



New Models of Engagement

Hand Hygiene, Water and Sanitation in Schools Technologies, Social Enterprises, and more

30th June 2022

CHAT
LISTEN
EXCHANGE

WEBINAR SERIES
WATER, SANITATION AND
HYGIENE (WASH) IN SCHOOLS
www.winsnetwork.org/events



The WinS Network

www.winsnetwork.org

Who we are?

Global inter-agency network
winsnetwork@giz.de

Objectives:

- ✓ To harmonize efforts in WinS
- ✓ To support ministries of Education to improve WinS services by aligning efforts among development partners and NGOs

Working streams:

- Advocacy, policy, and system strengthening
- Monitoring and reporting
- Research and evidence-building
- Gender including MHH
- WinS programming
- Knowledge management, capacity development, learning and exchange

Our core group members: UNICEF, GIZ, Save the Children, WaterAid, the WHO/UNICEF Joint Monitoring Programme (JMP), London School of Hygiene and Tropical Medicine, Emory University, UNESCO

Join as an individual or an organisation. See website for details!



Meet your moderator

Belinda Abraham, Berlin

- American national
- MSc. International Development Planning, University of Guelph, Canada
- BA (International Development) and BSc.(Biology), Dalhousie University, Canada

An international development specialist with over 20 years experience in the WASH and education sectors in Sub-Saharan Africa and Southeast Asia. Worked with UNICEF, GIZ, and a number of international NGOs in seven countries.

Presently:

- *Supporting the global WinS (WASH in Schools) Secretariat*
- *Working with German-based NGO Viva Con Agua Sankt Pauli on Institutional Fundraising.*
- *Consulting with M4E German based consultancy firm undertake Global Three Star Approach Study*



Meet your moderator

Tsedey Tamir

UNICEF Water, Sanitation and Hygiene (WASH) Officer, UNICEF Regional Office for West and Central Africa

- Ethiopian national
- Bachelor's degree in Physiology and International Development; Master's degree in Public Health from McGill University and the University of Eastern Finland, respectively.
- Focus WASH in institutional settings and menstrual health and hygiene
- UN Volunteer on the Gender Team
- Gender programming, knowledge management and public health research



Roswell Thomas, HappyTap

- Roswell is a Partnerships Director with HappyTap. He currently oversees projects in East Asia and the Pacific and has also worked on projects in East Africa and for school sales for the United States and United Kingdom. Roswell joined HappyTap at the beginning of the pandemic.
- Prior to HappyTap, Roswell worked for nearly 10 years with consulting firms focused on market-based development initiatives, including in financial inclusion, the environment, agriculture, and of course, water sanitation and hygiene (WASH). Immediately prior to HappyTap, Roswell was Business Development Manager for 17 Triggers, a behavior change and marketing consultancy. His professional introduction to HappyTap was during a LSHTM and WaterAid project on hand washing for neonatal health.

