis**?
- Can urine and faeces feed the World?
 - ✓ Faeces to feed the world (organic matter 22,000 tons, nutrients \$26 bn/year; 70% of freshwater abstractions)
 - ✓ Tools and resources to contribute to bridging knowledge and action?
 - ✓ Bring networks together – network circle?

SuSanA Meeting: Presentation and Recordings

- Presentations and Recordings will be uploaded on the SuSanA Website – [here](#).
- We invite you to continue the Discussions in the SuSanA Discussion Forum – [here](#).





Thank you!

