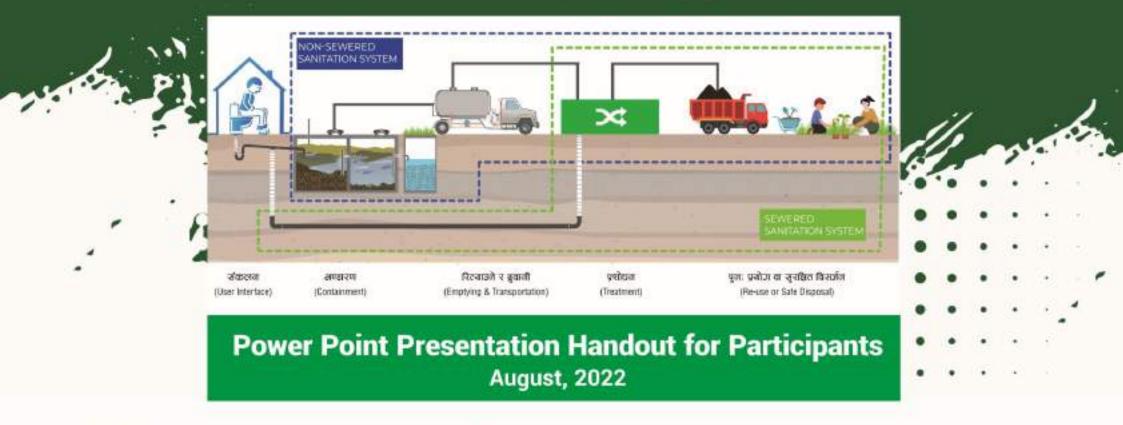
Citywide Inclusive Sanitation Scaling and Sanitation Innovation Training on 'Introduction to Citywide Inclusive Sanitation Approach'







BILL& MELINDA GATES foundation

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#### Introduction

This document, power point presentation Handout for participants, is a supporting document for the participants while conducting the "Introduction to Citywide Inclusive Sanitation Approach" training. This is a compilation of all the slides to be presented in the training along with the space to take notes on particular slide.

## Objective

The main objective of the document is to serve the participants as a notebook along with the reference for participants on the slide being presented. To this, it also guide participant on what is being presented and how.

#### How to Use?

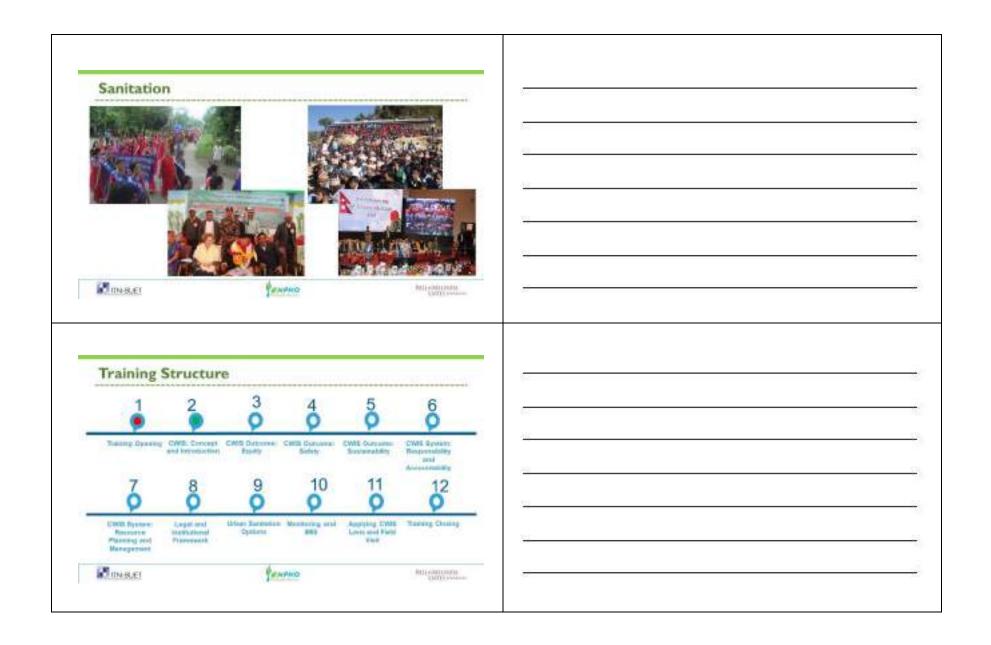
The document consist of slides from all session along with the space to take notes on each slide. A space for taking notes is allocated adjacent to each slide so the participants can note any key points as the trainer or presenter describes the content of the slide.

## Disclaimer

**Material and Learning Application:** This material is prepared by Environment and Public Health Organization (ENPHO) with the support of CWISAN Thematic group for Training Material Development and is to be used for training purposes only. Some of the case scenarios presented in the training are for the practice on the topic only and are completely imaginary to meet the objectives and do not bear responsibility for any resembles with any cases in real.

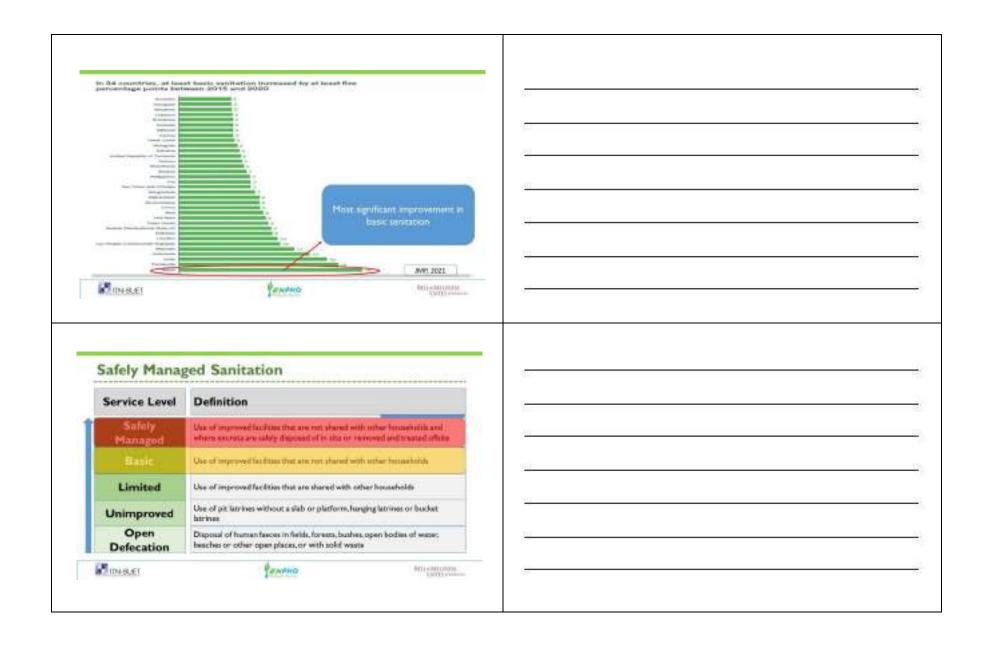
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CWIS- Concept and Introduction	
Training on Introduction of Citywide Inclusive Sanitation Approach	
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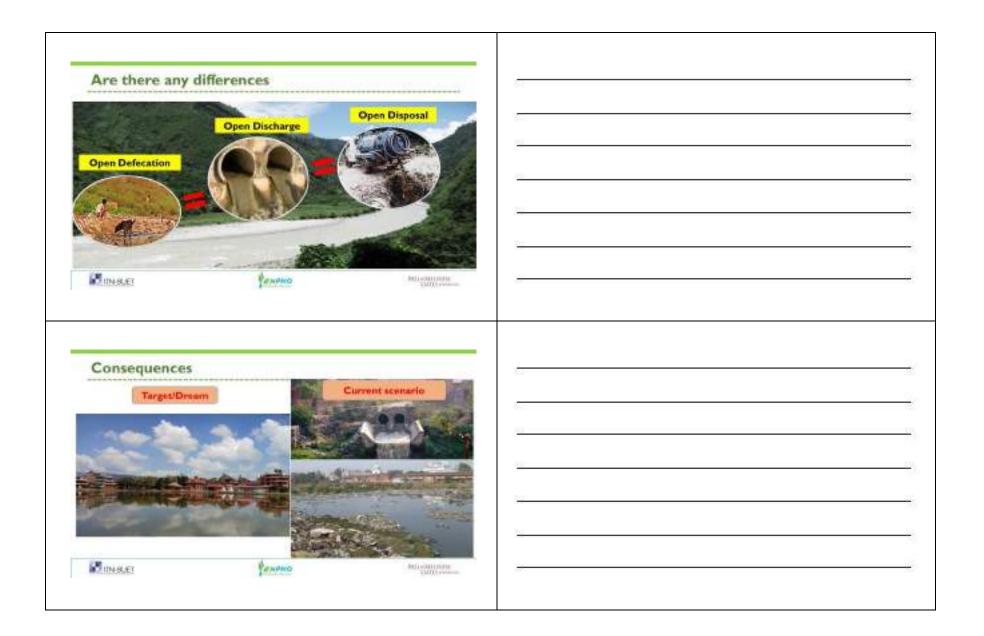


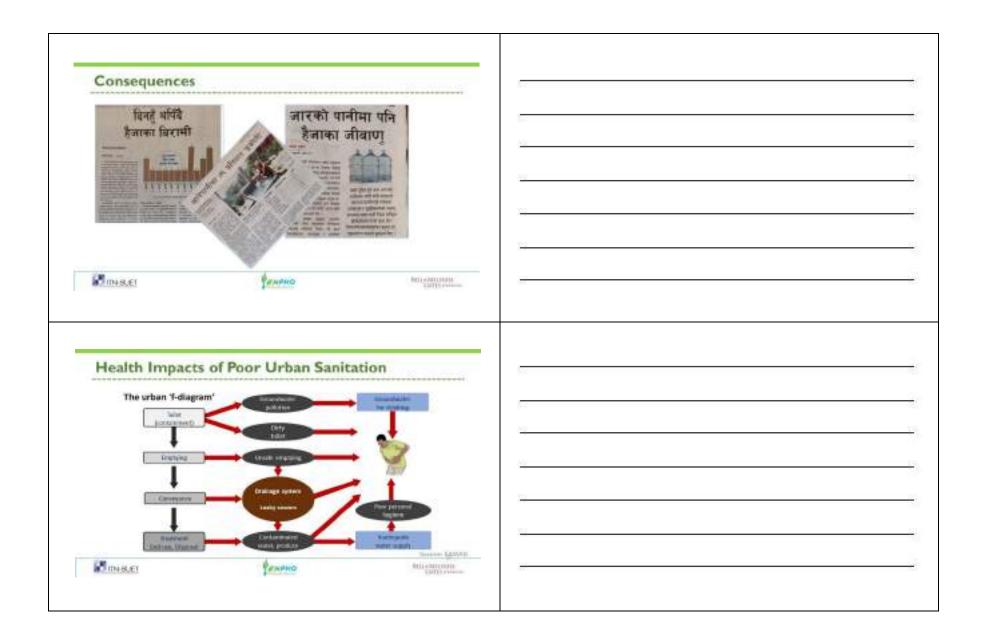
Learning Outcomes			
Discuss on sanitation movement in Nepal.			
Describe the Citywide Inclusive Sanitation Approach (principles and framework).		7-2	
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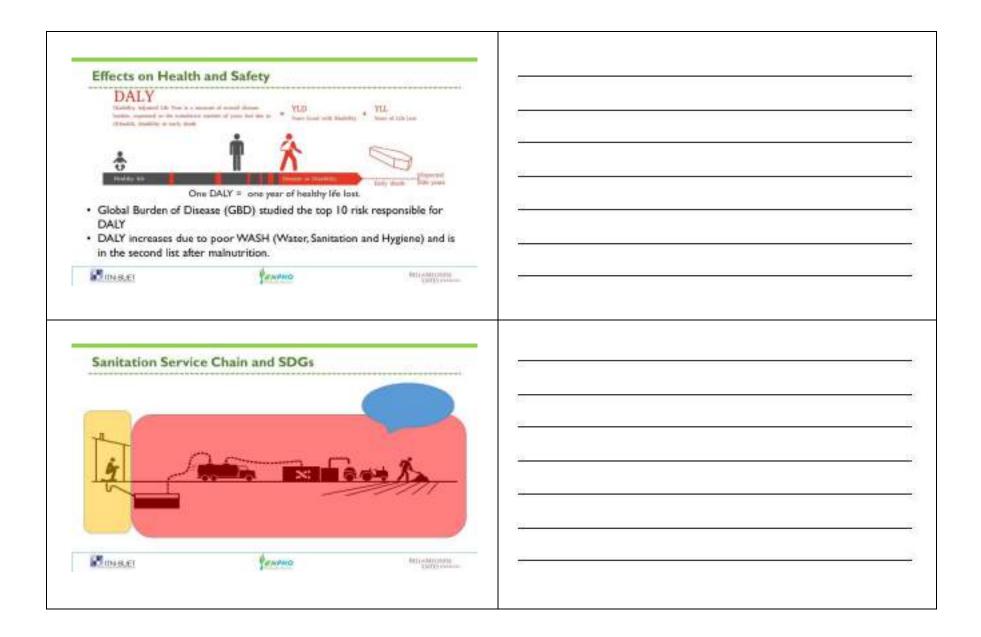










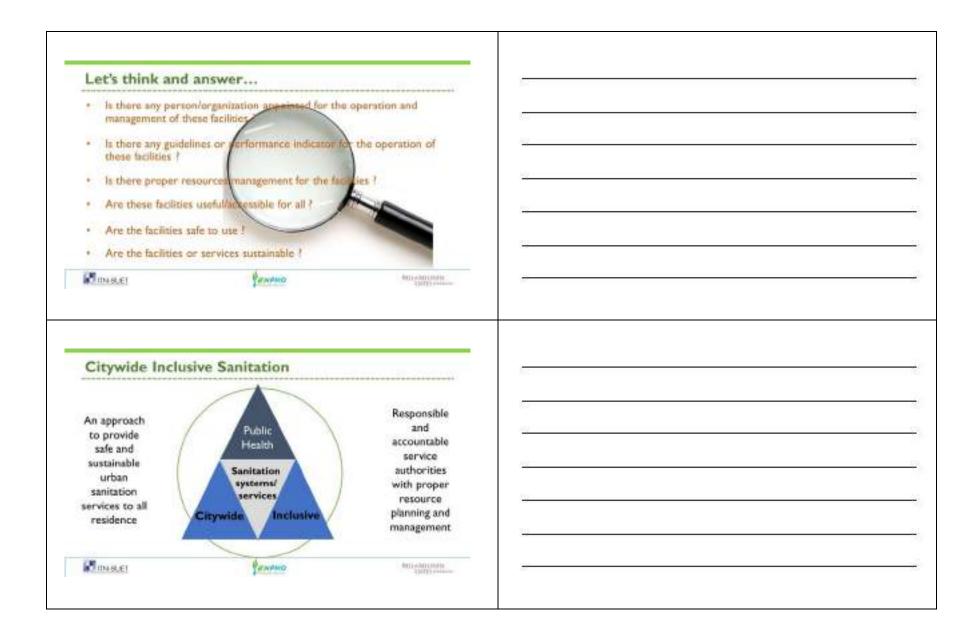


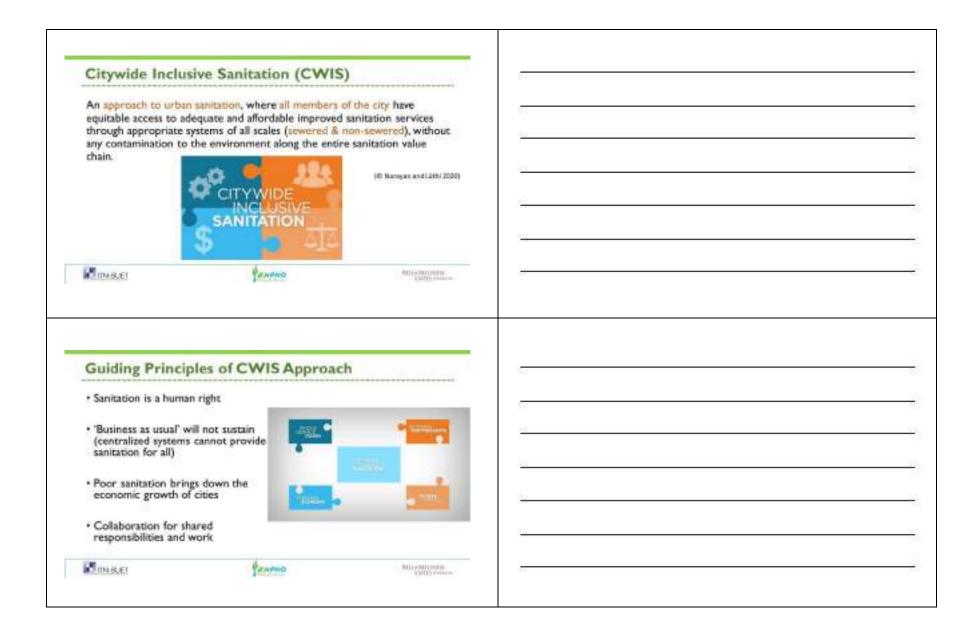
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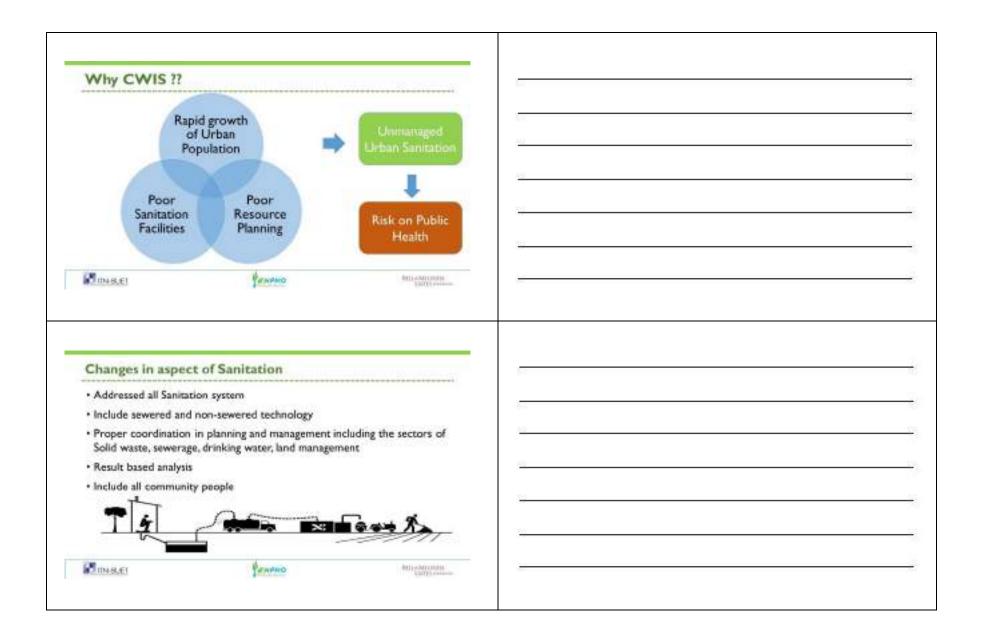




