

# Placing Sanitation at the Centre of Urban Planning and Development

23 OCTOBER 2024

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## WEBINAR INFORMATION



- **'Chat' box:** please use this for general requests and for interactive activities.
- **'Q&A' box:** please use this to send questions to the panelists. (We will answer these during the discussions)

***Please Note:** Attendees' microphones are muted. We cannot respond to 'Raise Hand'.*

# MODERATOR & SPEAKERS



Andre Dzikus  
UN-Habitat HQ  
(Moderator)



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IWA  
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Urban Development  
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EAWAG  
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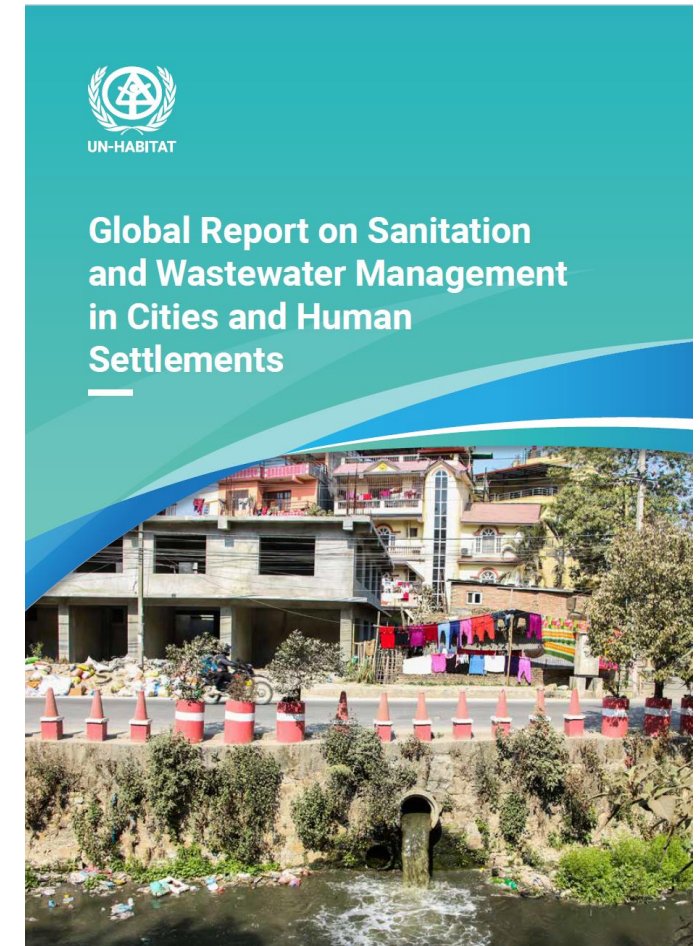
# AGENDA



- Welcome, housekeeping rules, introduction (5 mins)  
*Andre Dzikus, UN-Habitat*
- Remarks from IWA (3 mins)  
*François Brikke, IWA*
- Keynote speech: Sanitation and Wastewater Management: How do they fit in Urban Planning? (7 mins)  
*Shipra Narang Suri, UN-Habitat*
- The Way Forward – Bringing Sanitation and Wastewater Management to the Heart of Urban Development (15 mins)  
*Sam Drabble, WSUP*
- Poll (5 mins)
- Q&A & Panel Discussion (45 mins)  
*All speakers and moderator*
- Key messages and Close (10 mins)  
*Andre Dzikus, UN-Habitat*

# INTRODUCTION: SCALING CITYWIDE INCLUSIVE SANITATION SYSTEMS (CWIS) PROJECT

- UN-Habitat has been implementing the “Scaling Citywide Inclusive Sanitation Systems (CWIS)” Project with support from BMGF since 2020.
- As part of this project, UN-Habitat launched the **Global Report on Sanitation and Wastewater Management in Cities and Human Settlements** during the second session of the United Nations Habitat Assembly held in June 2023.
- With 18 cities and 5 inspiring in-depth case studies, the Report demonstrates that cities are beginning to develop the economic, institutional and regulatory measures required to ensure the agriculture sector and wider society can benefit from treated wastewater.
- This webinar will focus on Chapter 10 of the Global Report on integrating wastewater and faecal sludge management services with wider urban development and slum upgrading processes



