

WHAT DOES IMIS FACILITATES

With multiple data sources and real-time-data integration, IMIS can help improve CWIS sanitation situation by effective planning, management, and monitoring & evaluation.



1. equitable access to safe, adequate & efficient infrastructure
2. sustainable infrastructure, assets and services
3. gender intentional and socially inclusive services and infrastructure
4. fair and strategic pricing of services
5. the use of public finances for the expansion of infrastructure and services and
6. sanitation workers' rights, protections and safety nets

1. safe management of sanitation infrastructure and services
2. the fair distribution of public finances for the expansion of infrastructure and services;
3. implementation of equitable costs and efficient cost recovery
4. implementation of pro-poor, gender intentional and socially inclusive mandate;
5. institutionalization of key performance indicators (KPIs)
6. implement accountability measures as well as enforce regulations including incentives and penalties.

1. the quality and distribution of services and infrastructure,
2. service authority performance vis-à-vis the KPIs and targets;
3. financial sustainability of service delivery and infrastructure,
4. public health and environmental outcomes and
5. pro-poor, gender intentional and socially inclusive targets.

IMIS

"A powerful tool developed to catalyze CWIS outcome, that facilitates, efficient and effective planning, management, and monitoring & evaluation of sanitation systems and service delivery"



INTRODUCTION

IMIS is an Information System catalyzing CWIS outcomes, that facilitates efficient and effective planning, management, and monitoring & evaluation of sanitation systems and services. IMIS is a convergence of web, mobile and GIS technologies developed on open source software platforms.

CITYWIDE INCLUSIVE SANITATION (CWIS)

CWIS is an approach initiated by BMGF to ensure everyone in an urban area is served by safe, equitable, and financially viable sanitation systems and services. CWIS systems are designed to reach the poor and to ensure human waste is safely managed along the whole sanitation service chain (safe containment to safe disposal/reuse).

CORE CWIS OUTCOMES	EQUITY Services reflect fairness in distribution and prioritization of service quality, prices, deployment of public finance/ subsidies	SAFETY Services safeguard customers, workers and communities from safety and health risks by reaching <i>everyone</i> with safe sanitation	SUSTAINABILITY Services are reliably and continually delivered based on effective management of human, financial and natural resources
CORE CWIS FUNCTIONS	RESPONSIBILITY Authority(s) execute a clear public mandate to ensure safe, equitable and sustainable, sanitation services for all	ACCOUNTABILITY Authority's(ies)' performance against its mandate is monitored and managed with data, transparency, and incentives	RESOURCE PLANNING AND MANAGEMENT Resources—human, financial, natural, assets—are effectively managed to support execution of mandate across time/space

IMPORTANCE OF DATA IN CWIS

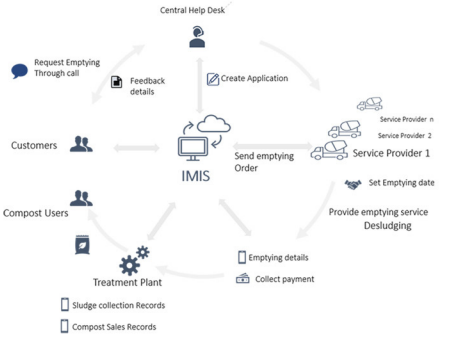
UN Water SDG 6 Global Acceleration Framework has identified data and information as one of the five accelerators of SDG 6 outcomes.



CWIS is an approach to achieve SDG 6.2 and data is a key success factor for successful implementation of CWIS.

IMIS - DRIVEN SERVICE MODEL

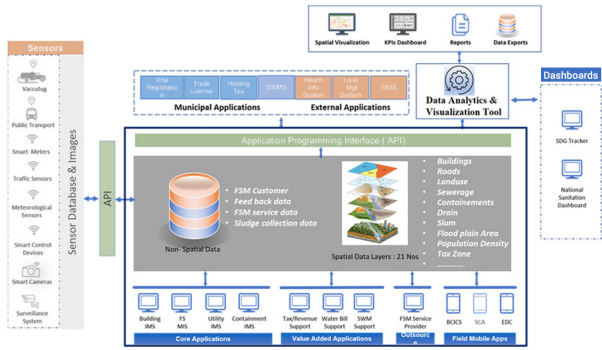
CWIS Service Chain from Safe Containment to Safe Disposal/ Reuse.



IMIS LANDSCAPE

- Municipal GIS and CWIS database of the town
- Tools for strategic sanitation planning, infrastructure investment planning and decision-making
- Business process mainstreaming Sanitation Value Chain with municipality's regular business process
- Dashboard for real-time monitoring and evaluation of CWIS system and service
- Interoperability system to integrate with external data sources - tax payments, health, emergency response, satellite and other spatial data source

IMIS - SYSTEM ARCHITECTURE



KEY COMPONENTS OF IMIS

IMIS currently holds nine major components for Efficient Planning, Management, and Monitoring & Evaluation of Sanitation Systems and Services.



- BUILDING INFO. MANAGEMENT SYSTEM**
 - Maintains building information
 - Enables to add new buildings with location information using mobile app.
- SEPTIC TANK INSPECTION SUPPORT SYSTEM**
 - Containment assessment for emptying (Supervisor Mobile App)
- UTILITY INFORMATION MANAGEMENT SYSTEM (ROADS, DRAINAGE)**
 - Maintains Roads Information
 - Maintains Drain Information
- SWM INFORMATION SUPPORT SYSTEM**
- WATER SUPPLY INFORMATION SUPPORT SYSTEM**
 - Integrate water supply bill payment status data
 - Spatial visualization of buildings with their water bill payment status
- FS INFORMATION MANAGEMENT SYSTEMS**
 - Application / Customer information management
 - Containment Information management
 - Transfer Stations Information
 - Treatment Plants Information
 - Service Providers Information
 - Compost Sales Information
 - Sludge Collection in Treatment Plant
 - Create new containments (Mobile App)
- FSM MONITORING & EVALUATION SYSTEM**
 - Emptying service detail collection after emptying containment for Vacuuming operator
 - Customer Feedback
 - Chart showing containments to be emptied in coming month/selected date
 - Chart showing applications per wards
 - Chart Emptying service / Feedback
 - Chart Emptying service provided by year
- DECISION SUPPORT SYSTEM**
 - Dashboard
 - Basic Navigation Tools
 - Tools and many other functions help in decision making & Planning
- PROPERTY TAX COLLECTION SUPPORT SYSTEM**
 - Integrate property tax payment status data
 - Spatial visualization of buildings with their tax status
 - Spatial visualization of buildings, containments and many other features in Tax Zone