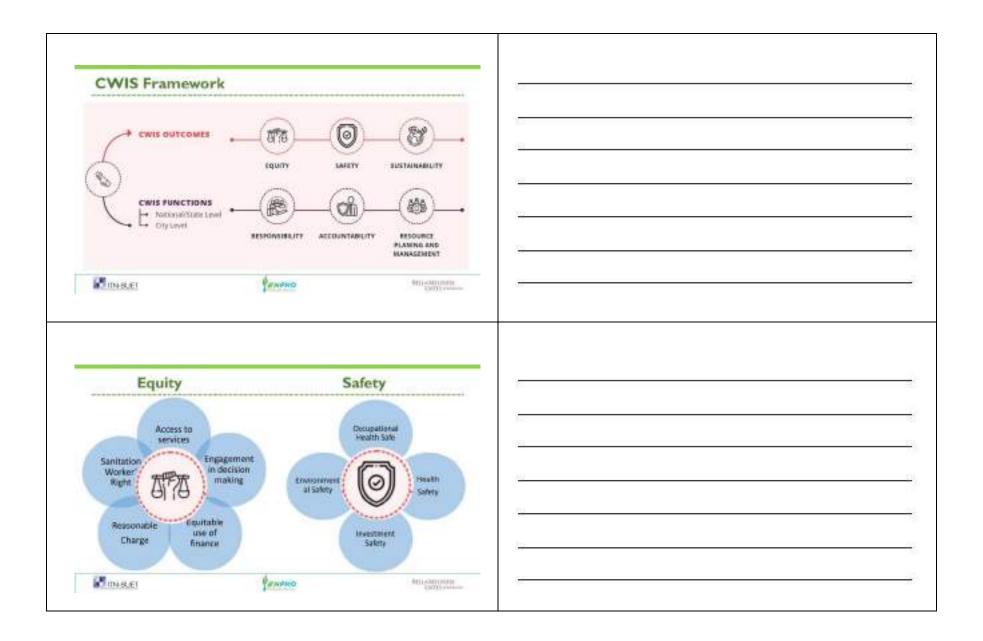
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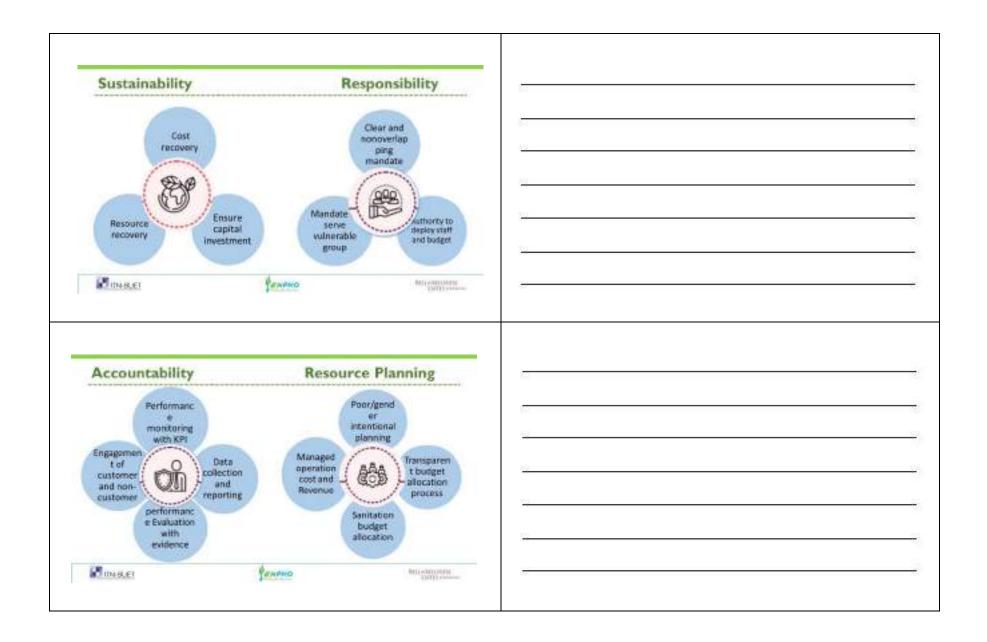


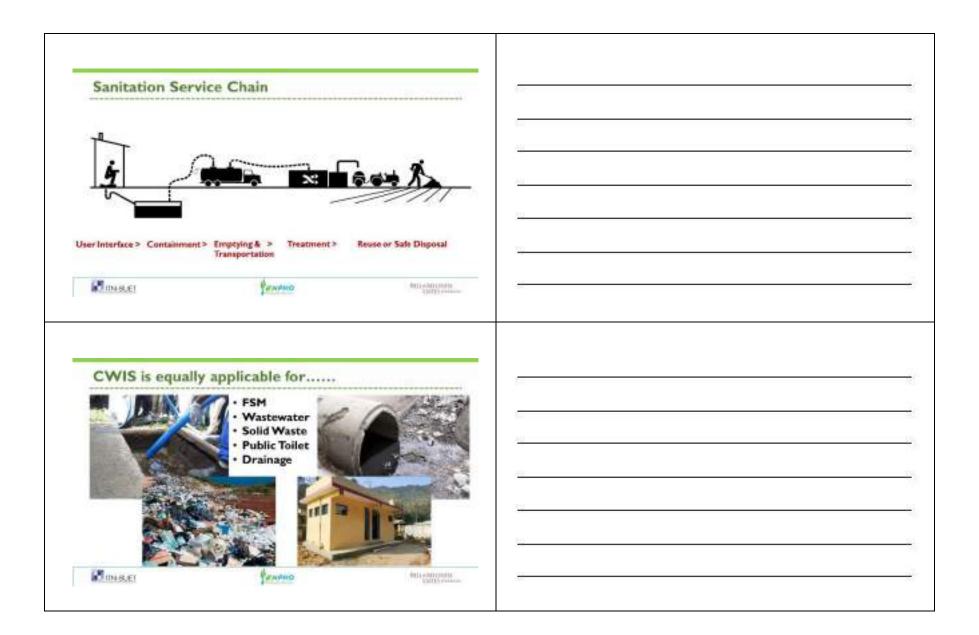












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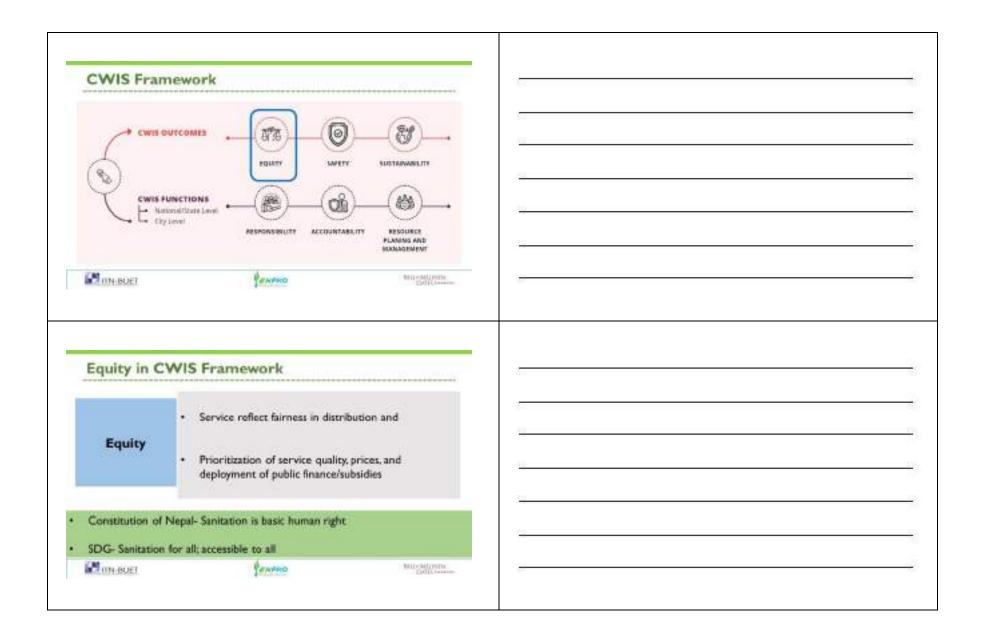
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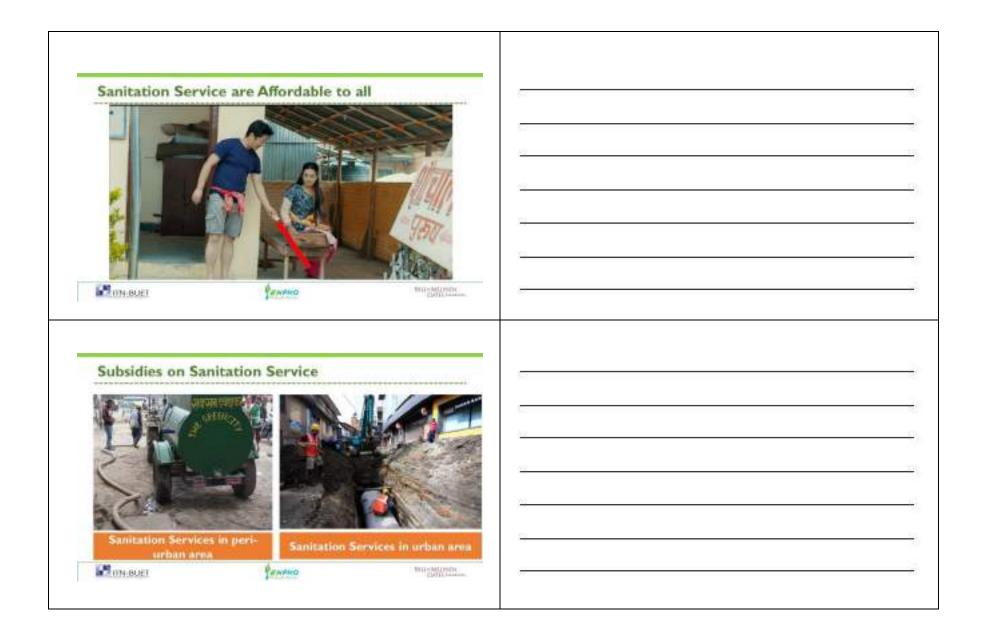
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Describe h	ow equity ca	n be ensured	d in sanitation	i service pro	vision.

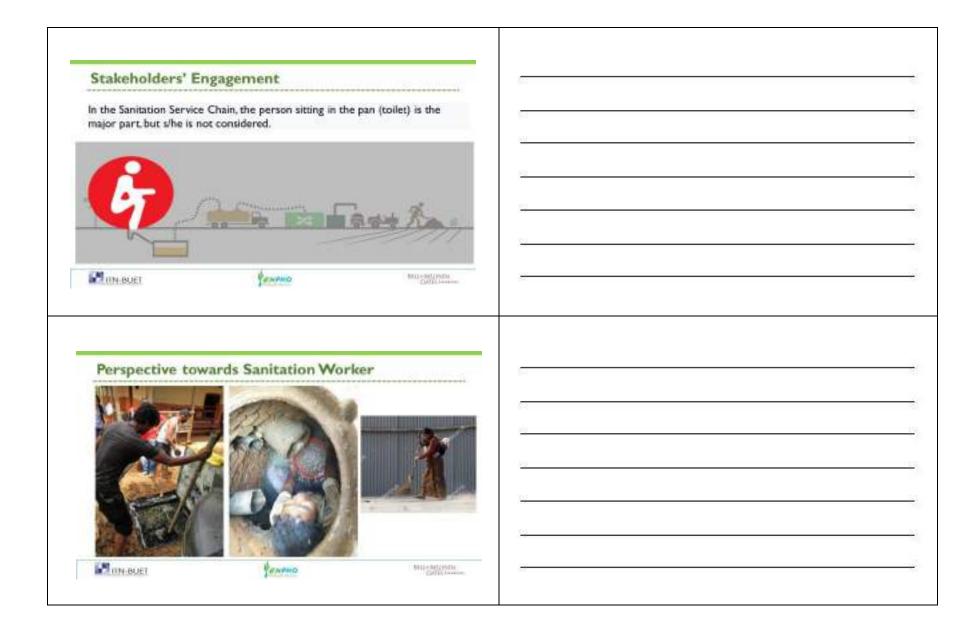
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Equity, Equality and Just	stice		10. 10.	
Equity in CWIS frame	ework		456	
Access to sanitation s	ervices		<u>45</u>	
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222 Equality	Equity Provide services as per the	Justice Services access to all without		
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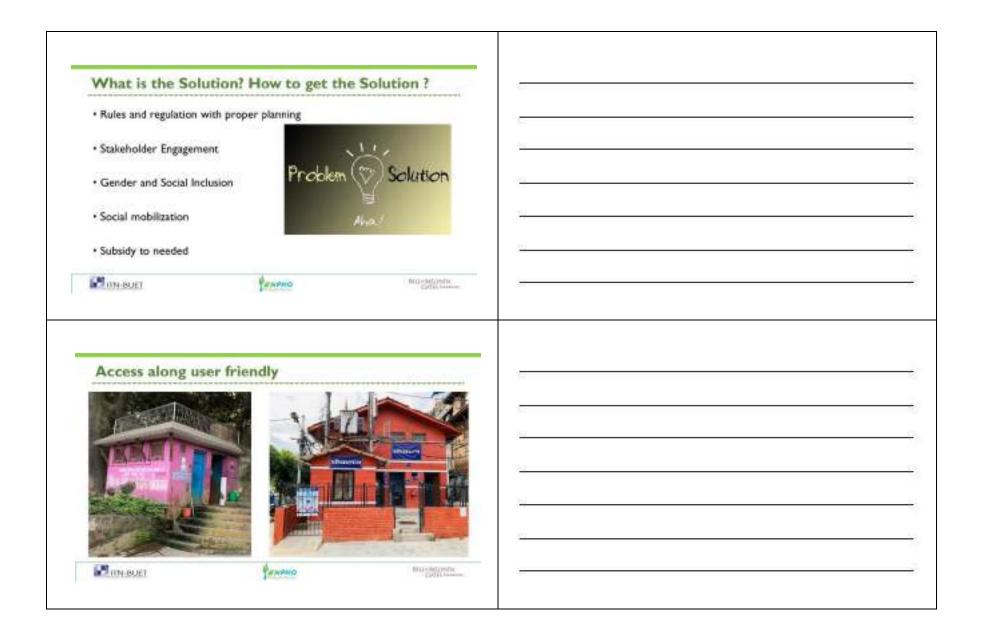
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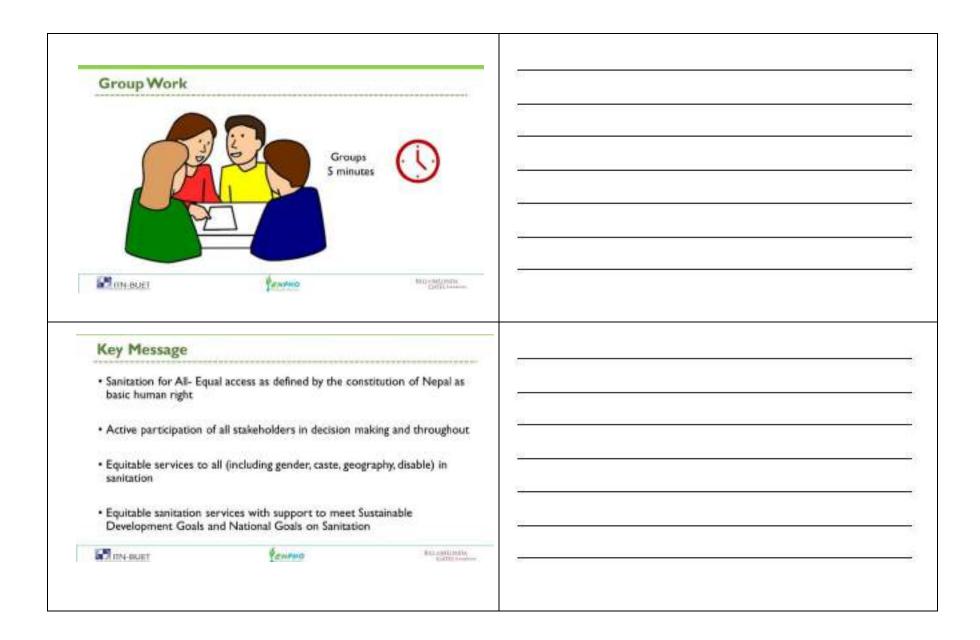


Social Inclusion				
situation analysis, and m	y and social inclusion in our servinust have positive attitude and w	llingness to do.		
Social Mobiliza	tion			
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Local Government	Some Examples related to P	Incolog		
Local Government	Some Examples related to P	tanning	<u> </u>	
larayan Municipality, Dailekh	Establish Breast feeding room		414	
iklaphata Municipality,Ward no. 8, Kanchanpur	Declaration of equal wages to male an same work	d female for	12	
mauti Municipality, Kavre	Declaration of equal wages to male an same work, Declaration to provide allo unmarried female	d female fo <del>r</del> owance for		
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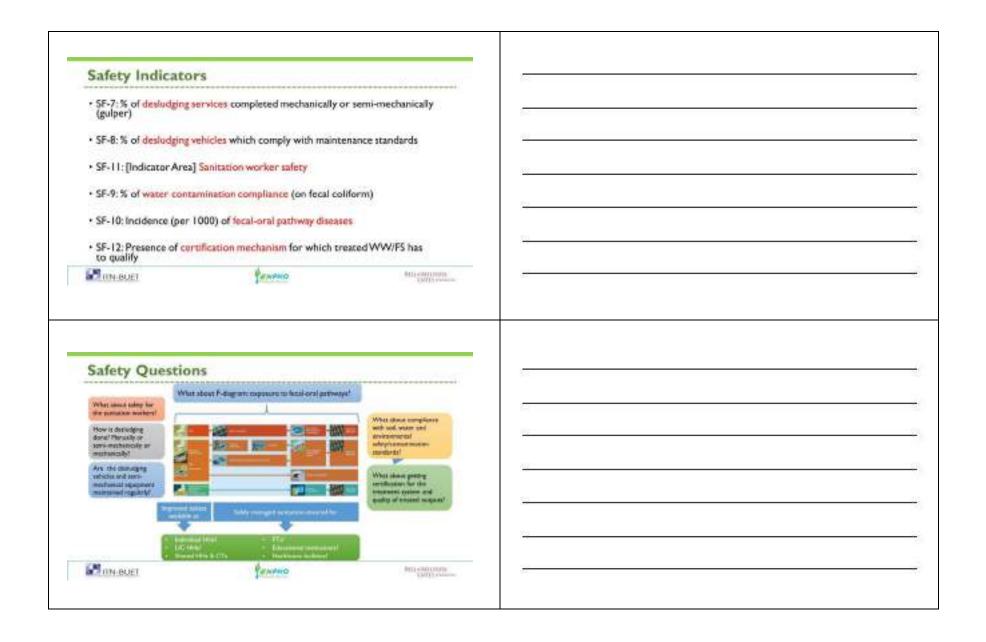
Session 4: CWIS Outcome- Safety