[https://unhabitat.org/sites/default/files/2023/06/water\\_report\\_web.pdf](https://unhabitat.org/sites/default/files/2023/06/water_report_web.pdf)

# Remarks from IWA

FRANÇOIS BRIKKE, IWA

**inspiring change**



# Sanitation and Wastewater Management: How do they fit in Urban Planning?

SHIPRA NARANG SURI, UN-HABITAT

inspiring change



# Bringing Sanitation and Wastewater Management to the Heart of Urban Development

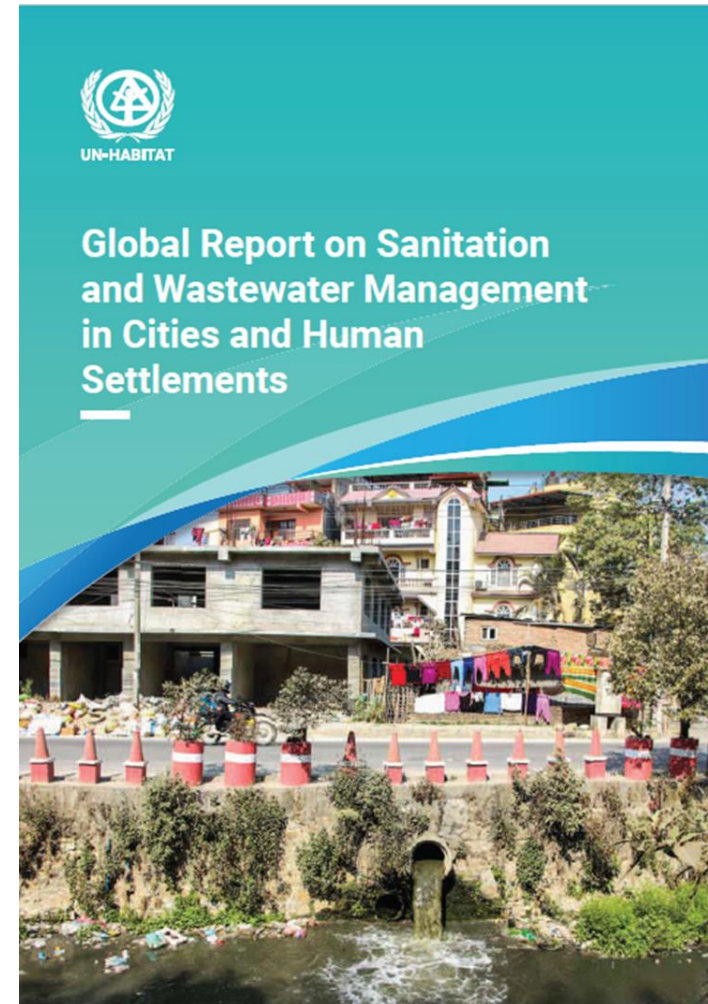
THE WAY FORWARD



# INTRODUCTION TO THE GLOBAL REPORT

## Background:

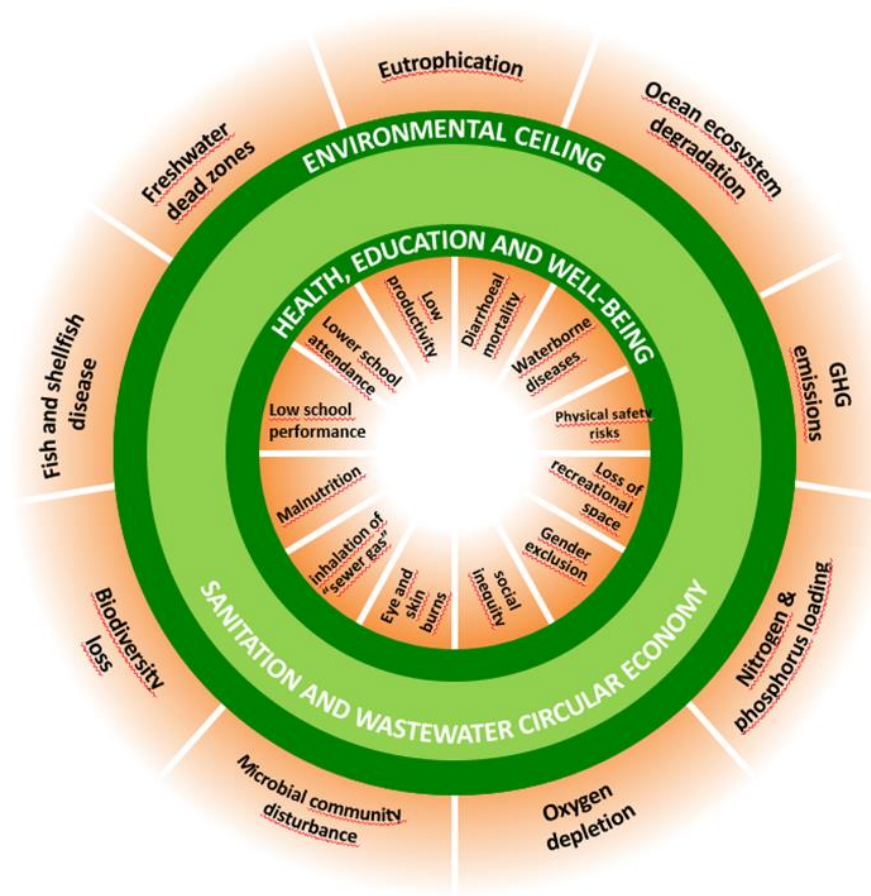
- Initiative falls under UN-Habitat's mandate to work towards resilient and sustainable cities
- Report provides a **global reference** on wastewater and faecal sludge management in urban settings
- Report aims to raise **political visibility** of this issue, highlight **best-fit practice** and provide **technical guidance** for regional, national and city-level decision makers



# KEY MESSAGES

## Background:

- Halfway through the SDG era, governments and other actors still **lack critical data** on the status of wastewater and fecal sludge treatment, globally and at the country level
- **Urbanization is further intensifying the challenge** of wastewater and faecal sludge treatment
- **Sanitation is a public good, and sanitation services must be organized into public service systems.** This involves financial planning, clear responsibilities, accountability frameworks, and capacities for data management
- By highlighting the **cost of inaction**, the report provides the rationale for a **strong and urgent public response** to the urban sanitation challenge