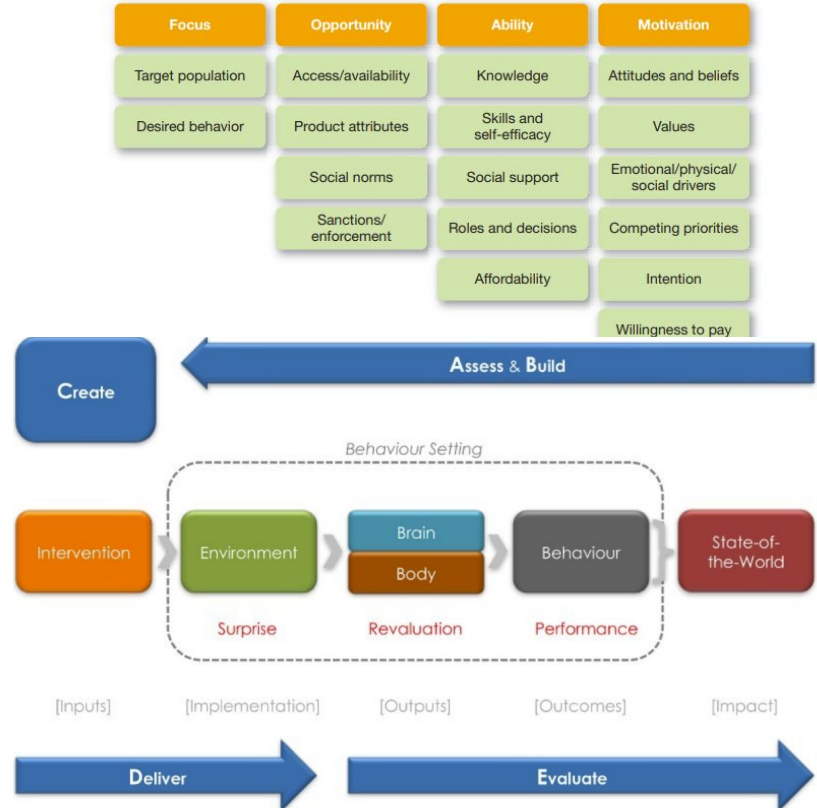
Hand Washing Within Reach

Or, Why HappyTap Co. Exists

For behavior change to be successful



FIGURE 1: SANIFOAM FRAMEWORK



Logical reasons to wash your hands



More fun, less logical

No one likes to eat with Mr. poop Hands.

Wash your hands yet?



Wash! Wash! Wash!

And make the context really, really easy



LSHTM flagged the path early in the pandemic

“...the greatest opportunity to improve HWWS may be to ensure access to a desirable and conveniently-located handwashing facility, with soap and water present. ”

The path for doctors

A study in Canada showed that doctors were unlikely to wash hands if a sink was not

1. **Within 7 meters; and**
2. **Line of sight**

For every additional meter, hand washing compliance dropped 10%.



Reducing Absenteeism: How Many Sinks?

Hand washing and school absenteeism: By the numbers

Examples of reductions in absenteeism in studies and projects around the world include:

54% Reduction by expanding hand-washing promotion and providing soap in target schools in China¹⁶

40% Reduction through twice-daily hand washing in 30 primary schools in Egypt¹⁷

35% Reduction in absenteeism through hand-washing and safe water interventions in Kenya¹⁸

27% Reduction through daily hand washing, deworming and oral hygiene in the Philippines¹⁹

20% Reduction among children reporting proper hand-washing practices in Colombia²⁰

← Minimum 1 tap per 30 students.

← Approx 1 tap per 34 students

← Assume 1 tap per 35 students?
(Student:sink ratio unclear;
student:latrine ratio is 35:1)

GIZ, UNICEF. Field Guide: Three Star Approach for WASH in Schools.
http://www.fitforschool.international/wp-content/uploads/2015/07/1457056162_UNICEF_GIZ_Field_Guide_Three_Star_Approach_for_WASH_in_Schools.pdf

One hand washing station per classroom is pretty great

- 7 meters, line of sight
- Social pressure in front of classroom.



Monitoring and accountability



How to catalyze the private sector to support WinS?



More clear school policies

Cambodia: can we interpret it as
“each latrine **and** classroom”?

Vietnam: publicize VIHEMA
guidelines (on paper but low
awareness) for 1 basin per 20-30
primary school students.

#	Category	(★) One-Star School
3	Hand Washing Facilities.	<ul style="list-style-type: none">• All students can use hand-washi <div>A basic hand washing facility is next to each latrine or/and classroom.</div>

Pandemic vs Post-Pandemic

Pandemic: emergency funding

- Funding surge
- Direct procurements
- Little to no monitoring budget

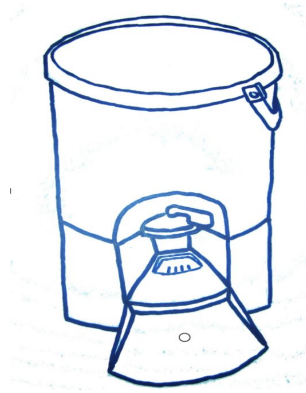
Post-Pandemic:

- Sustainable funding
- Competitive procurements, local supply chains
- Talk about what works in terms of *convenience* (clear metrics).