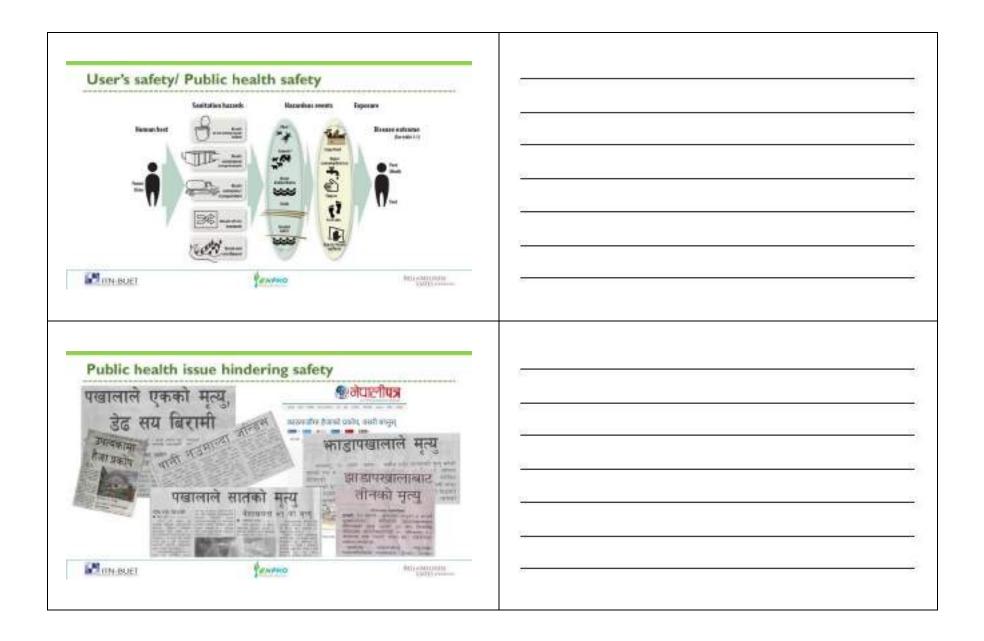
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Discuss the CWIS service outcome 'safety' along with issues related to safety

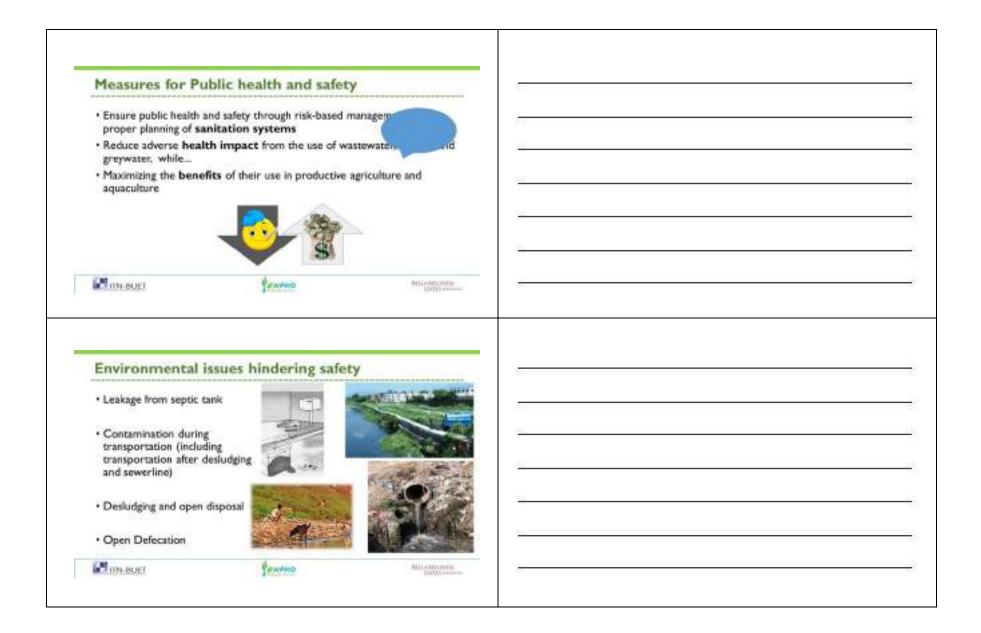
Presentation O	utline		<i>V</i> -:	
Concept and Measure	ement Indicators of CWIS co	omponent- safety	873 -	
Public Health and Saf	есу		<u>459</u>	
Environmental Safety			1 <u>57</u>	
Financial Safety			<u>19</u>	
Occupational Health	and Safety (OHS) for Sanitat	ion Workers	<u>19</u>	
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Safety			89	
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• Residents and cit	y users have access to adequat	e tollet facilities	<u>19</u>	
	d waste services are managed mmental outcomes	to protect public	4 <u>53</u>	
+ Waste disposal a	nd treatment facilities are suffic	tient and operational	<u>10</u>	
			32	
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Safety Indicato	rs		6	
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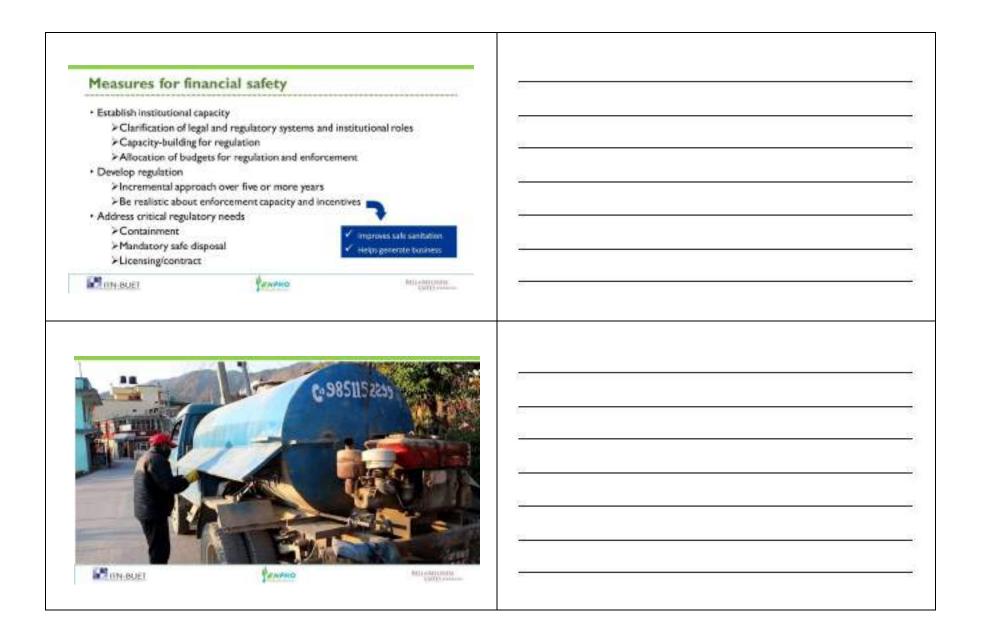




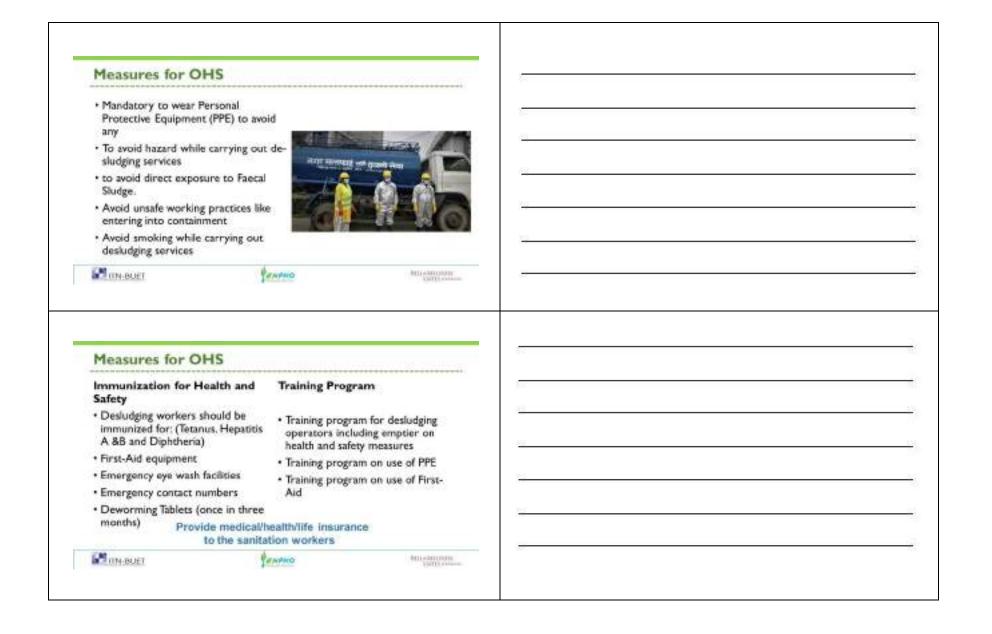


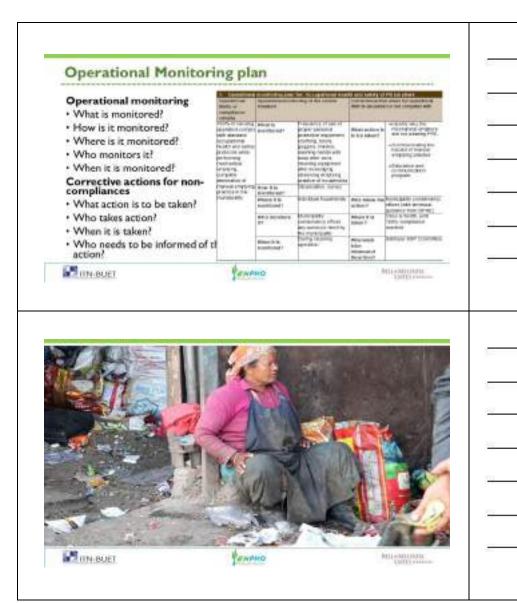


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Minimize potential	contamination of water resource	ces	· · · · · · · · · · · · · · · · · · ·	
· Prevent the leakage	of raw sewage		0.5	
<ul> <li>Maintenance of sew</li> </ul>	er line to prevent the blockage		1 <u>52</u>	
Construction of pro	oper septic tank		1 <u>22</u>	
· Proper and safe trai	A 1936 A 276 I G I D 276 I R			
· Safe disposal into tr			<u>19</u>	
	tification of effluent and by-pro	ducts		
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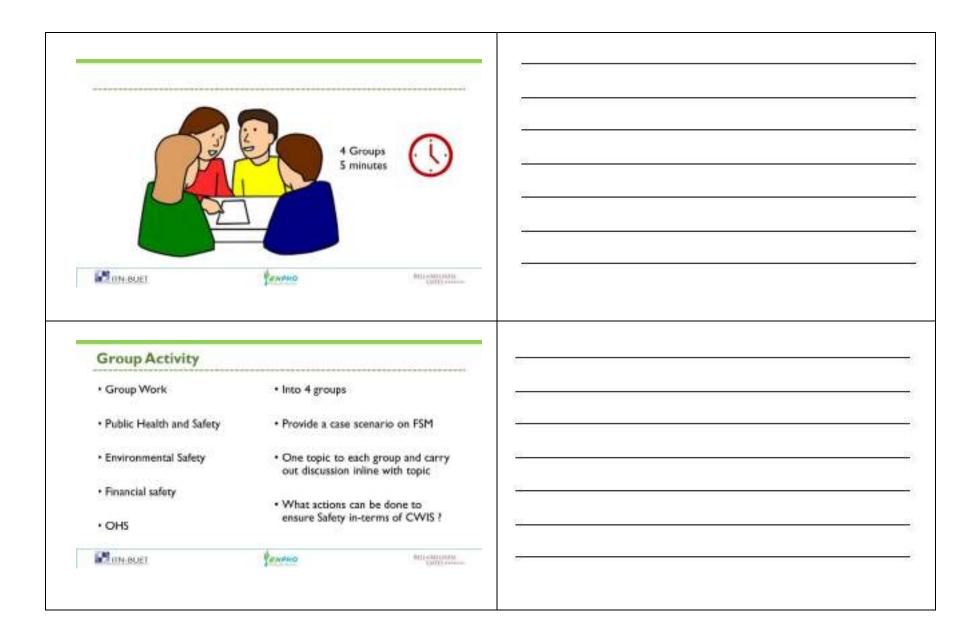


	Chemical hazards		85 5	
<ul> <li>Collapse of the septic tank/pit wall</li> <li>Slips, trips, and falls</li> <li>Exposure to sharp objects contained in sludge (glass, metal, blade, etc.)</li> </ul>	<ul> <li>Suffocation from harmful gases from septic tank (methane, ammonia, sulfur dioxide, carbon dioxide, etc.)</li> <li>Fine</li> </ul>	0	59 59 59 79 79	
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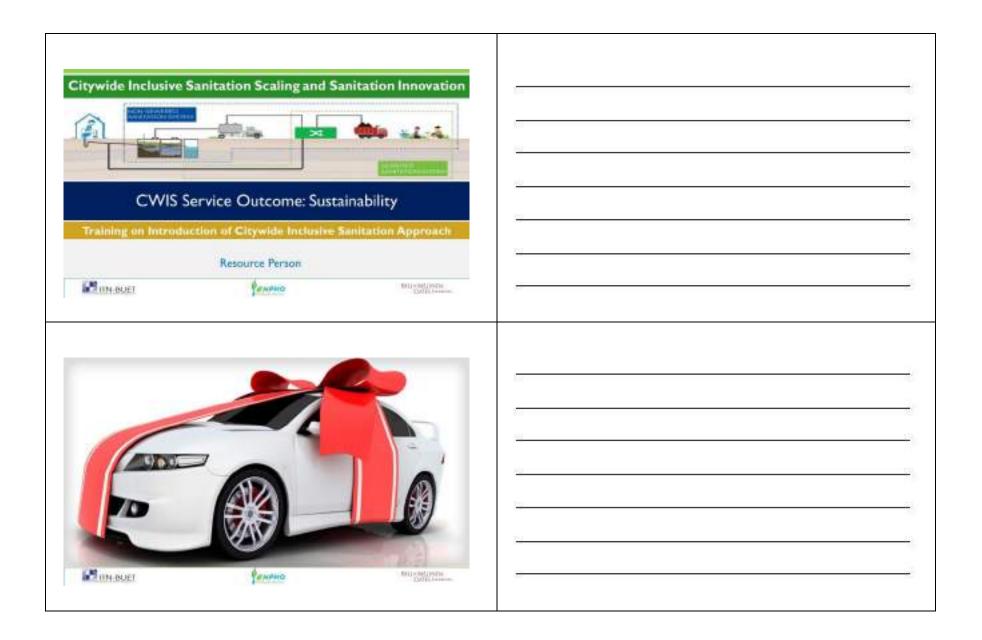






Key Messages				
<ul> <li>Safety: Services safegu safety and health risks</li> </ul>	ard customers, workers and o s by reaching everyone with sa	ommunities from fe sanitation	62 	
Services ensure acces	s to toilet and safely managed	sanitation	62	
safety through environ	afety is the public health outco nmental safety financial safety of tional health and safety of all t	of investment in	7 <u>19</u> 7 <u>19</u>	
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Session 5: CWIS Service Outcome- Sustainability



Presentation C	Dutline		8-2	
Present scenario of	sanitation services/facilities		8-1	
Reasons behind the	unsustainable sanitation service	s/facilities	<u>Na</u>	
<ul> <li>Interventions for su</li> </ul>	stainable sanitation service			
Key messages			No.	
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Some more examples of sanitation services	
Some more examples of sanitation services	
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Safe Sanitation Service				$\smile$	457		
Responsible Stakeholders	System Functions		ACCOUNTABL	RESOURCE PLANNING & MANAGEMENT	h <u>ir</u>		 
Accountable Stakeholders				Manager 1990	<u>100</u>		
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Sustainability Services are reliably and o delivered based on effective management of human, financial and natur resources	continually			MULTINASSING STATES			

• Equitable Sanitation Service			8	
Safe Sanitation Service			62	
Responsible Stakeholders			12	
Accountable Stakeholders			500 (State	
Proper Resource Planning a	nd Management		30	
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Safe Sanitation Service for Sustain: • Easy and Comfortable PPEs			
Safe Environment			
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Public Health-Centered		¥15	
Regular operation and maintenance			
Appropriate sanitation service model	07 07	<u>19</u>	
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Responsible Stakeholders for Susta • National and Province Level Policy and Guideline	2		
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Responsible Stakeholders for Susta • National and Province Level Policy and Guideline • Municipal Policy and By-laws Formulation	JOB		
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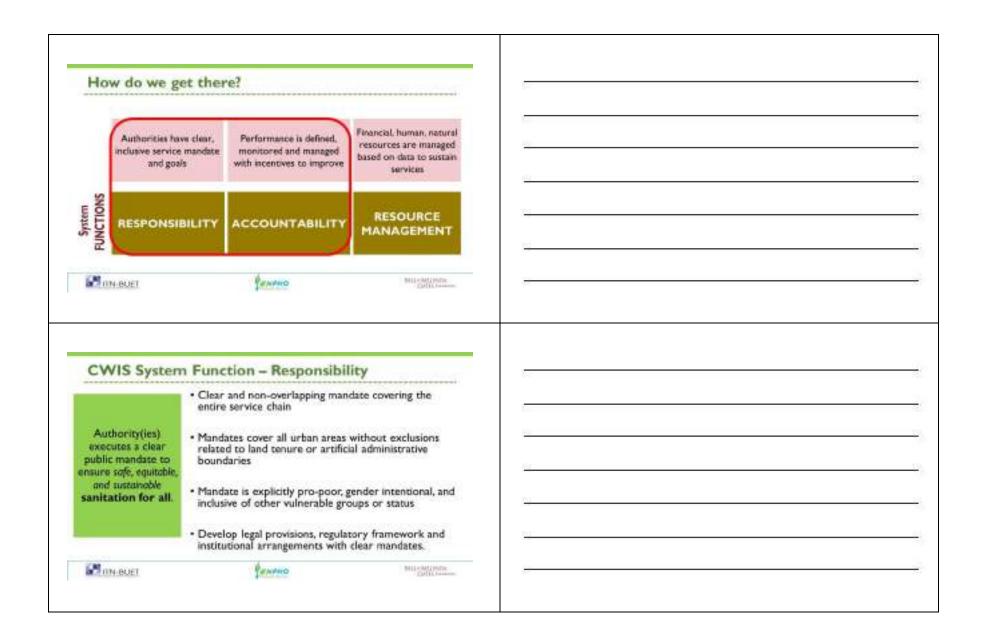
Key Messages			82	
<ul> <li>Initiation of sanitatic more crucial.</li> </ul>	on service/facility is important, b	ut its sustainability is	62	
sanitation service su accept the treatment	reasons behind the failure or di uch as lack of ownership, not use at technology or FS products, to these points should be consider	er friendly, hard to o low- or high-class	<u>19</u>	
<ul> <li>For sustainable sanit components of CW</li> </ul>	tation services, key intervention /IS Framework are essential.	s under other	32	