# GLOBAL MAPPING: 18 FOCUS CITIES

## Eastern and Southern Africa

Nakuru, Kenya  
Dar es Salaam, Tanzania  
Kampala, Uganda

## Western Africa

Ouagadougou, Burkina Faso  
Lomé, Togo  
Dioïla, Mali

## MENA

Amman, Jordan

## Latin America

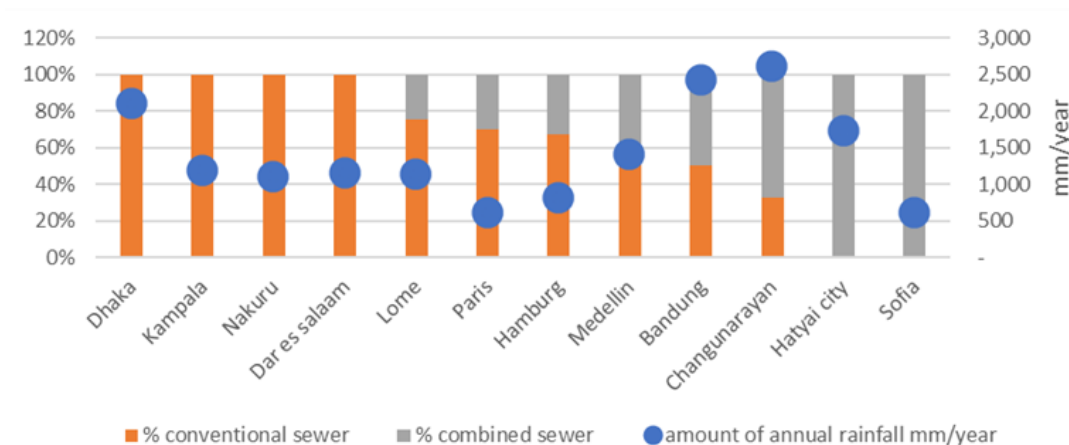
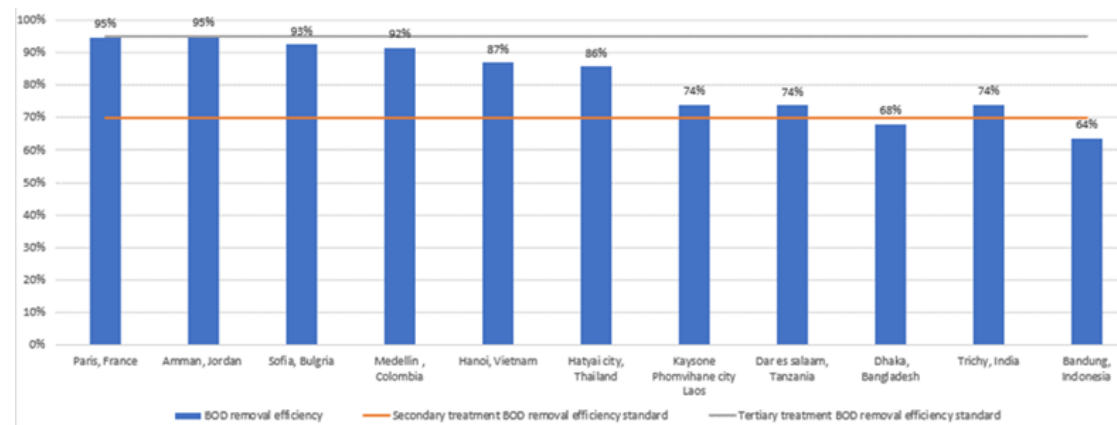
Medellin, Columbia

## Europe

Paris, France  
Hamburg, Germany  
Sofia, Bulgaria

## South / South-East Asia

Dhaka, Bangladesh  
Hanoi, Vietnam  
Bandung, Indonesia  
Hat Yai, Thailand  
Changunarayan, Nepal  
Kaysone Phomvihane, Lao PDR  
Trichy, India



# IN-DEPTH CASE STUDIES

***Resource Planning and Management: Medellin, Columbia***

Long-term planning and financing of citywide wastewater and sanitation services

***Responsibilities: Ouagadougou, Burkina Faso***

Extending services to informal settlements

***Accountability: Dhaka, Bangladesh***

Sanitation and wastewater management in megacities – institutional and regulatory aspects

***Data Management: Nakuru, Kenya***

Piloting a new tool to enhance sanitation data management and inform sanitation investment planning