The journey continues! Thanks.

[https://www.happytap.net/
roswell@happytap.net](https://www.happytap.net/roswell@happytap.net)



Samuel Langat

Leader, Africa, SATO

- Samuel Langat works for LIXIL as the Leader of Africa operations for SATO.
- Sam is an accomplished strategic, commercial development leader and certified coach with extensive experience spanning 18 years in domestic and international markets in strategy and operations, involving both start-up and growth Multinational organizations.
- Sam holds a Global Business MBA, Post Graduate Diploma in Marketing and Bachelor's degree in Biochemistry.
- Sam is passionate about building a thriving African continent in a socially sustainable and environmentally conscious way.





'Empowering communities so they can live safer and more confident lives'

Sam Langatのパーソナルミーティングルーム

Leader, SATO Africa

June 2022



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Context

- **COVID-19:**
Frequent handwashing with soap is one of the most effective ways to stop the spread of coronavirus, and stakes are higher in places where health care systems may be overwhelmed (WaterAid)
- **Access to water and soap, hand washing facility non-accessible for many:**
40 per cent of the world's population, or 3 billion people, do not have a handwashing facility with water and soap at home (UNICEF)
- **Product need:**
Handwashing facilities drive handwashing behavior (LSHTM, WHO, World Bank)
- ***“We know that one of the most effective ways to reduce the spread of diseases is to wash your hands. But for the poorest and most vulnerable children and families, the immediate risk of COVID-19 is compounded by a lack of basic handwashing facilities,” said Kelly Ann Naylor, Associate Director of WASH, UNICEF. “This global pandemic has made it more essential than ever to work closely with governments and private sector partners, like LIXIL, to ensure handwashing is possible for all.”***

SATO reaches a unique customer base in LIXIL:

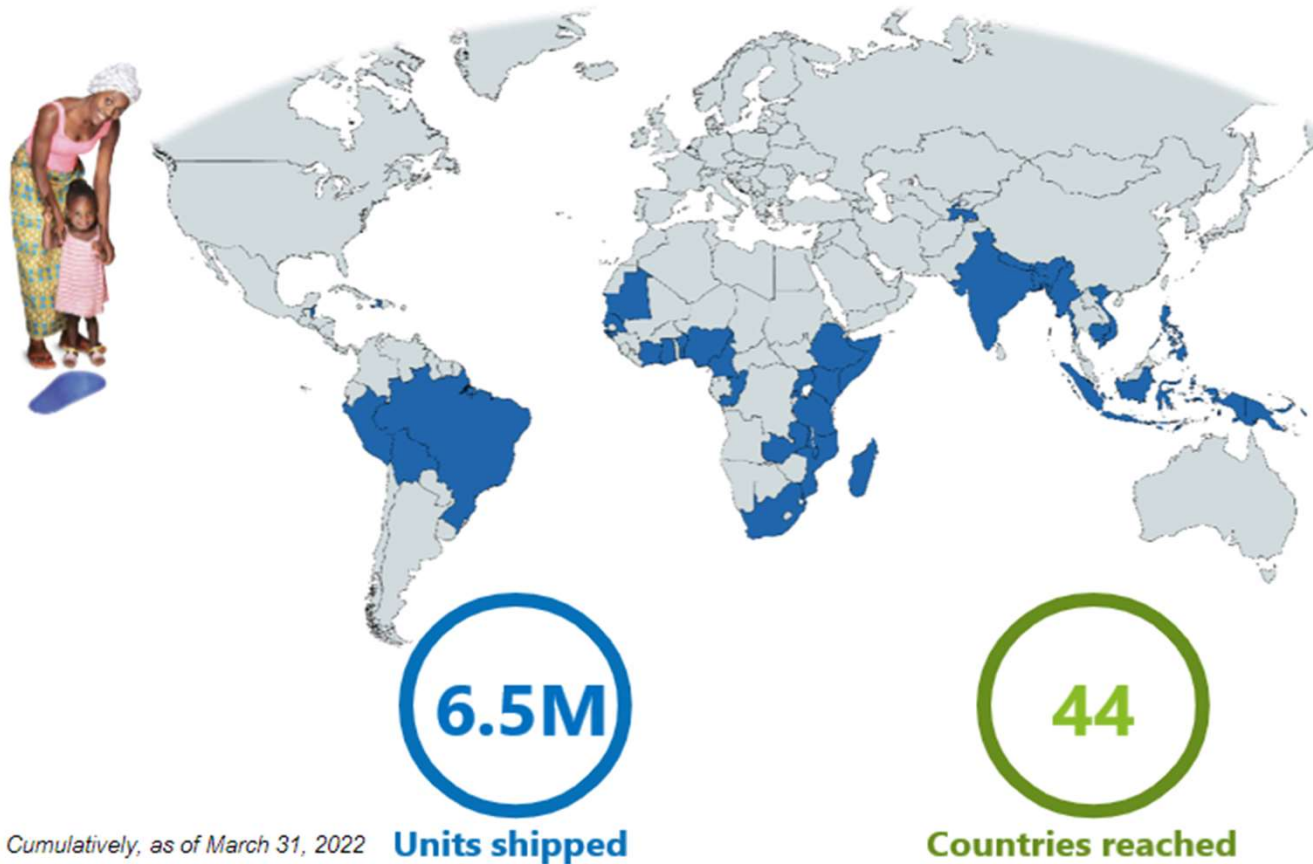
- SATO was launched in 2012, **SATO** is a social business embedded in LIXIL Corporation, a global building and water technologies company.
- Most well-known for its flushless, lightweight, durable **SATO pan and toilet** product that keeps out odors and meets basics sanitation needs. To date, SATO has reached over 25 million customers with 6.5 million products in 44 countries through various partnership models.
- Goal of reaching **100 million people with improved sanitation and hygiene by 2025**.