Session 6: CWIS System Functions- Responsibility and Accountability

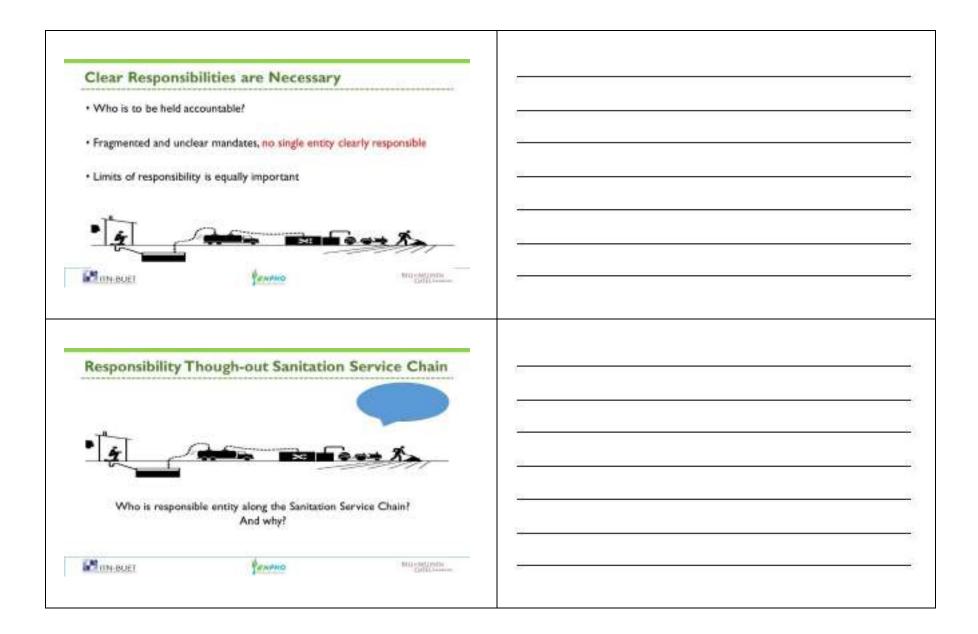
Citywide Inclusive	Sanitation Scaling and S	anitation Innovation		40
			6	
CWIS Sys	tem Function – Respo Accountability	nsibility and	<u>Air</u>	
Training on Introd	uction of Citywide Inclusive	Sanitation Approach		 
	Resource Person		19	 
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<ul> <li>When your toilet ( clogged, what do yo</li> </ul>	in your house) is ou do? Why?		45	 
When a man-hole of what do you do? W	or a drain is clogged.		<u></u>	 
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raining	Structure	e			
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• Describe or	the CWIS s	system funct	ion 'Respons	ibility' and 'A	ccountability'
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<ul> <li>Describe or along the sa</li> <li>Identify Key</li> </ul>	the CWIS s nitation serv Stakeholder context	system funct rice chain rs for the Re	sponsibility a	nd Accounta	bility in

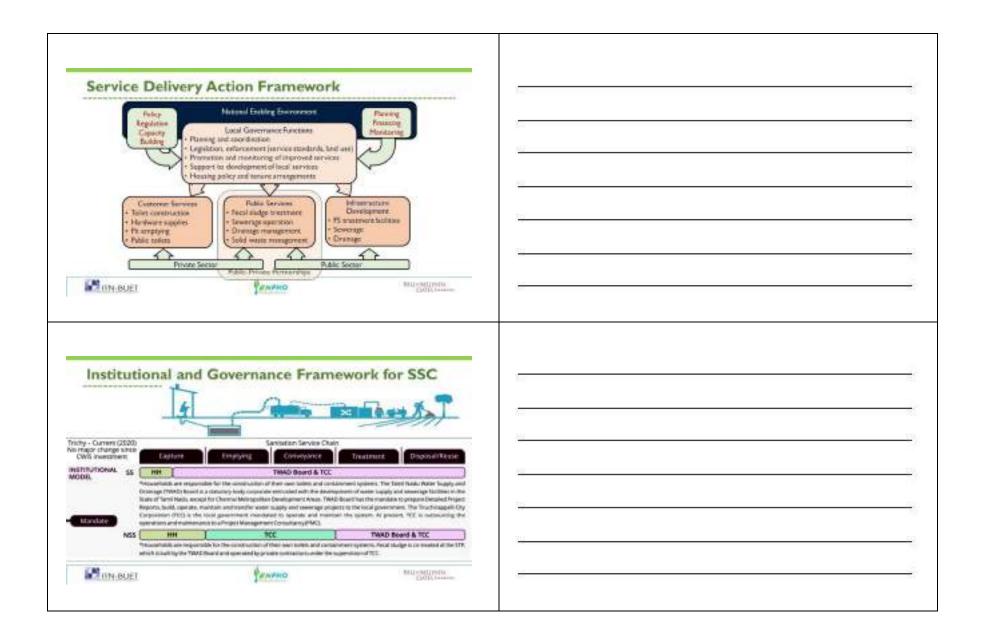
Pres	sentation Outlin	e		82		
Und	lerstanding Responsibilit	y and Accountability– (	Concept	82		
Resp	ponsibility and service d	elivery to the poor		13		
Resp Serv	ponsibility and Accounta vice Chain	bility of different entitie	es in the Sanitation	<u>152</u>		
Role	e of private sector			<u>19</u>		
How	w does responsibility rel	ate to accountability an	id resource planning	÷		
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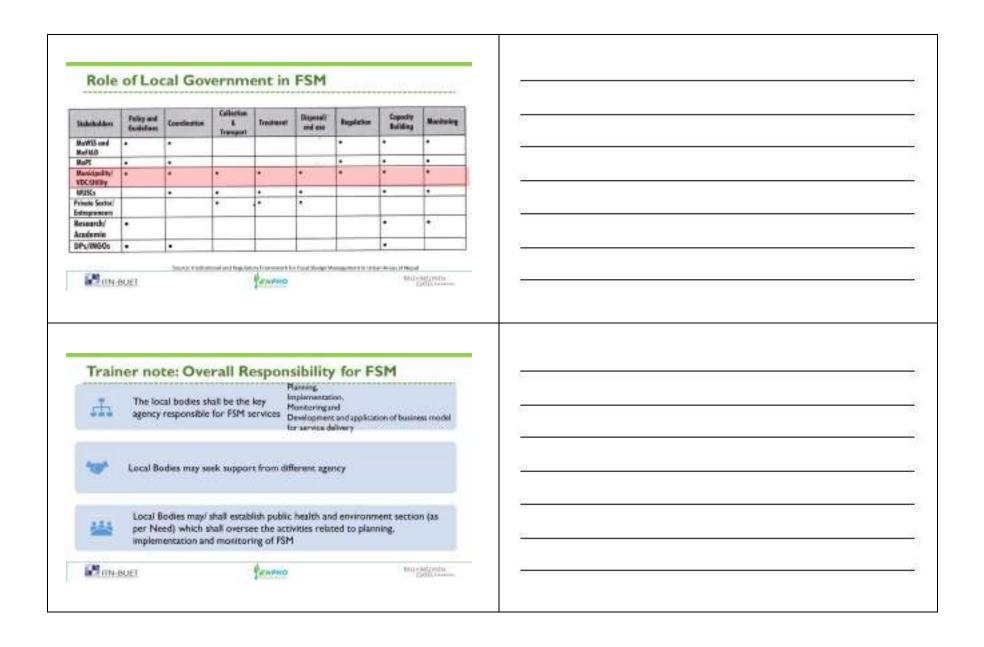


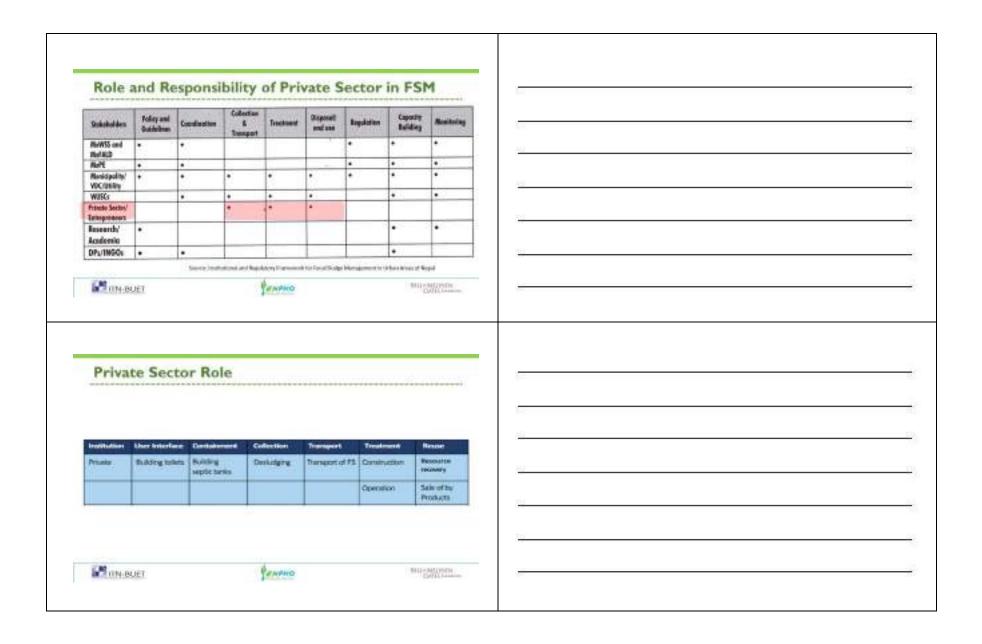
Responsionicy	and Serving the Poores	E	87	
The service jurisd	iction of mandates should be comple	ete and inclusive	x	
<ul> <li>Clear responsibilit level</li> </ul>	ties for serving the poorest begin at	the Constitutional	12	
• The definition of a	tity boundaries is key to inclusive ma	ndates		
<ul> <li>Responsibilities sh jurisdiction</li> </ul>	ould include all residents within the	authority's	15	
<ul> <li>Number of author challenges of sanit</li> </ul>	rities are proactively engaging to add ation service provision to informal s	ress the specific ettlements	<u>143</u>	
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CWIS Systen	Function – Responsibili     Mandated authorities are deliver		6-2	
CWIS System	******		892 0-2	
Authority(ies) executes a clear public mandate to	• Mandated authorities are deliver	ring inclusive		
Authority(ies) executes a clear	Mandated authorities are deliver services     Authorities deploy sufficient sta	ring inclusive aff and budget to te line item	8 8 A <u></u> A <u></u> A <u></u> A <u></u>	
Authority(ies) executes a clear public mandate to nsure sofe, equitable, and sustainable	<ul> <li>Mandated authorities are deliver services</li> <li>Authorities deploy sufficient state execute their mandate</li> <li>Sanitation budget is a separation independent of water, solid water</li> </ul>	ring inclusive aff and budget to te line item aste management,		

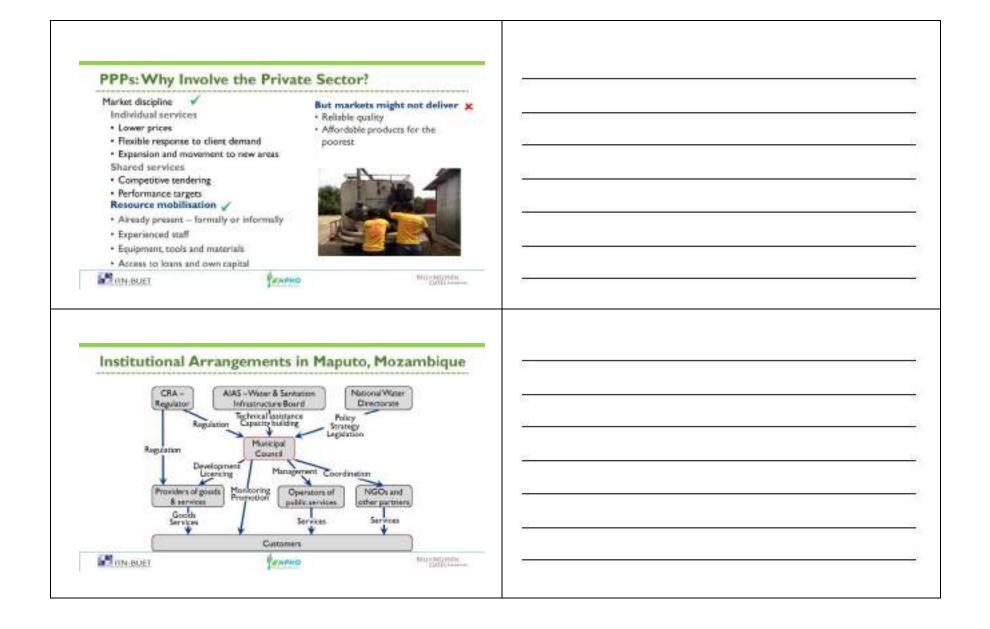


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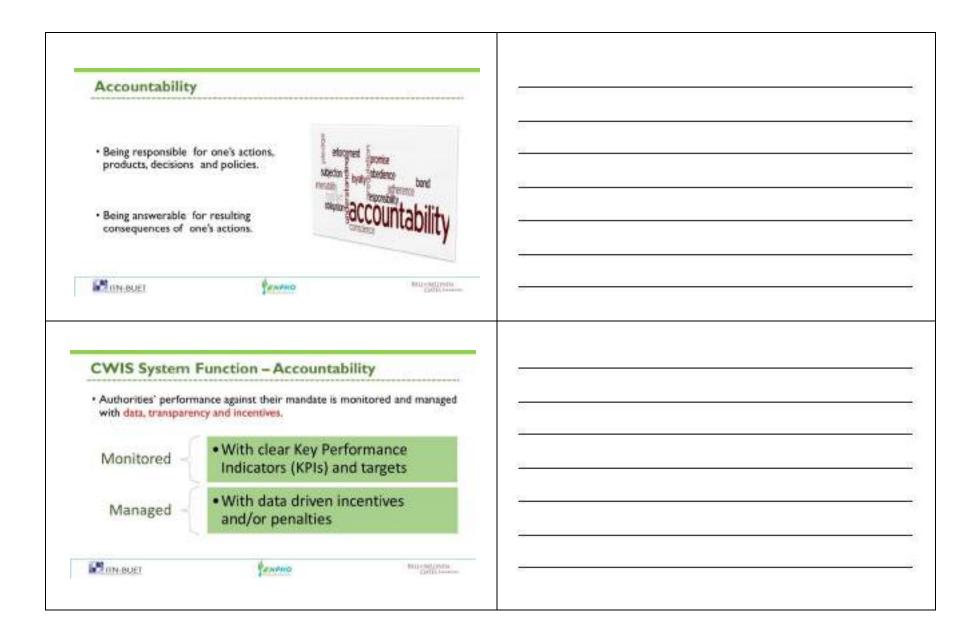






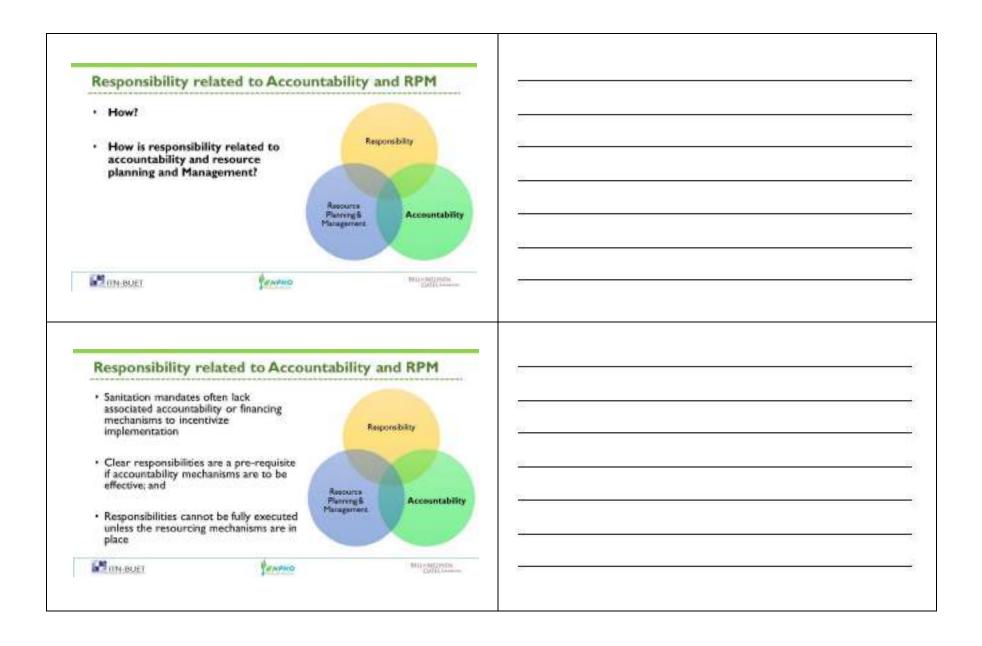


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Service Outcomes System	EQUITY Fairness' in distribution and prioritization of service quality, service	Human waste is safely managed to protect public gloods	Resources and revenues sustain performance RESOURCE PLANNING &	