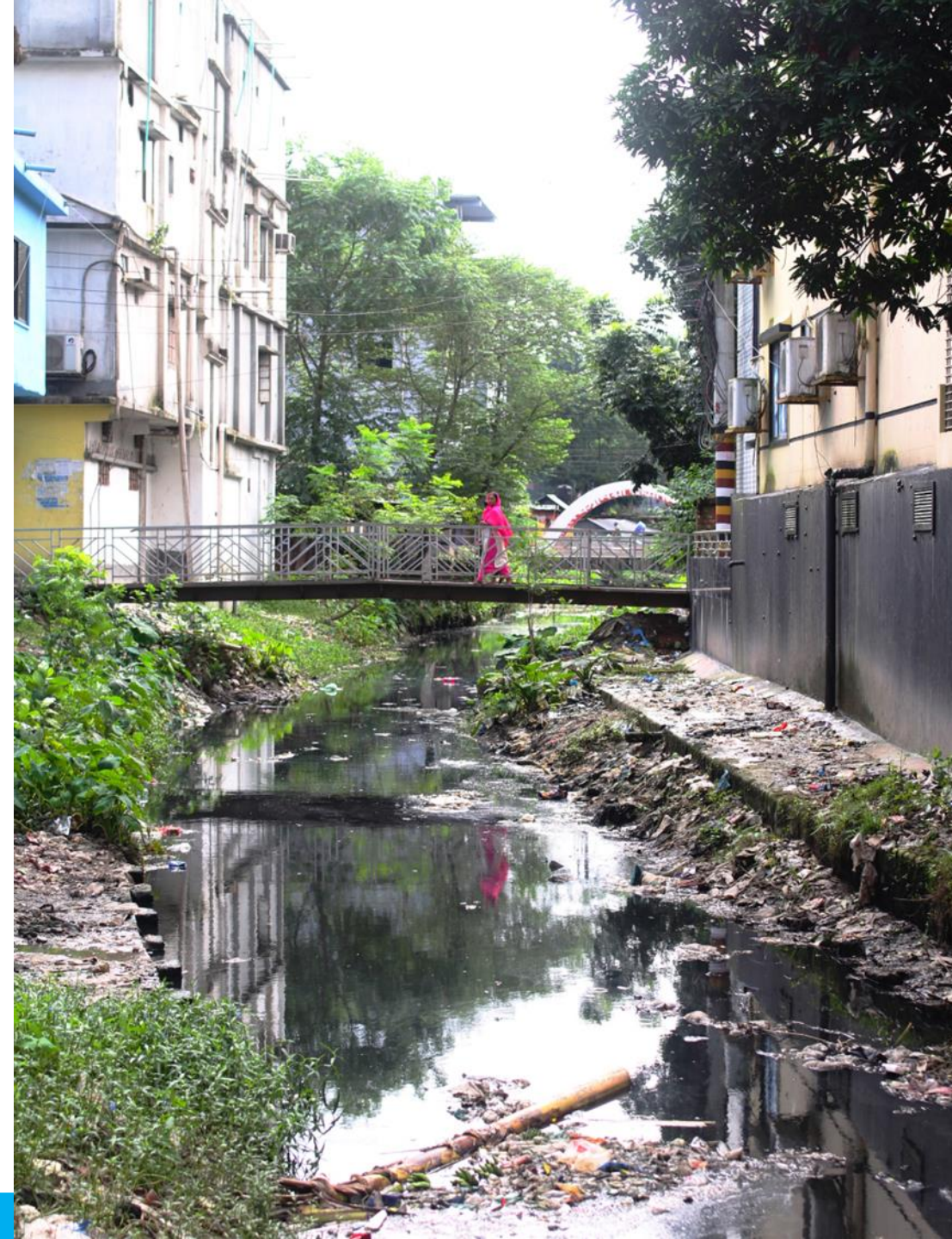
***Climate resilience and emerging innovations: Hanoi, Vietnam***

Implementing climate-resilient wastewater management systems



# THE WAY FORWARD

1. **Cities need to invest more, across the sanitation service chain, and invest more smartly**, with specific attention to the environmental context as well socio-economic conditions and climate change risks
2. **Wastewater and faecal sludge management services must be integrated with national and local urban policies**, strategies and plans, including slum upgrading processes
3. **Roles and responsibilities** with regards to sanitation, from policymaking to service delivery across the sanitation service chain, have to be clarified so that **actors have clear mandates to deliver on**
4. **Financial and human resources must be allocated to regulation design and enforcement**, without which service providers will not have incentives to invest as they should
5. **National monitoring systems for sanitation, wastewater and faecal sludge management services must improve radically**, with countries supported in developing credible public data systems incorporating all sanitation outcomes
6. **Cities need to adopt measures for safe wastewater and faecal sludge valorization**, even ahead of the full development of sanitation services, to mitigate health and environmental risks associated with this resource



