



SIWI 2017

## Operation and Maintenance for WinS – Introducing a Costing Tool



# WinS in the SDGs: All schools should reach Basic WASH Service by 2030

## Basic drinking water

Drinking water from an **improved** source is **available** at the school

## Basic sanitation

Improved facilities, which are single-sex and usable (**accessible, functional, private**) at the school

## Basic handwashing

Handwashing facility with **water and soap** at the school

# WinS O&M Cost Calculation - in response to SDGs and National Guidelines

Categories	Needs / Input
<b>WATER</b>	
For drinking	1 Liter drinking Water per Day / Student
For Cleaning and hygiene	5 Liter per Day / Student
<b>SANITATION</b>	
Cleaning	Materials & Labor
Simple Maintenance	
<b>HYGIENE</b>	
Consumables	200g Soap / Student / per year

## O&M – essential to sustain functionality

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# Cost for O&M depends on type of facility

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# Type of toilet impact on Cost for O&M

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Photo Credit: Mohini Venkatesh

# What are the cost to keep WinS running?

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- The presented costing tool is intended to define the need and calculate the cost for O&M.
- The calculations are based on the assumption that the infrastructure is functional, one toilet / 50 students and access to water is given. **Major, unpredictable repairs are not part of this planning tool.**
- Cost depend on local setting with huge variety even within countries
- Government funds for O&M are allocated per school based on number of children and vary between countries

## Toilet user's Kit - 6 \$ per cubicle/ year

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Cleaning Kit – 30\$ per toilet block = 10\$ per toilet cubicle/ year

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Cleaning kit: Cleaning agent – 15\$ - 25 \$ /  
toilet / year

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# Maintenance Kit – 9 \$ / toilet / year



## Example to calculate cost for **O&M Sanitation** per Year / per cubicle / per student

TOTAL COST: Sanitation		Ratio	Cost/ Student
Users and Cleaners kits	39 \$	/ 50 Students	Materials: 1.10 \$ Labor: 3.60 \$ TOTAL: 4.70 \$
Maintenance materials	9\$		
Disludging services	7\$		
<b>Total Materials &amp; Supply</b>	<b>55 \$</b>		
Labor for cleaning	166 \$		
Labor for simple maintenance	16 \$		
<b>Total labor</b>	<b>182 \$</b>		
<b>TOTAL</b>	<b>237 \$</b>		

# Resource Mapping within School community

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# Management of O&M – take home message

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- O&M is essential but totally under-rated!
- Cleaning and Maintenance is at least of same importance as innovation and new construction
- Transparent assignment or areas of supervision / responsibility is of utmost importance



# Thank you

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