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Group Exercise : Institutional and Governance Framework for SSC	
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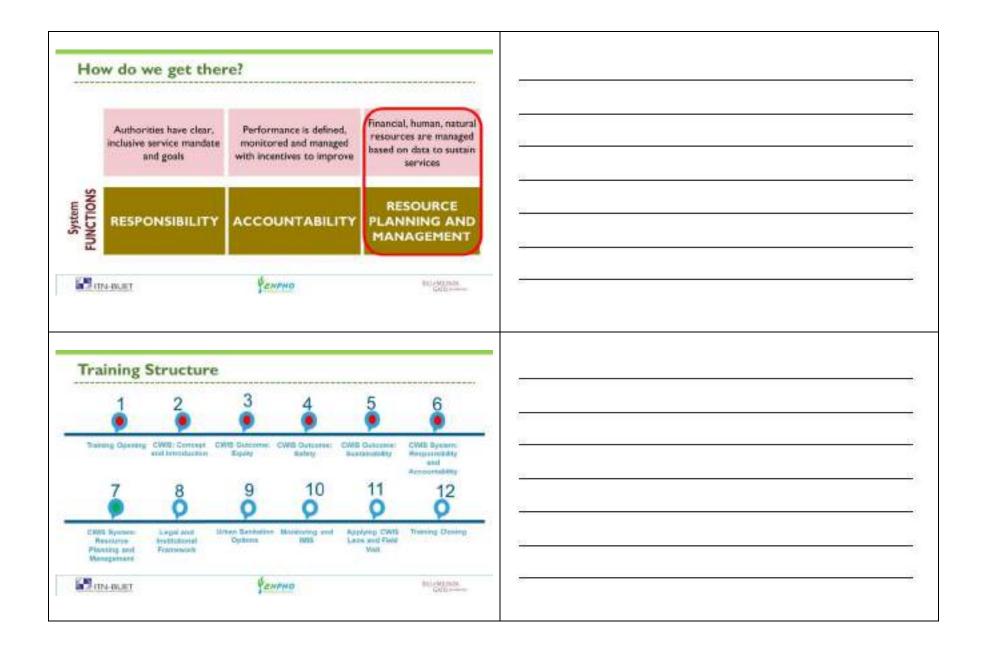


autonomy, local gove able to supplement t own-revenue genera		Responsibility	82 Mi	
<ul> <li>The resourcing gap baccountability</li> </ul>	nas implications for Resor Plant Marage	ngš Accountability	194 194	
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Key Messages			12	
Mandates must provid elements of the sanita	le clarity on who is responsible fo tion service chain.	r ensuring different	12	
Formal legal mandates	and actual practice must be align	ed.	<u>49</u>	
<ul> <li>Responsibilities for se where feasible.</li> </ul>	wered and non-sewered sanitatio	n should be integrated	<u>12</u>	
• The service jurisdictic	on of mandates must include infor	mal settlements.	<u>745</u>	
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Session 7: CWIS System Function- Resource Planning and Management



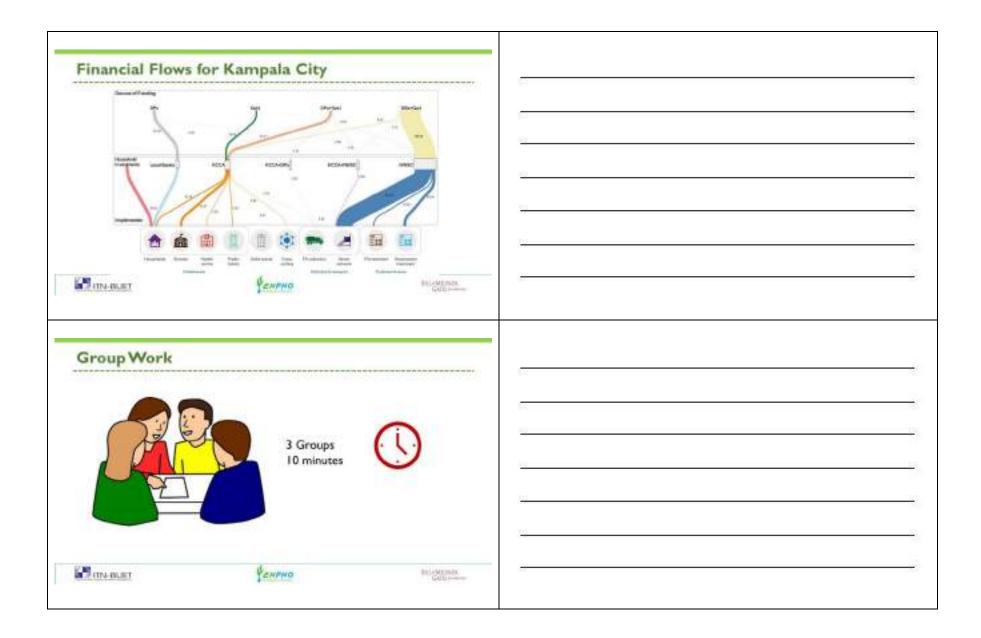


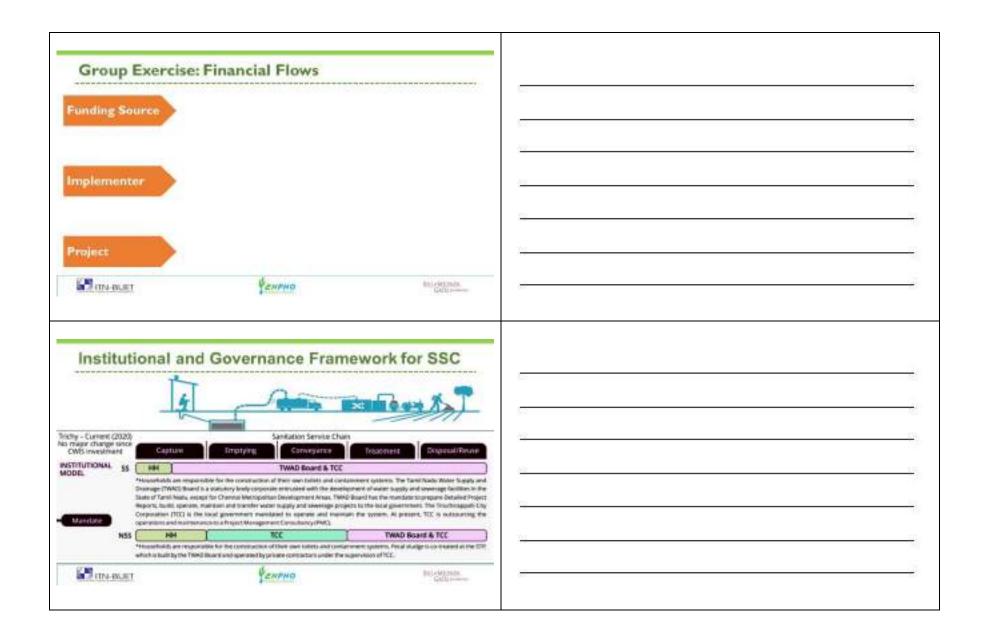
earning Outcor	nes		6	
Explain resource plann framework	ing and management along wit	h CWIS financial	~	 
Analyze the financial fk	ows of municipality and identif	y the gaps	19 19	
			<u>213</u>	 
ans-war	Уентна	Rickinsk Gui		
Presentation Ou	tline		~	
Resource Planning and	Management			
Financing framework d	levelopment		0 552	
Components of CWIS	financing framework			
Financing flows of mur	nicipality			
Financial flow through	out SSC and gap identification		92 705	 
Common Gaps and Iss	ues with Financing Framework	cs		

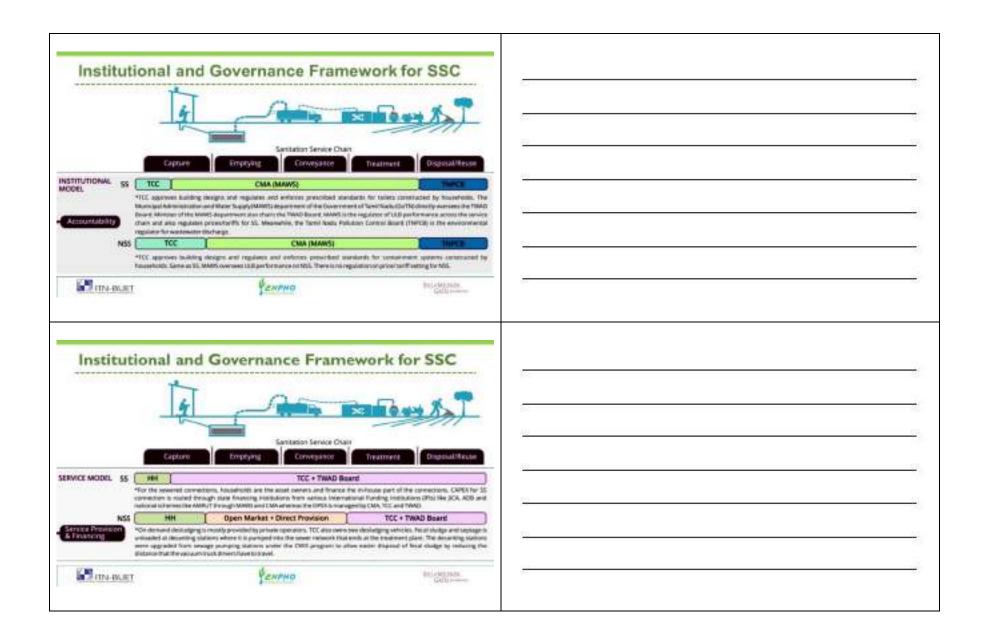
Resources Flannin	g and Managemen	t		
• Resources – human, n more.	atural, financial, equipmen	it, assets, facilities, and		
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Resource Manageme allocating resources effi out of them.	ent - A process of pre-pla ciently and effectively to	nning, scheduling, and get the best value	<u>19</u>	
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· Covers the identifying, all	g and Managemen	ling and monitoring of	637 	
	is and people) across time			
Require engagement of m	nultiple actors		¥2	
	prioritization processes she and engage relevant stakel		<u>142</u>	
documented, transparent				

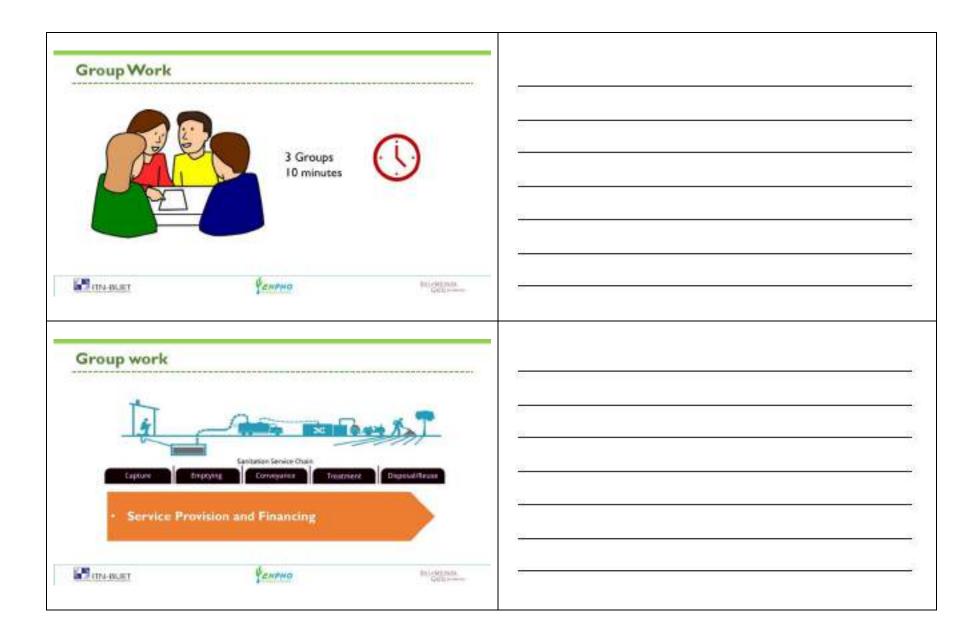


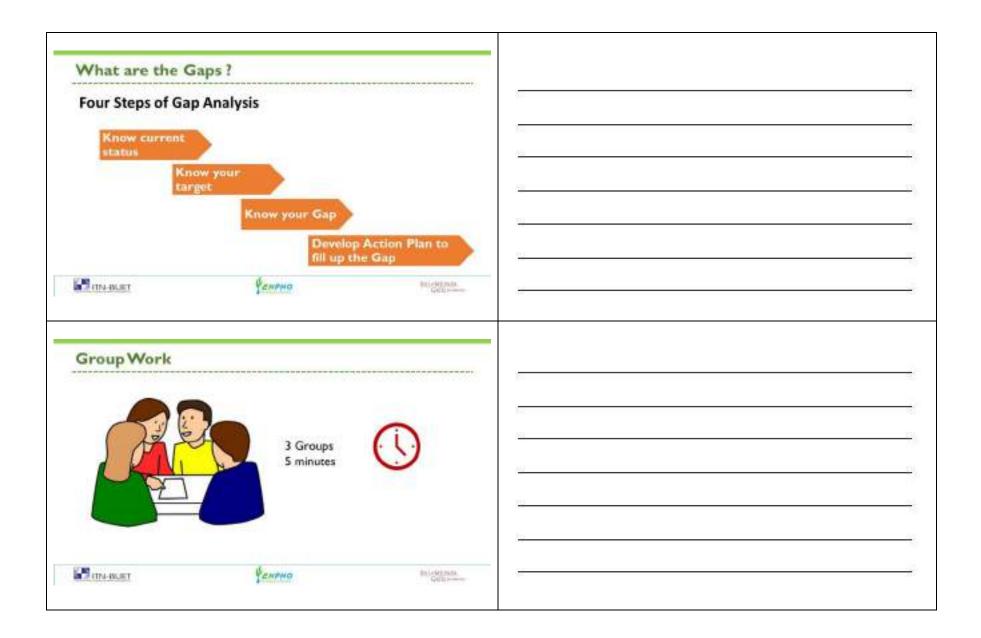
Components of	f CWIS financing fram	nework	**	
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of financial needs a	ents that support the assess and revenue sources, and st cation and flow of finance	sment and diagnosis rategic elements		-
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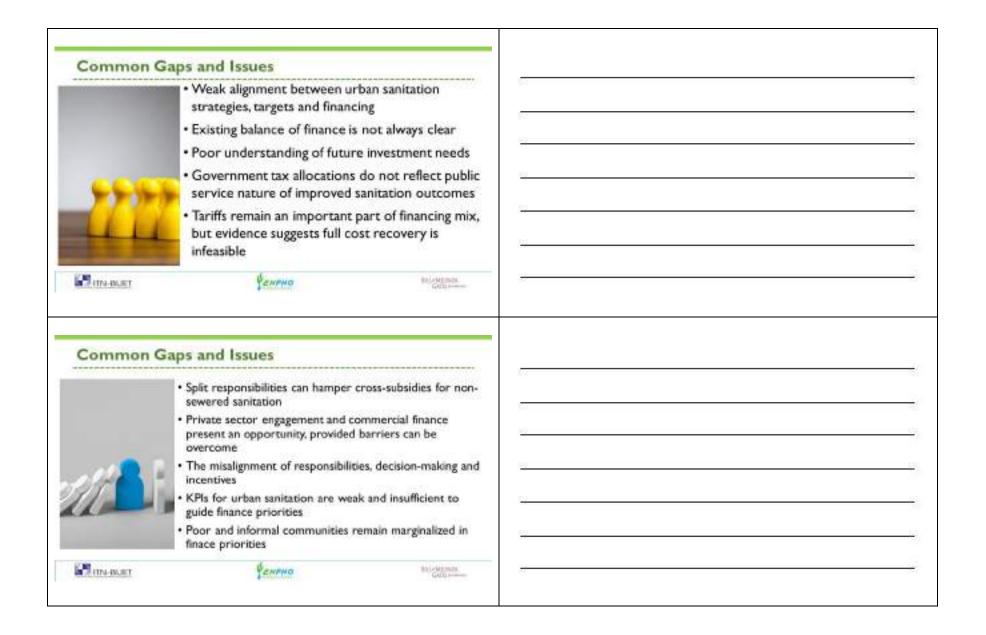












## **Key Messages**



- · Financing frameworks are key.
- Better understanding of the cost of CWIS is crucial
  - · Investments in software along with hard infrastructure
  - Affordability remains a constraint to a balanced funding mix and viable service delivery
  - Evidence based monitoring to improve performance, drive investment and address inequality

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## ENPHO

## **Key Messages**



- · Financing and investment decisions, asset ownership and operations often sit with different stakeholders.
- · Achieving the right mix of finance is critical for long term services, as well as equity and viability of results.
- . The tracking of investment results is imperative, but currently overlooked by both lenders and borrowers.

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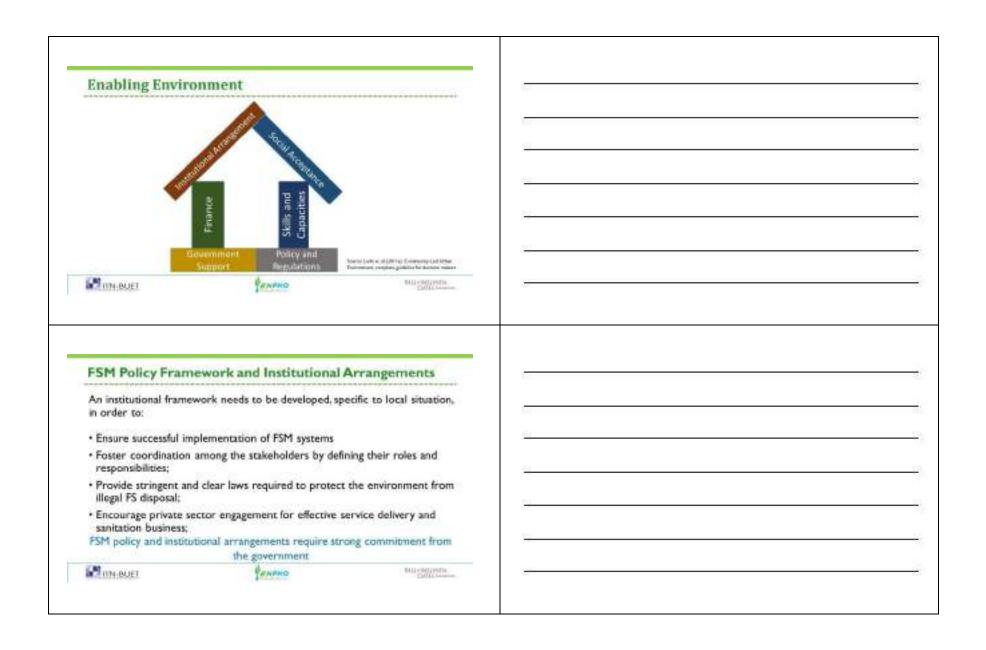
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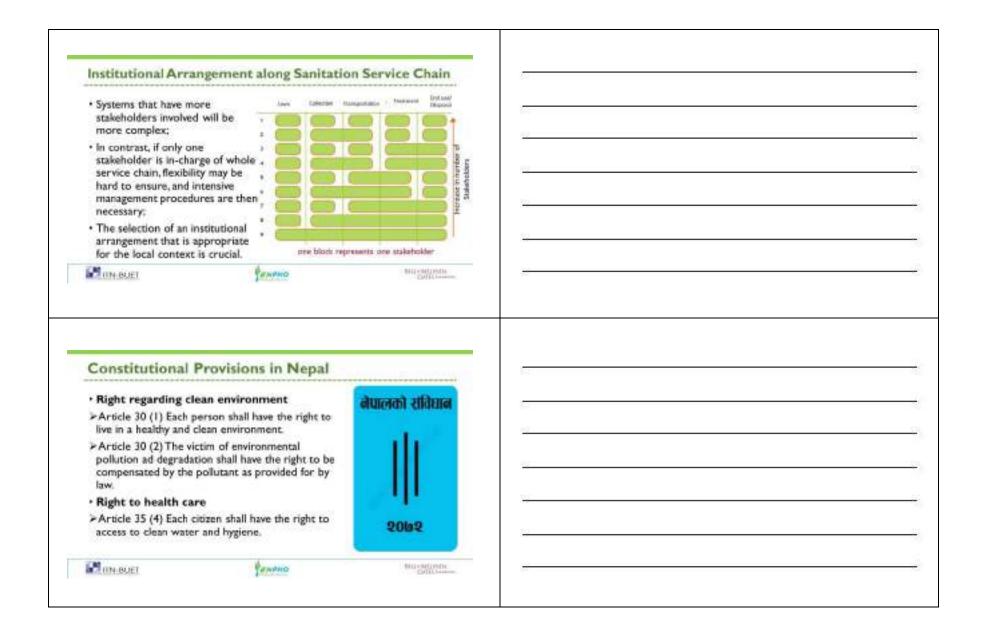
Session 8: Enabling Environment- Legal and Institutional Framework