LIXIL's unique portfolio of brands, from INAX to SATO, caters to a broad spectrum of consumer lifestyles and needs.



SATO Products Around the World:

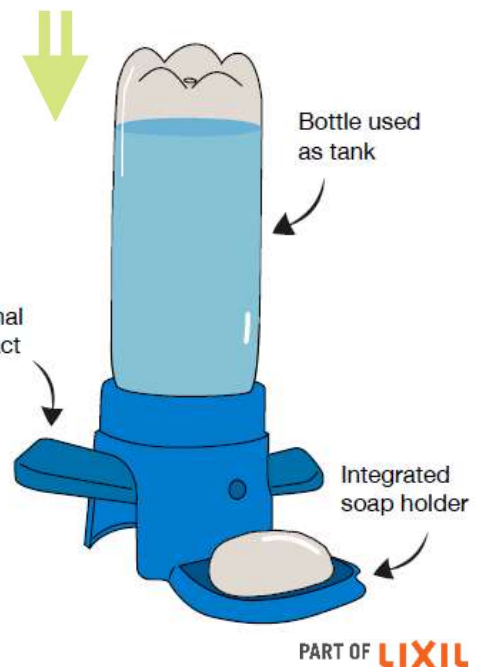
Projected to Ship over 1 Million units for Third Consecutive Year



SATO Tap

- An Affordable and Aspirational Hand Wash Solution for any where in the home or for shared use in the Communities.
- Developed in response to the COVID-19 pandemic, LIXIL sought technical inputs from its partners, including UNICEF, along with user feedback on existing technologies on the design to ensure it addresses the needs of the most vulnerable households.
- The partnership expansion also included collecting commercial and consumer insights to improve behavior change, joint advocacy to promote hygiene programming, and maximizing existing public and private-sector networks and supply chains to expand access to handwashing.
 - TIME's Best Inventions 2020
 - Red Dot Design Award
 - Good Design Award