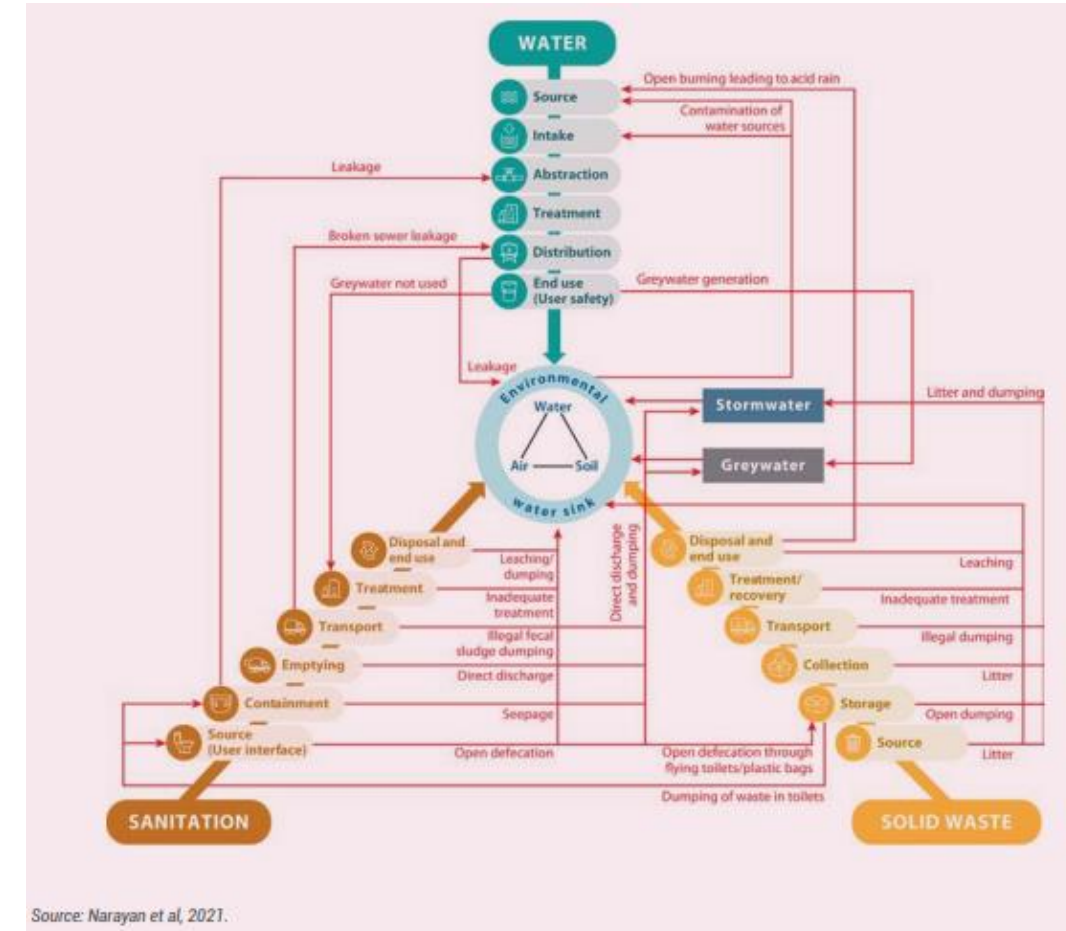
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**WASTEWATER AND FAECAL SLUDGE MANAGEMENT SERVICES MUST BE INTEGRATED WITH NATIONAL AND LOCAL URBAN POLICIES, STRATEGIES AND PLANS, INCLUDING SLUM UPGRADING PROCESSES**

- In urban environments, water access, sewerage and onsite sanitation, drainage, SWM, street design and land tenure are all **inextricably linked**
- This means coordination of basic services is required to **mitigate risks of service failure**
- An integrated approach to basic services is fully **in line with international strategic commitments**
- **Case studies are now emerging** where sanitation improvements have been successfully integrated with wider urban development initiatives...