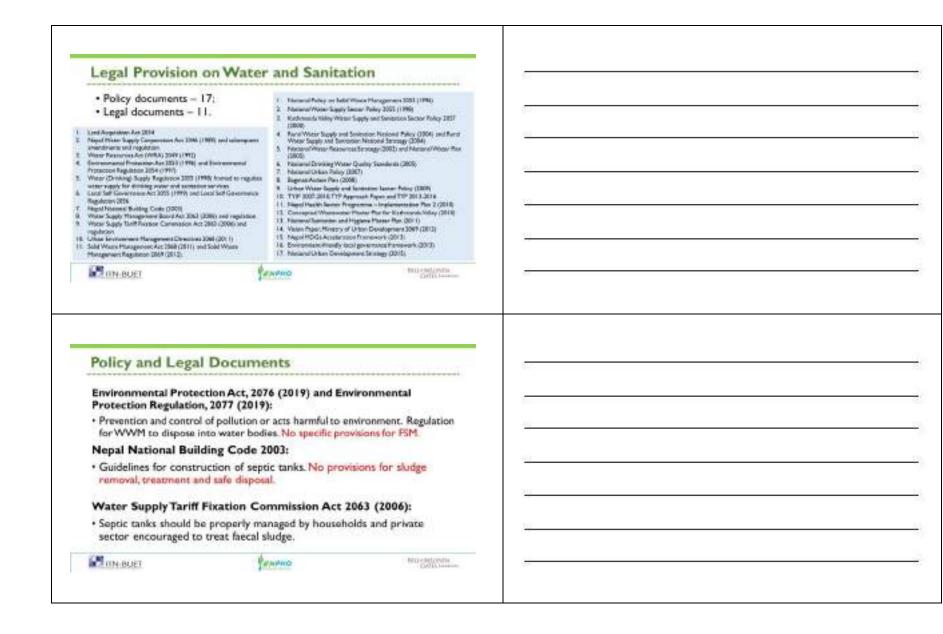
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Training S	Structure		4	5	6	67 67			
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Training S	2 CANSE. Concept and Investigation	B 3 CANS Dataset Trady	4 Contraction Solicity 10 O	11	6 CWHS Syntam: Responsibility and Advantamility 12				

Learning Outcome	s		82		
Summarize the important	e of institutional and legal	framework for FSM	800		
<ul> <li>Define FSM policy framew in context of Nepal</li> </ul>	vork, regulations and instit	utional arrangements	152 152		
<ul> <li>List out SDG indicators of Sanitation Guideline</li> </ul>	m sanitation and relevance	of FSM in Total	7 <u>12</u>		
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		and Sold Area			
Presentation Out		monthere			
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6.2.1 Providence of population using initial (1)	Larned doard (NJ) 147	- 24.3 19.7	3123	16.5	-
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FSM in Total Sanitatio	n Guideline				DAIRS
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## Policy and Legal Documents

## SN Policy documents Areas covered

L.	National Policy on Solid Watte Management 2053 (1996)	Enhance public participation through increased public awareness     of assistation, focused on urban and peri-urban areas.     Responsible bodies Local bodies and SWIMC.
2.	Urban Water Supply and Sanitation Sector Policy 2009	Encourage community participation and public-private partnerships in service delivery     Innovative on-site sanitation, like ECOSAN to be promoted.     Responsible bodie: Municipalities, local bodie: and NGOs, with line agencies to take a facilitation role.
3.	Kathinandu Valley Water Supply and Sanitation	<ul> <li>Private sector participation to be encouraged in the management of collection, treatment and disposal of on-eite system advances</li> </ul>

PENPHO

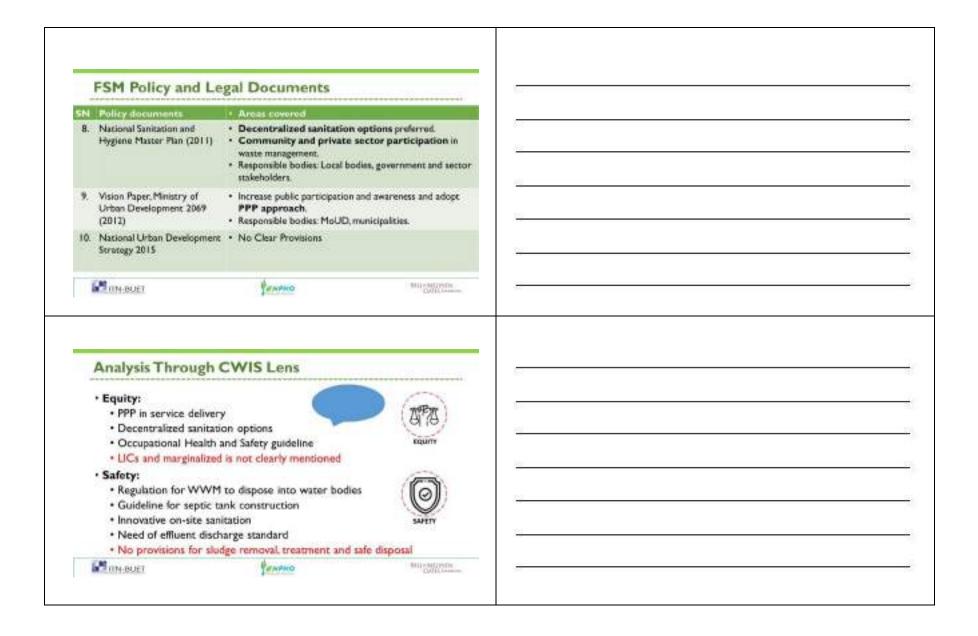
Supply and Sanitation management of collection, treatment and deposal of on-eite sys Sector Policy 2057 (2000) sludge. \* Responsible bodies: MoUD, KVWSMB, KUKL, Private sector.

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IN BUET

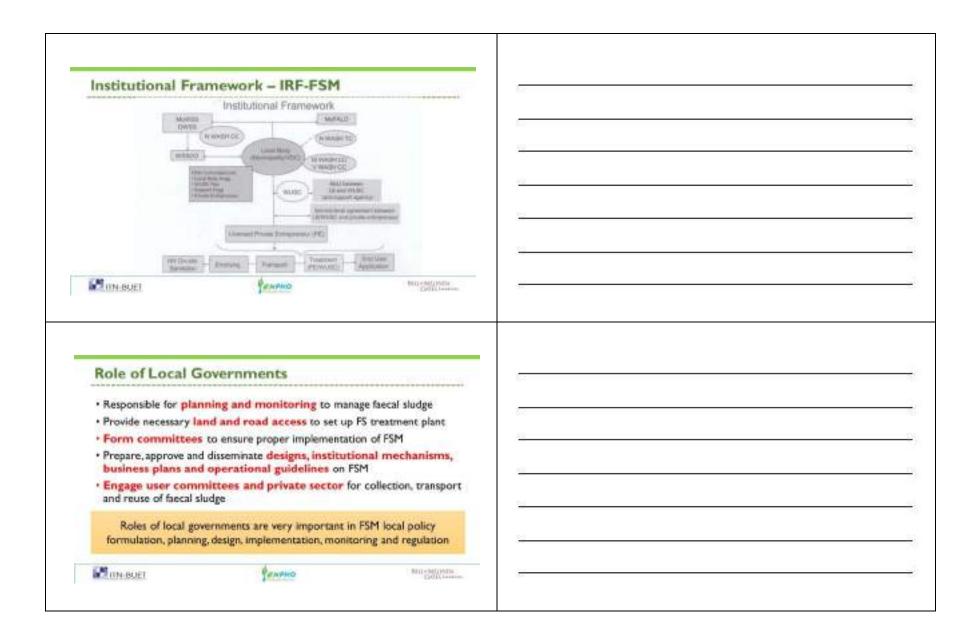
## Policy and Legal Documents

N	Policy documents		Areas covered
¢	National Water Resources Strategy (2002) and National Water Plan (2005)		On-site sanitation development within Programmes. No clear arrangements for proper management and treatment of sludge. Responsible bodies: Local bodies
5.	National Urban Policy 2007	÷	No clear provisions
6.	Filteenth Plan 2076/77-2080/81, Approach Paper	+ +	Clarity on WWM, FSM, need of effluent discharge standard Envisioned financing WWM/FSM and private sector engagement in the sector
7.	Conceptual Wastewater Master Plan for Kathmandu Valley (2010)	•	No clear provisions
1	MITN-BUET		PERFIND NO-MONTH









Role of Local Govern	ments		82		
<ul> <li>Issuing a license to private en disposal at FSTP</li> </ul>	trepreneur for FS collection	n, transport and	82		
· Providing adequate financial r	esources for O&M of FSM		15		
· Coordination with neighborin	ig local bodies for FSM				
<ul> <li>Linkage and coordination with promotion</li> </ul>	n local WASH committees	on sanitation	<u>1</u>		
<ul> <li>Ensuring designs of septic tan standards</li> </ul>	ks and soak away systems	as per approved	33		
<ul> <li>Monitoring effective impleme compliance and instituting implementation</li> </ul>		ng regulation	<u>14</u>		
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	licy is on-site sanitation tent. de-sludging,	Annessen alle vans		
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<ul> <li>Issued in 2076 (2020)</li> <li>Major coverage of byli system : safe containm transportation, treatm</li> </ul>	ws developed and endorsed by y. Lalitpur	energy of the second lifest		

Rt. Hon. PM KP Sharma Oli signing the pledge on FSN along with MuAN President during MuAN Day, 13 March 2019 (World Environment Day, 20 <sup>th</sup> National Sanitation Week and Sithi Nakha)	19 19
CWIS in Legal Documentation	87
• CWIS guideline - in process of drafting	877 877
CWIS guideline – in process of drafting	
<ul> <li>CWIS guideline – in process of drafting</li> <li>N-WASH Policy- Draft version</li> </ul>	
<ul> <li>CWIS guideline – in process of drafting</li> <li>N-WASH Policy- Draft version</li> </ul>	

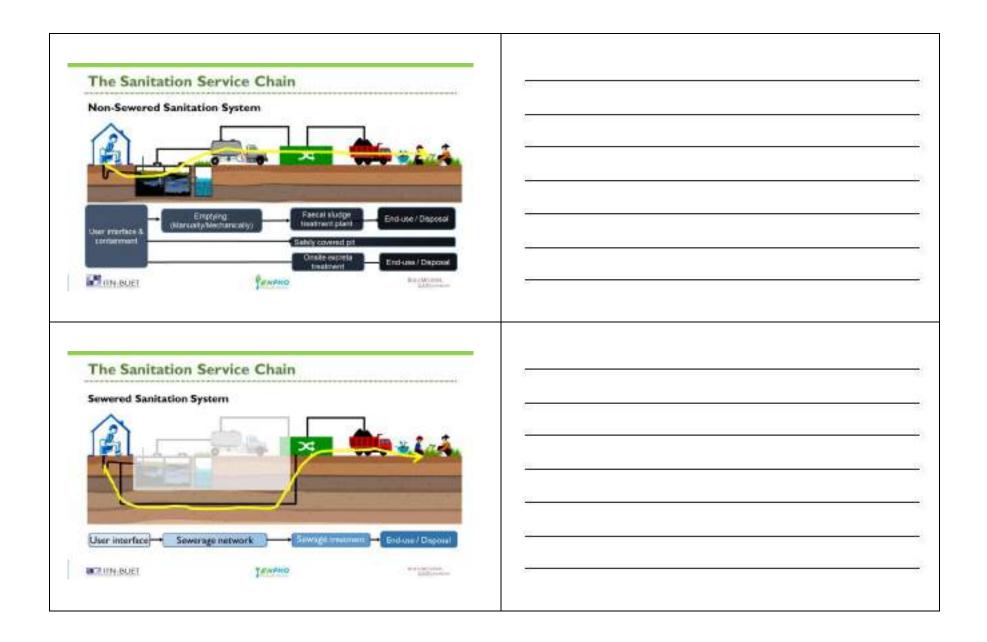
Key Messages				
<ul> <li>Most of the legal and po</li> </ul>	licy documents have no cl	ear provisions for FSM;	82 	
<ul> <li>As of now, FSM institution roles and responsibilities</li> </ul>	onal and regulatory framev	work clearly indicates	1 <u>2</u>	
(Municipalities and Rural	ext and requirements, local I Municipalities) have autho guidelines and frameworks	prity to formulate their	<u>10</u>	
<ul> <li>We need to work toget and expertise to ensure</li> </ul>	her to build local capacity, proper and sustainable FS	exchange of knowledge M at the local level.		
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References	eterstation and in 1938 and ind	an an air ann an 1920 - Shan Arra 1927	0	
• Luthi et al., (2011a) :Co	mmunity-Led Urban Envir nakers	ronment, complete		
<ul> <li>Luthi et al., (2011a) :Co guideline for decision n</li> <li>Institutional and Regula</li> </ul>	mmunity-Led Urban Envir nakers itory Framework for faeca		6	
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<ul> <li>Luthi et al., (2011a) :Co guideline for decision n</li> <li>Institutional and Regula Urban Areas of Nepal</li> <li>Sewerage Management</li> <li>Fifteenth Plan 2076/77-</li> </ul>	nakers itory Framework for faeca Policy 2075 -2080/81, Approach paper	il Sludge Management in	6	
<ul> <li>Luthi et al., (2011a) :Co guideline for decision n</li> <li>Institutional and Regula Urban Areas of Nepal</li> <li>Sewerage Management</li> <li>Fifteenth Plan 2076/77-</li> <li>Environmental Protecti</li> </ul>	nakers itory Framework for faeca Policy 2075 -2080/81, Approach paper ion Act. 2076 (2019)	il Sludge Management in		
<ul> <li>Luthi et al., (2011a) :Co guideline for decision n</li> <li>Institutional and Regula Urban Areas of Nepal</li> <li>Sewerage Management</li> <li>Fifteenth Plan 2076/77</li> <li>Environmental Protecti</li> <li>Nepal National Building</li> </ul>	nakers itory Framework for faeca Policy 2075 2080/81, Approach paper ion Act. 2076 (2019) g Code 2003	i Sludge Management in		
Luthi et al., (2011a) :Co guideline for decision n     Institutional and Regula Urban Areas of Nepal     Sewerage Management     Fifteenth Plan 2076/77- Environmental Protecti     Nepal National Building     Water Supply Tariff Fixe	nakers itory Framework for faeca Policy 2075 -2080/81, Approach paper ion Act. 2076 (2019)	i Sludge Management in		
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Session 9: Urban Sanitation Options

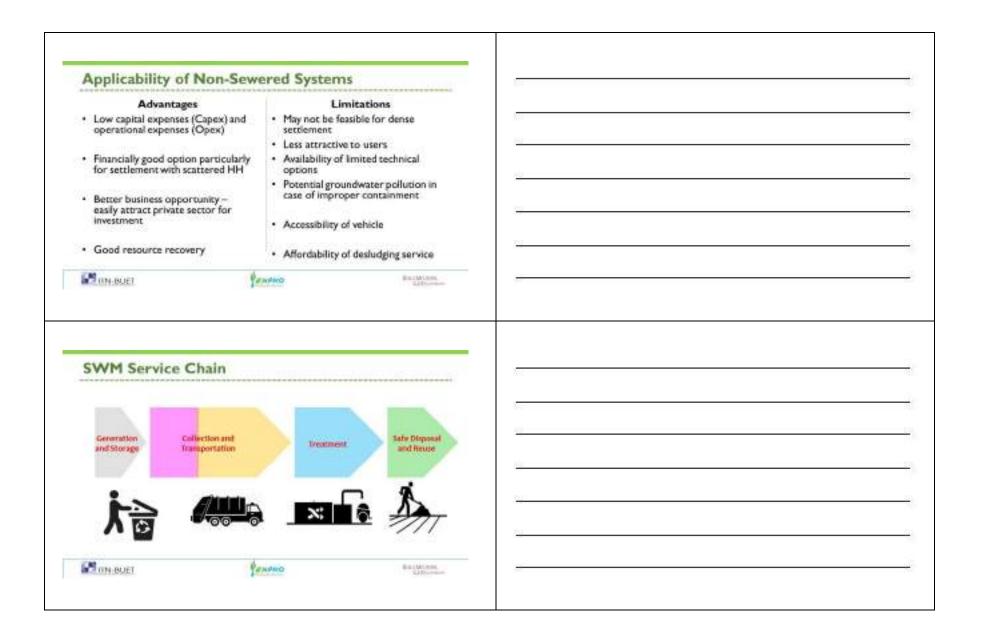
	Sanitation Scaling and San			
1	Urban Sanitation Option	S	<u>456</u>	
Training on Introd	action of Citywide Inclusive Sa	initation Approach	<u>193</u>	
	Resource Person		100	
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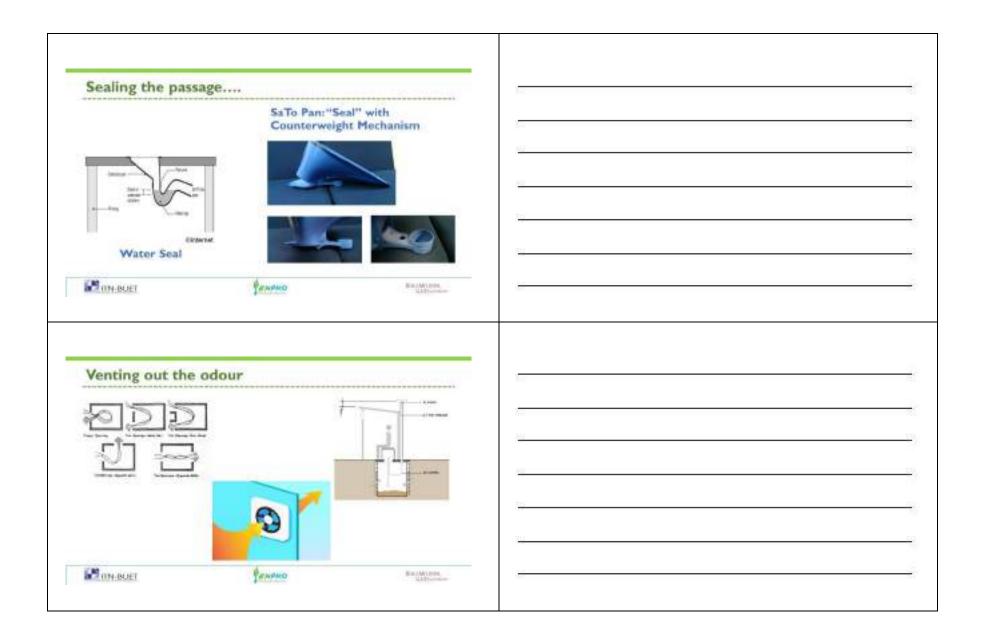
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Sanitation Service C	hain				 	 
Sewered Sanitation				0		
Onsite sanitation: Hy	gienic latrines and Containme	ints		12		
Desludging and conv						
· Challenges of deslud	ging and transportation servic	e		12		
Decentralized FS tre	atment technologies					
· Centralized FS treat	ment technologies			X15		
· "Reinvent the Toilet"	, Transformative Technologies					
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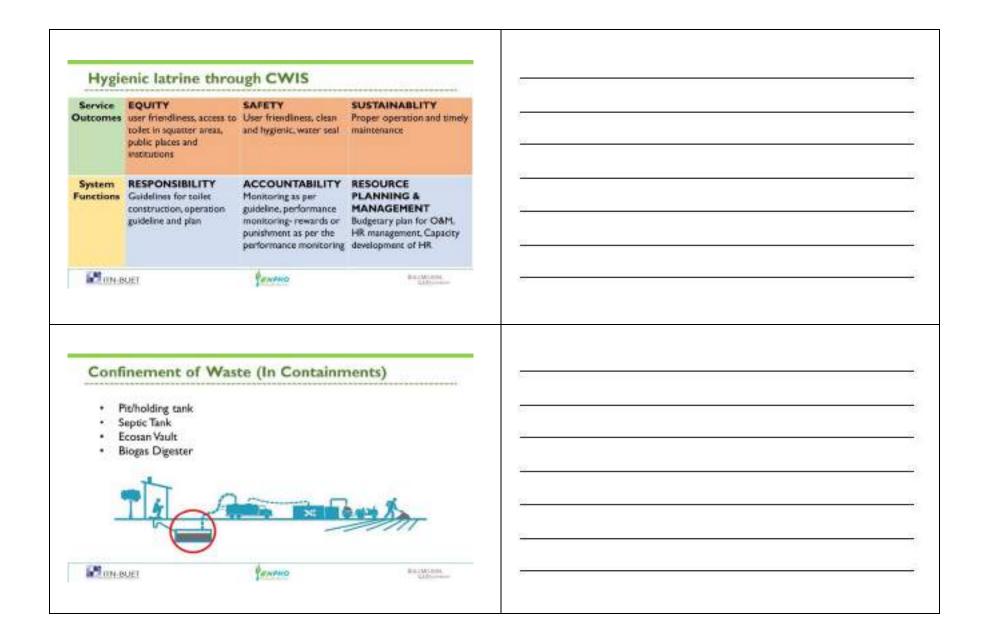


