



Exposure though unintentional use is high (SaniPath)

Health is the underlying purpose of sanitation – but actual health risk play a small role in planning.

Burden of disease indicate far higher health gains from safe management of the sanitation chain

Real and perceived health risks are a barrier to scaling Safe RRR



SANITATION SAFETY PLANNING

MANUAL FOR SAFE USE AND DISPOSAL OF WASTEWATER, GREYWATER AND EXCRETA

Health risk affect the most vulnerable.
SSP promotes equity.





What is Sanitation Safety Planning?

 SSP is a step-by-step health risk based approach for managing monitoring and improving sanitation systems

 SSP also assists to implement the 2006 WHO Guidelines for Safe Use of Wastewater, Excreta and Greywater







Who is SSP for?

- health authorities and regulators
- local authorities
- sanitation enterprises and farmers
- wastewater utility managers
- community based organizations, farmers associations and NGOs











Output: Who's involved?

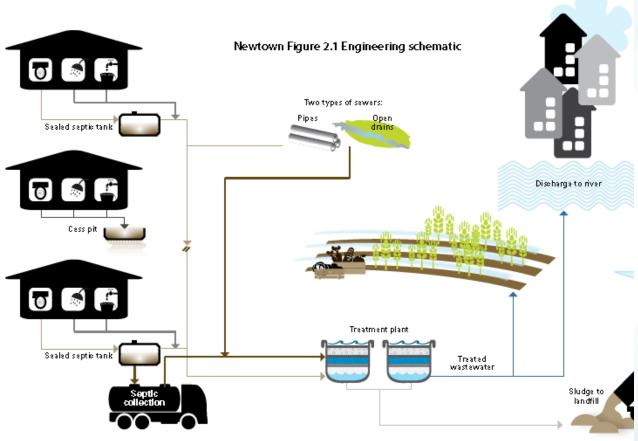
SSP team representing the sanitation

Representatives of	Main role in SSP Team	
Sanitation system operator — Senior Manager	Team leader	
Sanitation system operator — Operational Manager	Sewage collection treatment plant process and data management	
Vacuum tanker operators	Faecal sludge collection and disposal	
Farmers' Cooperative	Hazard management of in-farm practices and produce handling to farm gate	
Regional Health Department Officer	Public health/food hygiene	
Public health/food hygiene	Expert input into the risk assessment	
Epidemiologist — Sanitola School of Public Health	Education/communication	
NGO working with farmers and local communities	Implications on local water supplies	
Water system operator	Implications on local water supplies	





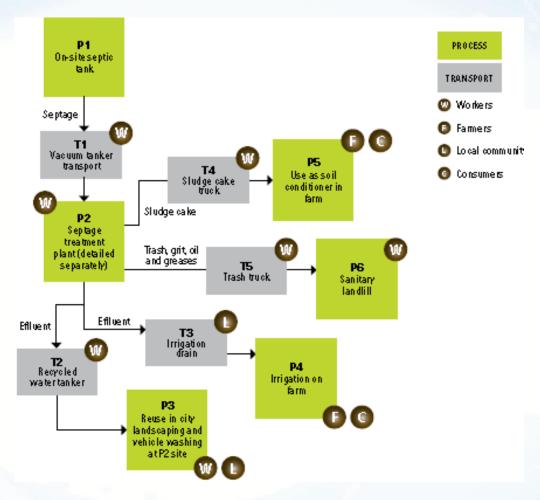
Output: What is the system? Who is at risk?



Faecal Sludge management system, Philippines





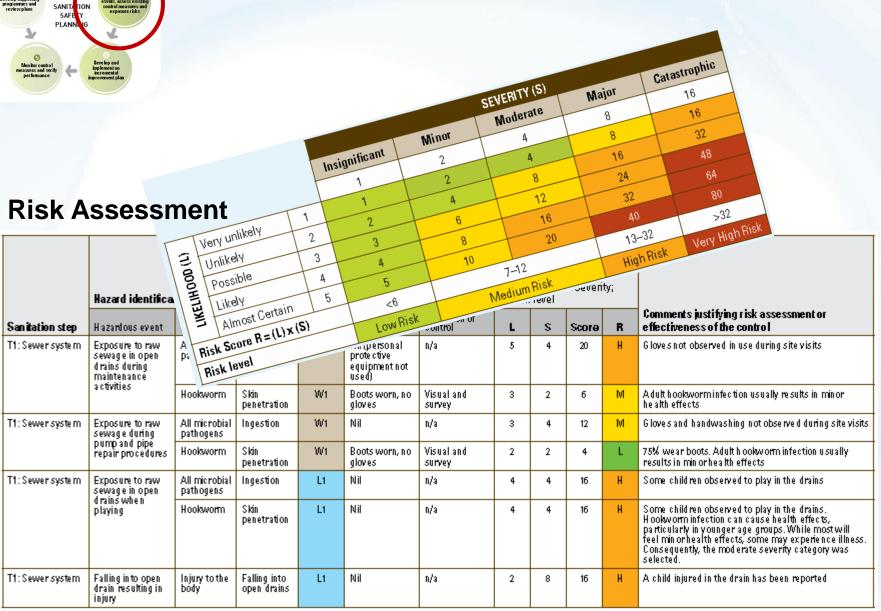


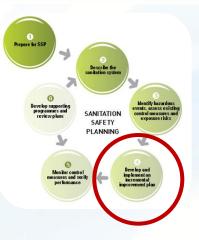
Faecal Sludge management system, Philippines





Output: How significant is the risk?