# INTEGRATED SLUM IMPROVEMENT PLAN: MUKURU, NAIROBI

## Planning process:

- Mukuru declared **Special Planning Area** in 2017, due to its unique environmental, health and development challenges
- Nairobi Metropolitan Services (NMS) required to develop and adopt an **integrated improvement plan** by 2019
- 7 sector plans developed by a coalition of 46 organizations, consolidated into the **Mukuru Integrated Strategic Urban Development Plan-ISUD** and adopted by the national and county governments for implementation. Plan **formally gazetted** with strong political support
- **Participatory planning process** led by Muungano wa Wanavijiji involving consultation with **100K households**

## Outcomes:

- Improvements to date include **new roads, drainage, street lighting, improved water access**
- Within the framework of this initiative, Nairobi City Water and Sewerage Company and NMS **successfully piloted simplified sewer systems in Mukuru**, as a cost-effective way of leveraging the settlement's existing trunk sewer infrastructure



# HABITAT PROJECT: CHAMANCULO, MAPUTO

## Planning process:

- Ongoing initiative commenced in 2015 in Chamanculo C (Pop – 23K), one of the most densely populated low-income communities in Maputo
- **Collaboration between municipalities** of Barcelona and Maputo, and between Arquitectos Sin Fronteras (ASF) and the Mozambican Lawyers Association
- **Initial focus on tenure regularization** (DUAT), plot boundaries and road access
- Since 2017 WSUP has worked alongside DUAT process to support **construction of sanitation facilities**



## Outcomes:

- Project **reduced the costs to residents** of formal application for **tenure recognition**
- Demonstrated that slum upgrading processes can **improve location selection** for new sanitation facilities and **improve access and safety** within the settlement
- Now set to be **scaled-up across 18 LICs** in Maputo



# WHAT DOES INTEGRATION PRACTICALLY INVOLVE?

## 1: Advocate for high-level government commitment to unblocking political and bureaucratic hurdles

- Barriers may include lack of ownership of city sanitation plans among city governments, absence of a uniform planning framework, unreliable financial support, overlapping jurisdictions
- Nairobi, Maputo and **Gol Slum Improvement Project** good examples of overcoming these barriers through government leadership

## 2: Create structures for interdisciplinary and multi-sectoral collaboration, supported by the integration of slum upgrading into citywide strategic planning

- As a foundational step, policy, institutional and regulatory frameworks should support **integration of water supply and sewerage and onsite sanitation** wherever feasible (see ASPG, ESAWAS guidance)
- Wider integration can then be enabled through the creation of **cross sectoral committees**, to support processes of policy formation at national level, and slum and urban upgrading at city level



# WHAT DOES INTEGRATION PRACTICALLY INVOLVE?

## 3: Place urban development departments at the centre of urban sanitation service planning

- Needed to support the **pro-poor targeting** and expansion of sanitation services at the city level
- Governments must establish **clear mandates** for sanitation but also for urban development, local government, and housing, among others

## 4: Ensure institutional mechanisms for the promotion of community participation in all stages of the planning process

- As evidenced in Mukuru, large-scale community engagement is essential for delivering urban development outcomes

## 5: Create financial incentives through the creation of integrated funding streams

- Most external funding remains highly siloed within the sanitation sector and tied to a **short-project mode of delivery**
- Funding streams need to evolve to address integrated slum improvement, **encouraging sanitation actors to partner** with actors bringing other expertise



## RECAP: KEY MESSAGES

1. Advocate for **high-level government commitment** to unblocking political and bureaucratic hurdles
2. Create **structures for interdisciplinary and multi-sectoral collaboration**, supported by the integration of slum upgrading into citywide strategic planning
3. Place **urban development departments** at the centre of urban sanitation service planning
4. Ensure institutional mechanisms for the **promotion of community participation** in all stages of the planning process
5. Provide financial incentives through the creation of **integrated funding streams**



**POLL**

MODERATOR: DEWI HANOUM

# Q&A Discussion

MODERATOR: HEZEKIAH PIREH

# PANELISTS



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Switzerland

# UPCOMING IWA WEBINARS & EVENTS

The poster features a background image of a water treatment facility with large circular tanks and industrial structures under a clear sky. A blue wavy line separates the top text from the bottom information. The IWA logo is in the top right corner of the poster.

**WEBINAR**

**Strengthening water and sanitation regulatory systems: feedback on Call to Action draft**

 **1 November 2024**  
13:00-14:30 GMT

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# Final remarks & Conclusion

MODERATOR: ANDRE DZIKUS

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