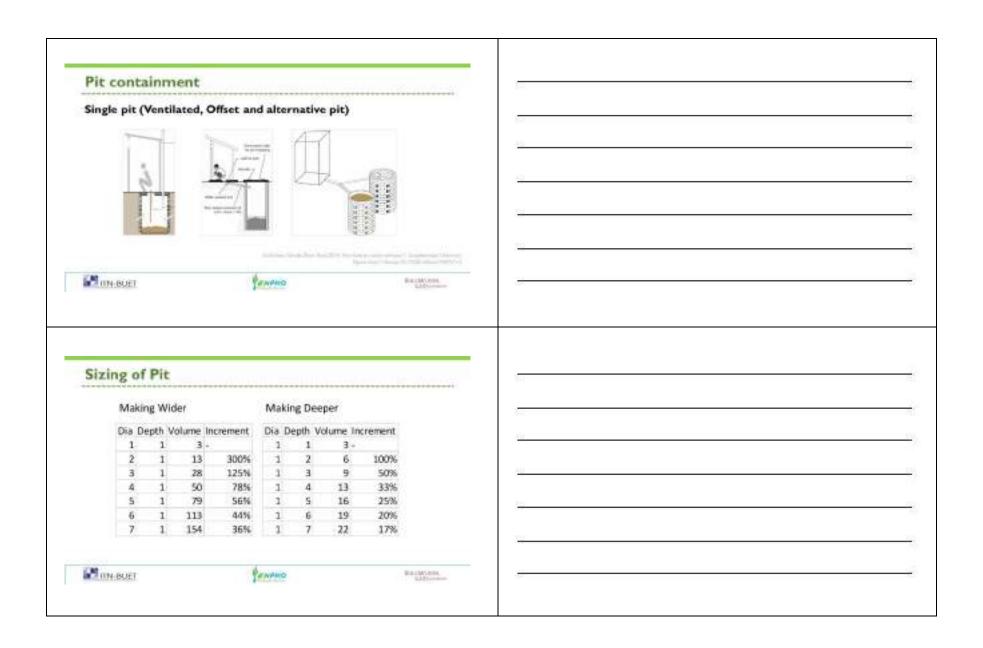
Sewered Sanitation	Non-Sewered Sanitation		
Dense settlement	Area with low population density	872	
Flood-prone areas	Settlement with scattered houses	121	
<ul> <li>Areas having high water table</li> </ul>	· Rural and outskirt of urban centers		
<ul> <li>low infiltration capacity of soil</li> </ul>	+ Plain terrain or geography with low	12	
<ul> <li>Highly Sloped terrain</li> </ul>	gradient		
<ul> <li>Higher availability of water</li> </ul>	Water-scarce areas	<u>19</u>	
<ul> <li>Land available as site for treatment plant at a lower elevation than surroundings</li> </ul>	<ul> <li>Land available as site for treatment plant at a higher elevation than surroundings</li> </ul>	<u>105</u>	
	WPHO BUILDING		
	Systems	. <del></del>	
Applicability of Sewered	Systems Limitations		
Applicability of Sewered	Systems Limitations • Requires High Capex and Opex	8	
Applicability of Sewered : Advantages • Highly preferred by users • No need to establish desludging	Systems Limitations		
Applicability of Sewered : Advantages • Highly preferred by users • No need to establish desludging service	Systems Limitations • Requires High Capex and Opex • Requires regular and high volume of flush water and produces high		
Applicability of Sewered : Advantages • Highly preferred by users • No need to establish desludging	Systems Limitations • Requires High Capex and Opex • Requires regular and high volume of flush water and produces high vol. of wastewater • Financially not suitable for		

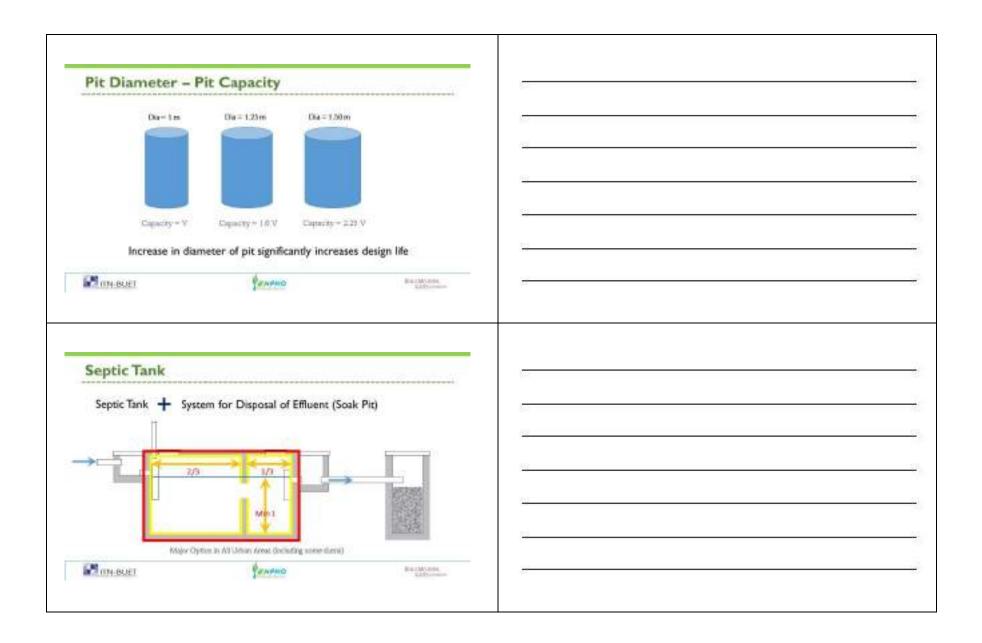


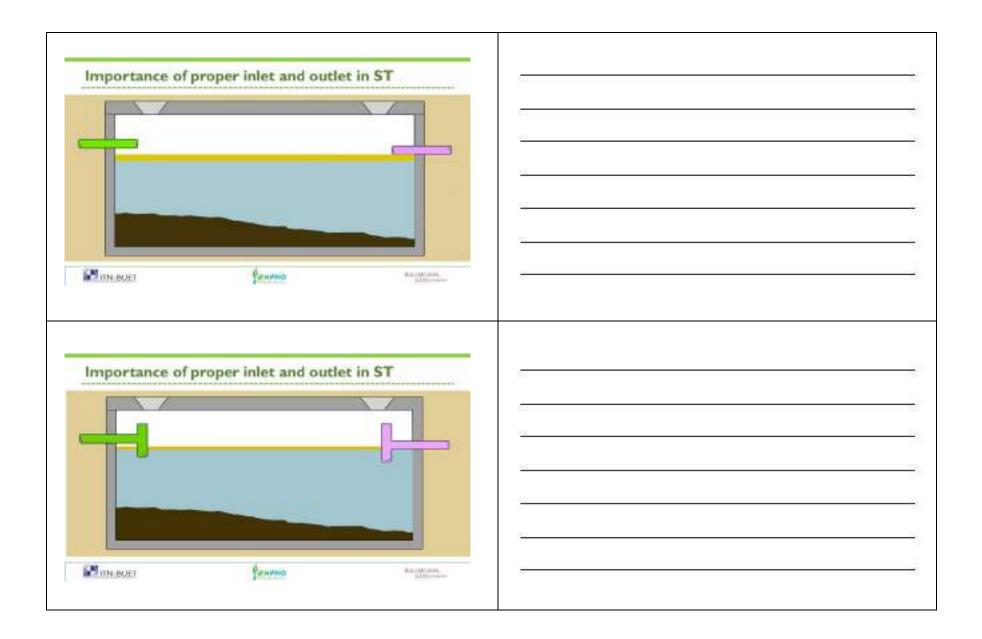
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Is your Latrine is "Hygienic" ?	
Is your Latrine is "Hygienic" ? A "hygienic latrine" is defined as a sanitation facility, which effectively breaks the cycle of disease transmission.	
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A "hygienic latrine" is defined as a sanitation facility, which effectively breaks the cycle of disease transmission.	
A "hygienic latrine" is defined as a sanitation facility, which effectively breaks the cycle of disease transmission. Criteria for a "hygienic latrine":	
A "hygienic latrine" is defined as a sanitation facility, which effectively breaks the cycle of disease transmission. Criteria for a "hygienic latrine": 1. Clean with no feacal traces	