Current handwashing stations

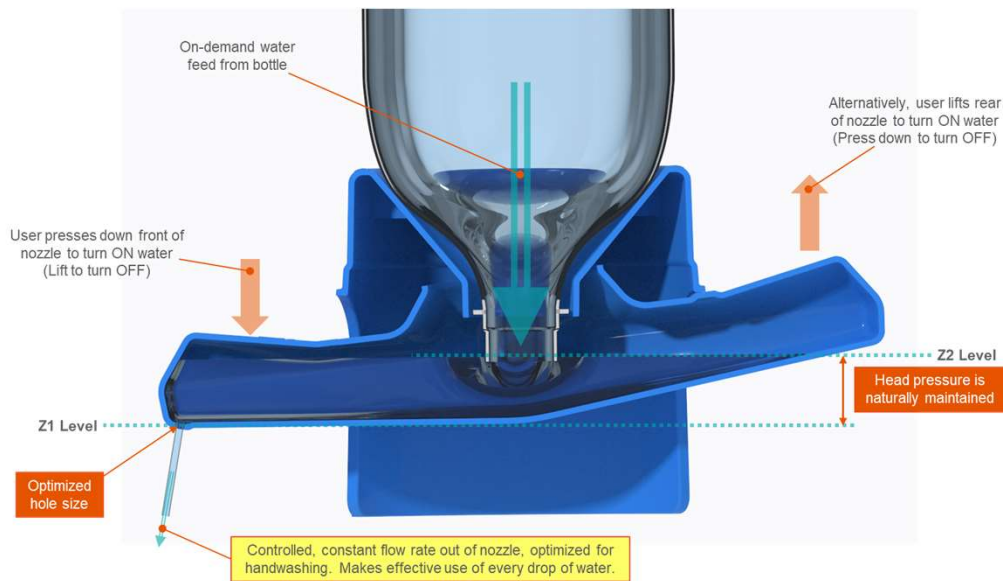


*"...could potentially **change the game** for hand hygiene in BOP households!"*

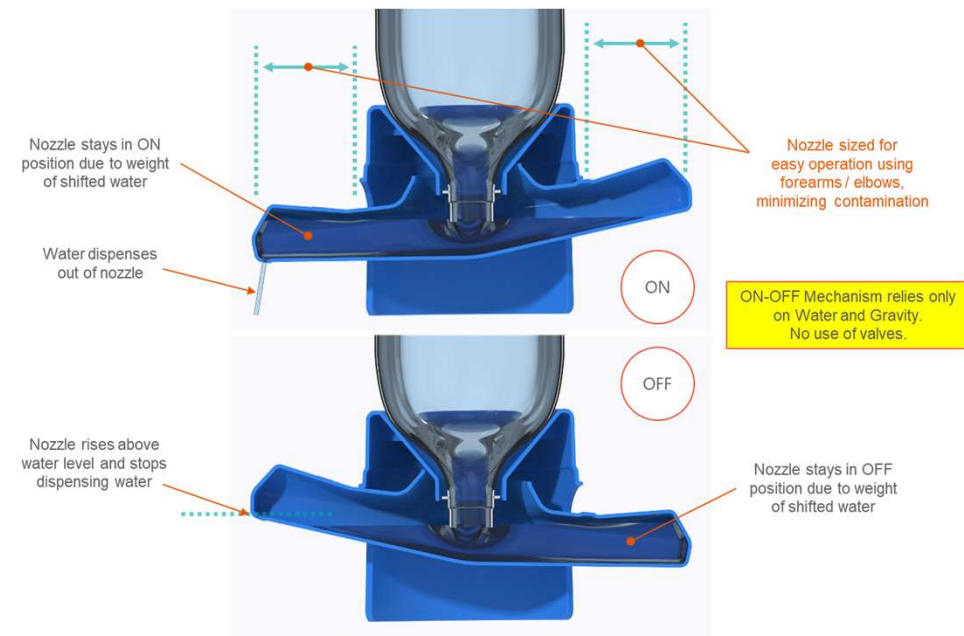
- UNICEF

SATO Tap: How it works:

Water Saving Technology



ON-OFF Mechanism



SATO Tap: Features and Benefits Summary

- **Water saving:** *Its trickle action minimizes water use, meaning fewer refills, while maintaining steady flow of water.*
- **Easy to assemble and quick ON/ OFF operation:** *Children/ elderly/ handicapped friendly, frees up both hands during hand washing*
- **Unique design that ensures less contact:** *Use of forearm/ elbow to operate. Minimizes chance of cross-contamination between users and re-contamination of hands after hand washing*
- **Provides easy access to hand washing:** *Compact size and portable design enables placement in high usage locations e.g., food preparation area, near toilets, etc.*
- **Provides easy access to soap reinforcing handwashing with soap behavior:** *Compatible with bar of soap or liquid soap dispensers*
- **Affordable and Aspirational:**
 - **Easy to mass produce:** *Common manufacturing methods.*
 - **Easy to distribute:** *Compact and lightweight.*
- **Long lasting:** *Made of durable, UV resistant plastic. Will never develop leak once properly set up*
- **Secure installation:** *Unit can be secured to floor to prevent theft*
- **Works with many of common plastic beverage bottles:** *Makes use of commonly existing plastic beverage bottles of roughly 30mm cap diameter. By giving second life to used plastic bottles, keeps them away from littering the environment, and help alleviate stress on plastic recycling industry*

SATO Tap Testing in COVID19 response:



SATO Tap journey and what next:



- It's been more than one year since the Global launch of SATO Tap in June 2020. Lixil committed USD 1M (Approximately 500K SATO Tap units) towards a donation program in Africa and India in response to COVID19 pandemic.
- We have licensed manufacturing in the Tanzania Hub to serve initial focus countries, with successful shipments within Tanzania and in exports to Kenya, Rwanda, Uganda, Ethiopia and Nigeria.
- This is the first step to develop a sustainable retail market, to make hand hygiene accessible, acceptable, more readily available and affordable.
- Commercial roll-out plans ongoing, starting with Tanzania, with plans for Kenya and manufacturing in Nigeria.
- We look forward to more milestones on our journey towards [#sanitationandhygieneforall](https://www.sato-lixil.com/sanitationandhygieneforall).

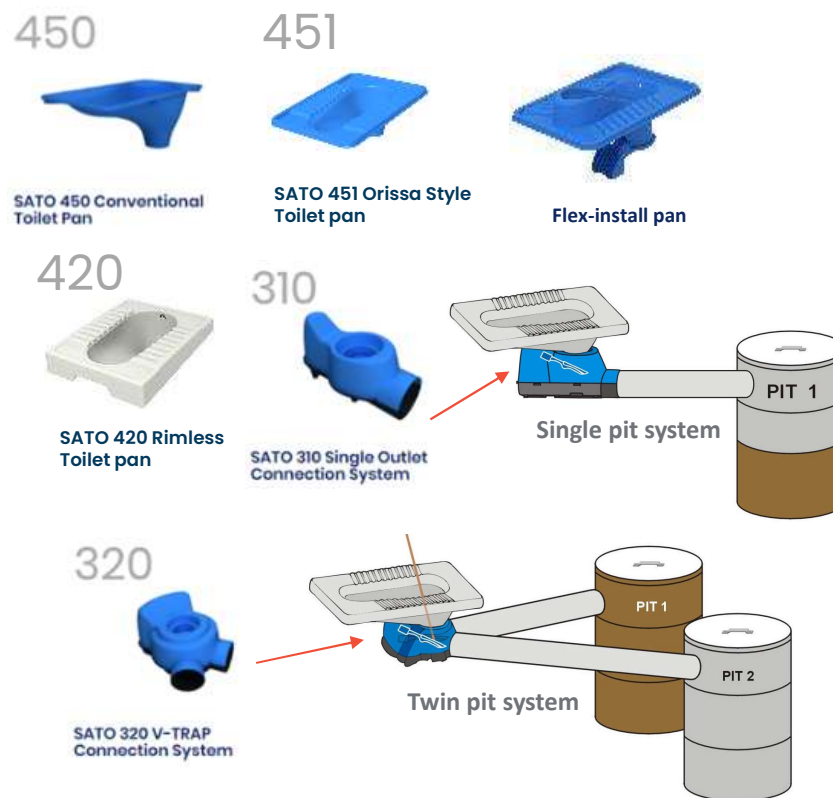
SATO's broad range of product innovation as a solution:

Tools serve households and users, increasing efficiency for Masons and NGOs

Toilet Interface



Off-set Pit Solutions



Near-term Pipeline

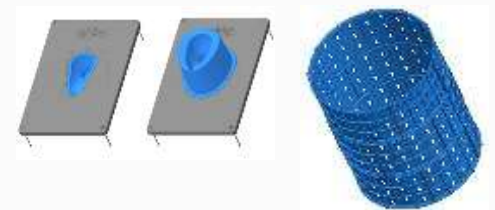
Hygiene (new category)



Urine diversion

Retrofit

Structure (new category)



R&D

Treatment and complementary products

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School Toilet Enhancement Program (STEP):



No of schools
upgraded

31



Impact **41,000+**



TOTAL COST **\$58,800**
Avg cost per school **\$1,900**



Sanitation is essential to solving global challenges



Frederick Madrid, GIZ, WASHaLOT

Frederick Madrid is a WASH adviser at GIZ Fit for School program.

His expertise is in the design, production, and implementation of a group handwashing facility specifically the “WASHaLOT”.

He is also involved in developing training materials targeting different stakeholders for the production process of the WASHaLOT.

He is also involved in the development of a WinS Operation and Maintenance package to support schools in managing WASH activities and facilities at the school level including costing and management support tools.

Fred is also supporting the WinS network secretariat on website management.





JUNE 2022

WASHaLOT 3.0

A versatile design of a group handwashing facility

Presented by: Frederick Madrid



The WASHaLOT 3.0

Simultaneous handwashing making it a fun activity



Basic Components



1. Main Pipe
2. Water outlets
3. Legs/Posts

How does it work?

- Plug and play
- Can be connected to existing piped water supply or manually refilled
- Can be set-up near an existing drainage or on gravel beds



How does it work?

- Minimal amount of water flows when the lever is pushed to the side
- Up to 150 hand washing events for a water capacity of 25 liters



Key Features

- Self-cleaning and automatically closing water outlets
- Minimal water consumption
- Mobility



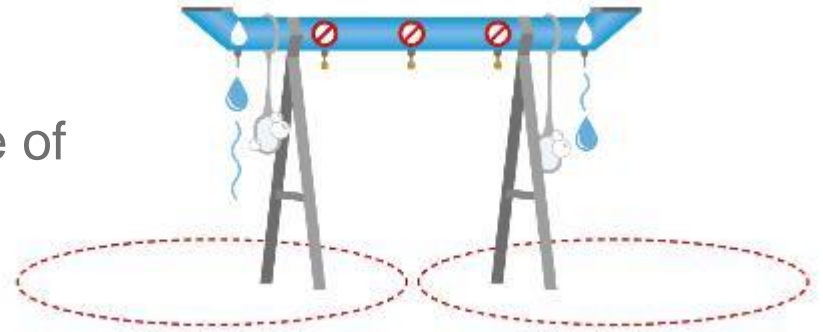
Key Features

- Easy maintenance
- Compact design
- Scalability



WASHaLOT 3.0 during the pandemic

Covering or closing several outlets to follow adequate physical distance through use of nudges



WASHaLOT 3.0 during the pandemic

Local companies in Indonesia and Philippines were identified and together with GIZ Fit for School, **set-up a mass production site for the WASHaLOT** that includes clear production assembly lines and quality assurance protocols. A total of **2000 units of WASHaLOT 3.0** were mass produced in Philippines and Indonesia