Output: What needs to be improved?

Prioritized, risk based improvement plan with responsibilities and timelines

Sanitation step	Hazardous event	Improvement action(s)* (new/improved control measures)	Priority (high, medium, low)	Responsible agency/ person
T1 : Sewer system	Falling into open drains during flood periods	Programme in schools highlighting dangers of drains during flood periods. Accompanying children near drains during flood periods	High	Newtown Education Dept.
P4 : Farmer irrigation and produce production	Spray irrigation resulting in exposure to irrigation water	Improved spray irrigation techniques — use low throw, micro sprinklers, part circle sprinklers	High — immediate term implementation	Farmer cooperative
	Exposure to raw sewage in irrigation water or in-field farming practices causes illness	Partial treatment: Reinstate maturation pond as part of normal process train	High — immediate term implementation	Sewerage Board – Manager





Output: Is the system operating as planned?

What to monitor, a limit and what to do if the limit is exceeded.

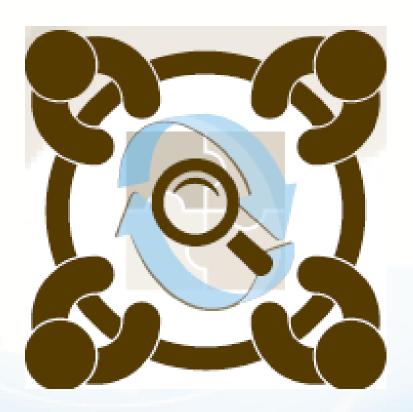
Operational monitoring plan for: Personal protective equipment use by farmers					
Operational limits (see note below)	Operational monitoring of the control measure/control measure:				
80% of the farmers use standardized labour protection when exposed to wastewater	What is monitored	Frequency of labour protection used by the farmers			
	How it is monitored	Observation, survey			
	Where it is monitored	Newtown's farming area			
	Who monitors it	Farmers' Association, local health centre			
	When it is monitored	Once perweek			



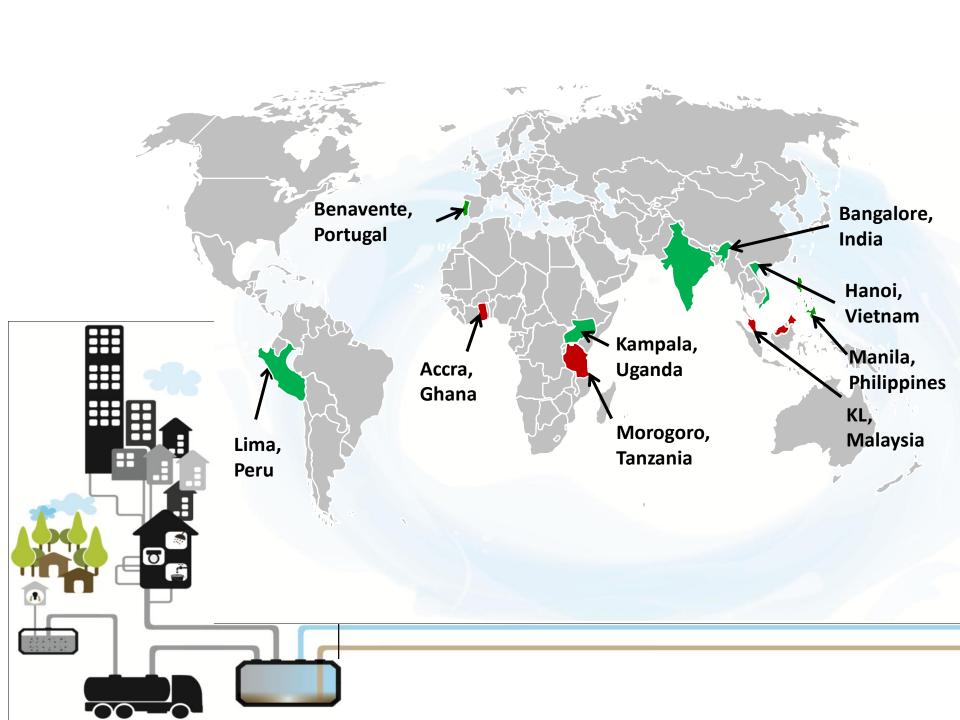


Output: What's changed?

Regular review, supporting programmes



















What's next? Scaling



- SSP training planned in Aug 2016 in India
- Use it
- Adapt it
- Tell us about your experiences

What's next? Scaling

- Direct support to get users started
- Provided by WHO with technical partners



What's next? Scaling

Intensive work with a few countries to:

- Implement SSP
- Address policy barriers

Countries selection based on global situation assessment