WASHaLOT 3.0 during the pandemic

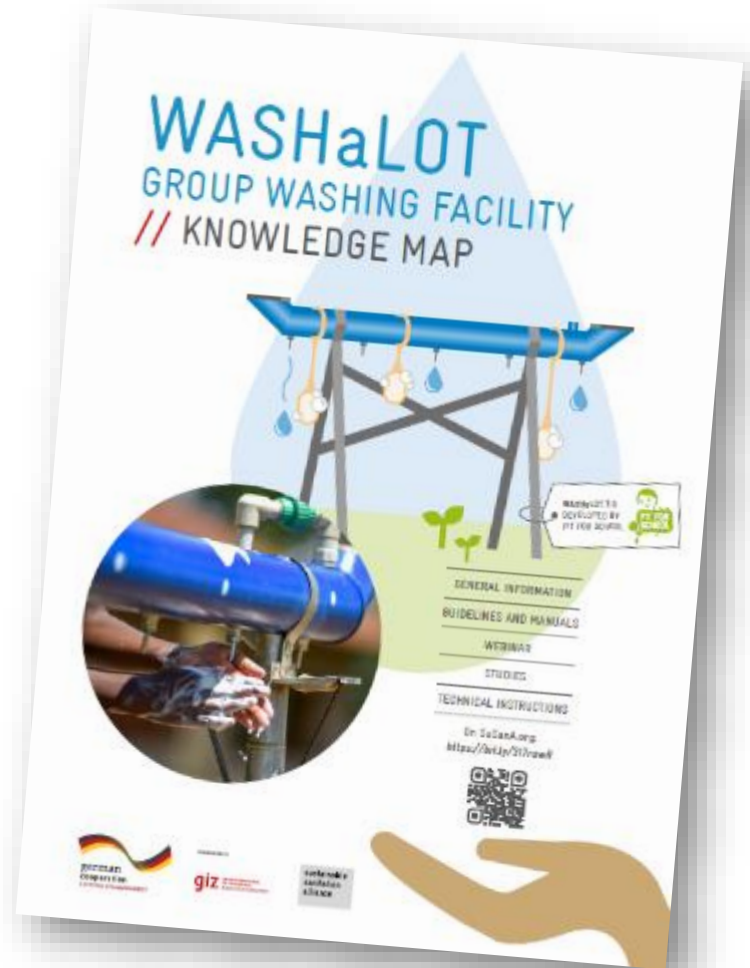
Distributed to schools to be installed at school entrances to support the efforts of education ministries of Indonesia and Philippines in slowly resuming face-to-face classes in schools.



WASHaLOT Knowledge Map

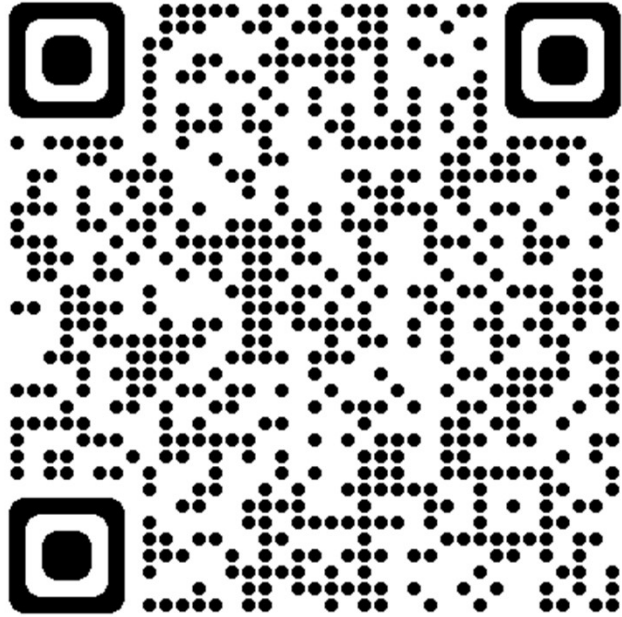
This publication is a collection of documents providing general information, guidelines and manuals, webinars, studies and technical instructions for the WASHaLOT

bit.ly/WASHaLOTKnowledgeMap



Visit us at
www.fitforschool.international





We are listening and
welcome your feedback!

Photo credit: Ghana Education Service