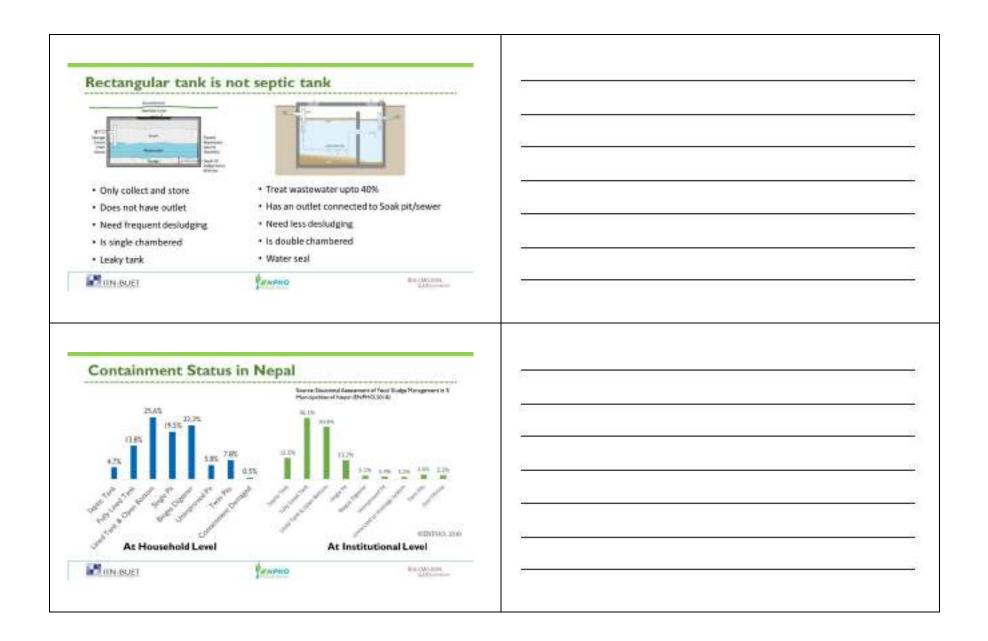


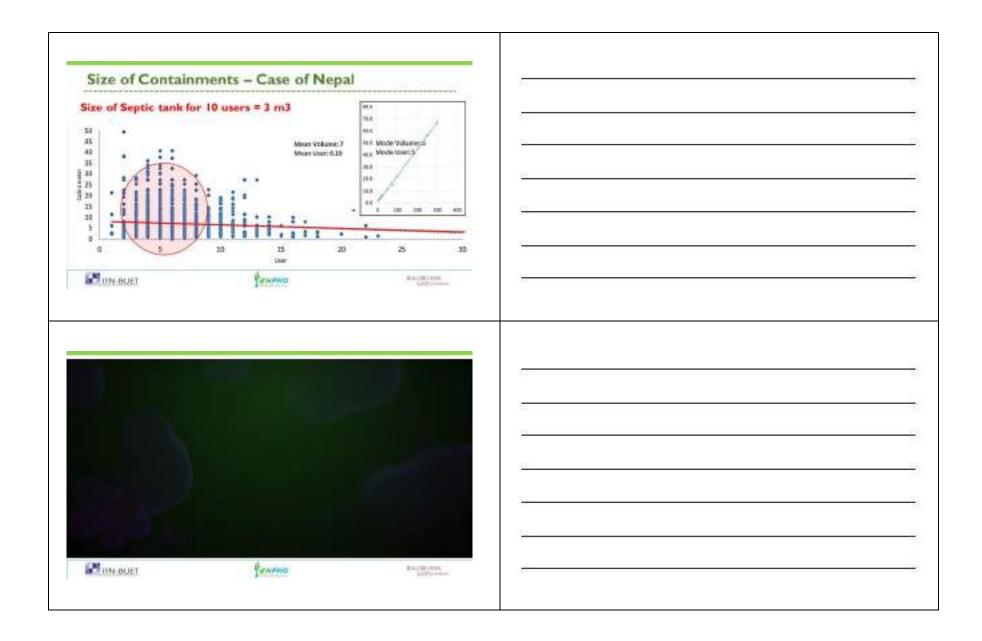


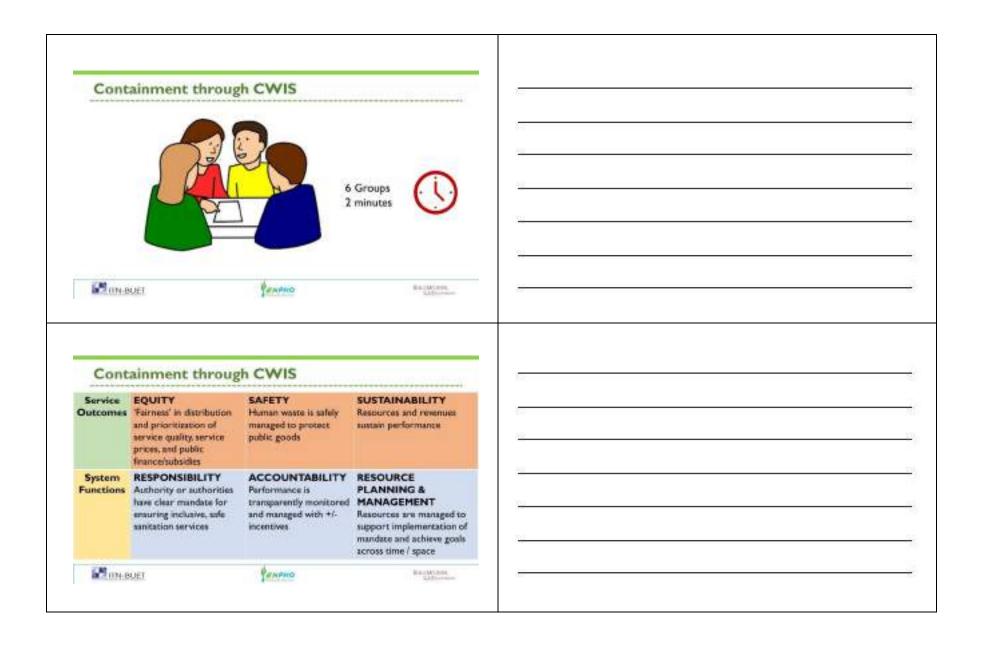


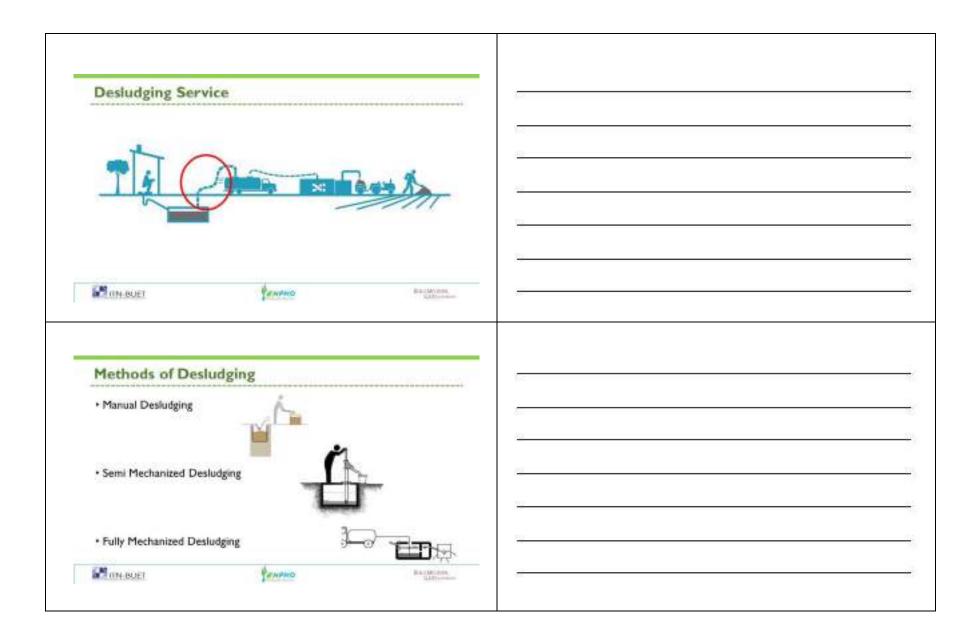


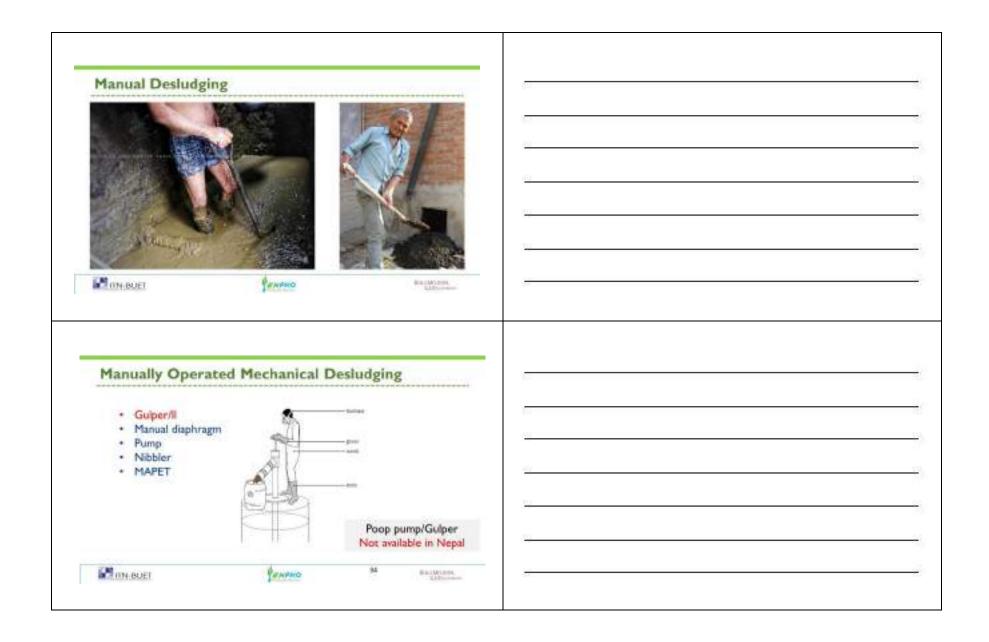


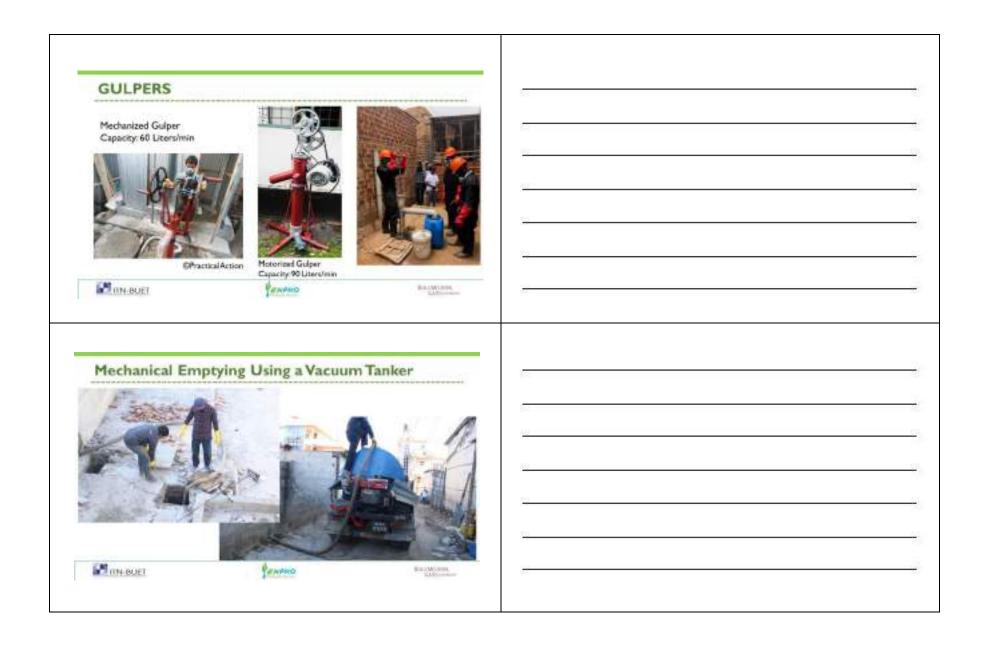


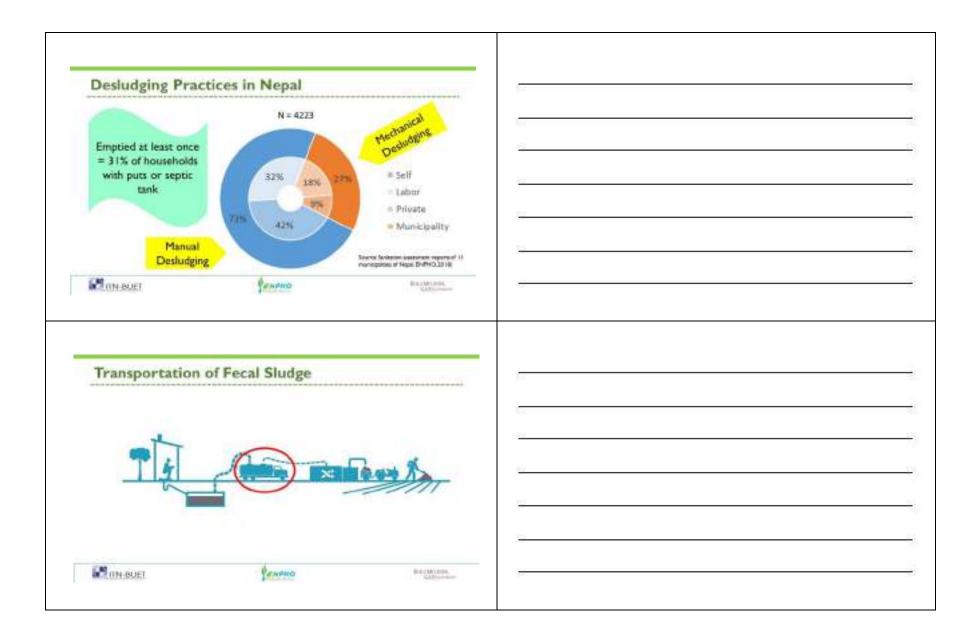


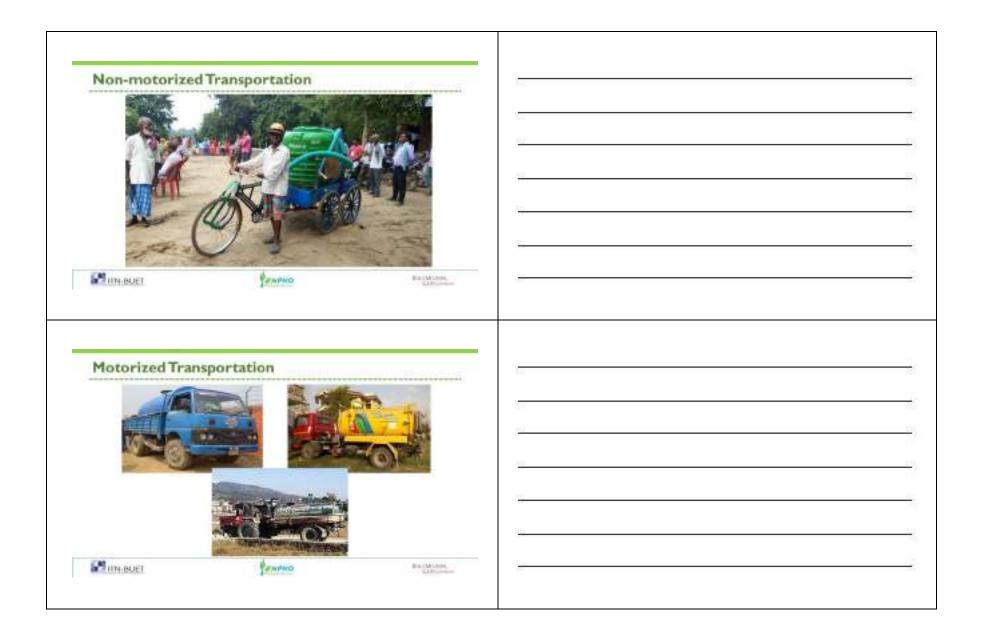


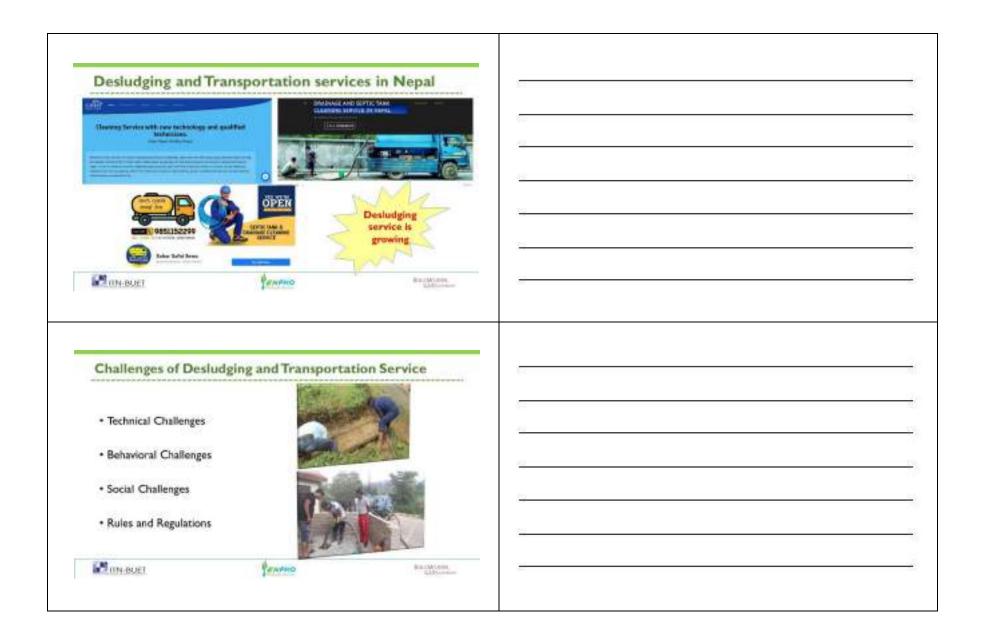


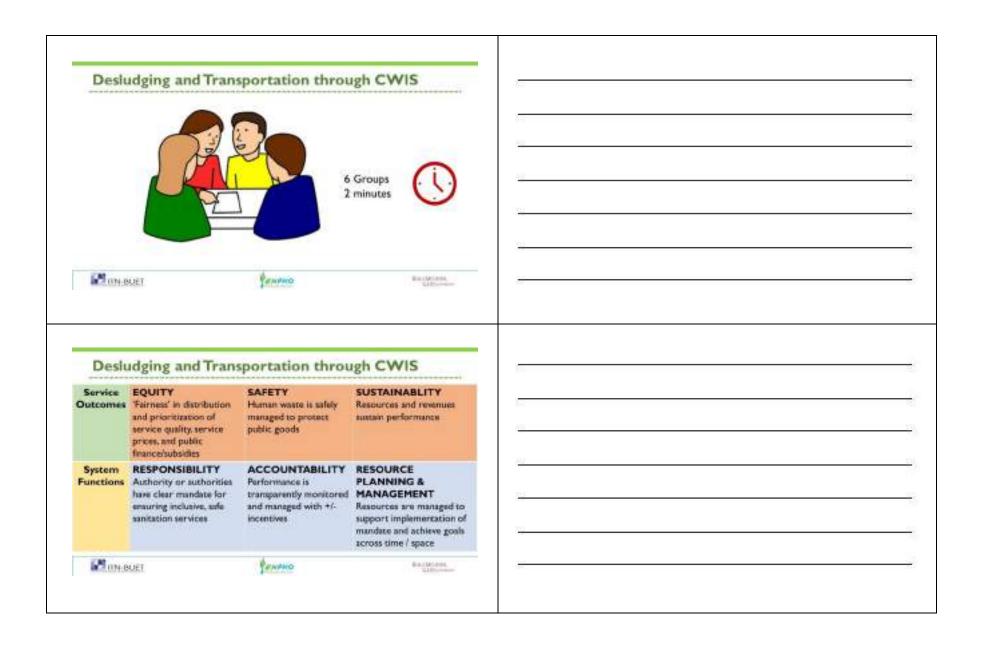






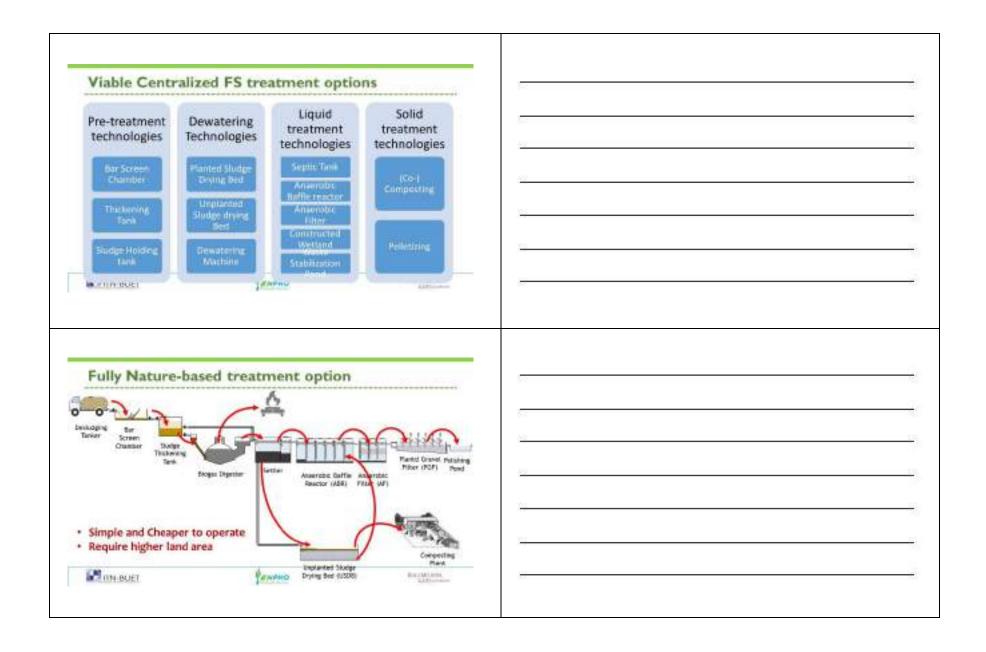


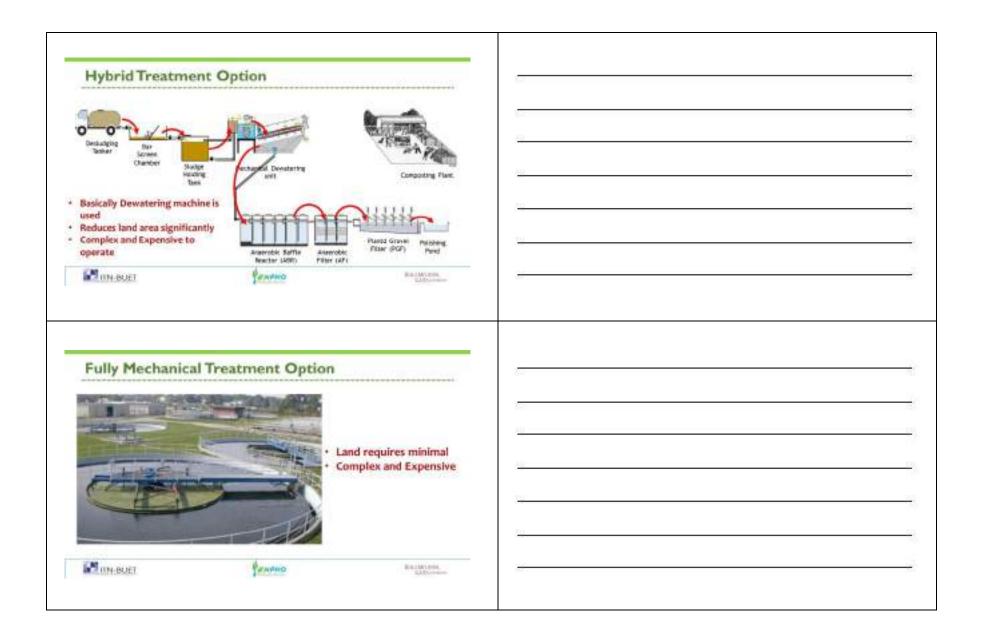


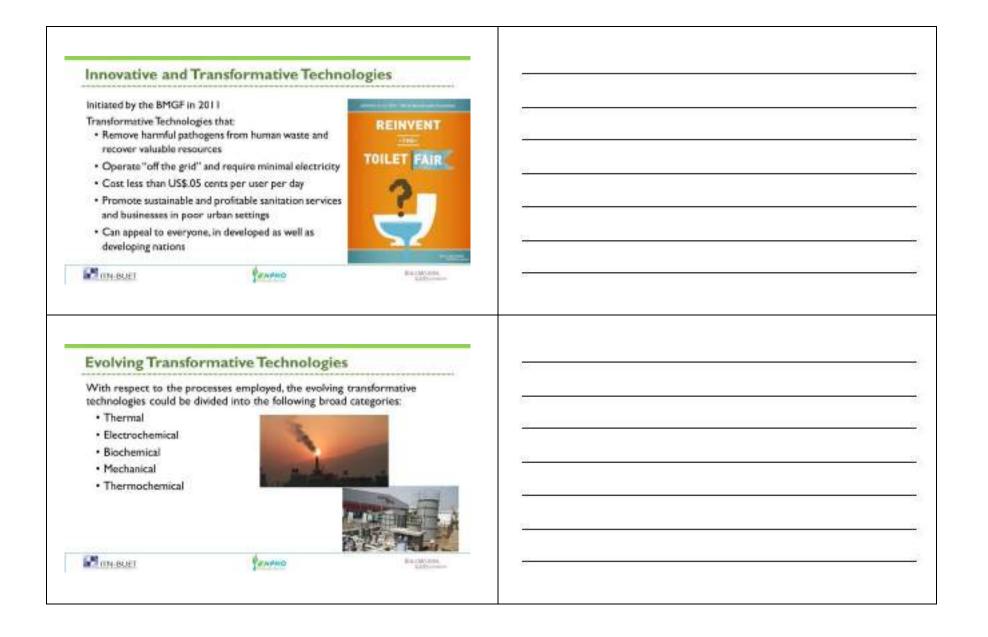


Treatment Teo	hnologies		19. 19.	
<b>*</b>		Terre Kar		
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Types of Treat	ment Technologies			
Types of Treat Based on treatment • On-site Treatment • Off-site Treatment	Location (Decentralized)			
Based on treatment • On-site Treatment	Location (Decentralized)	nt mechanism ological Treatment ment		

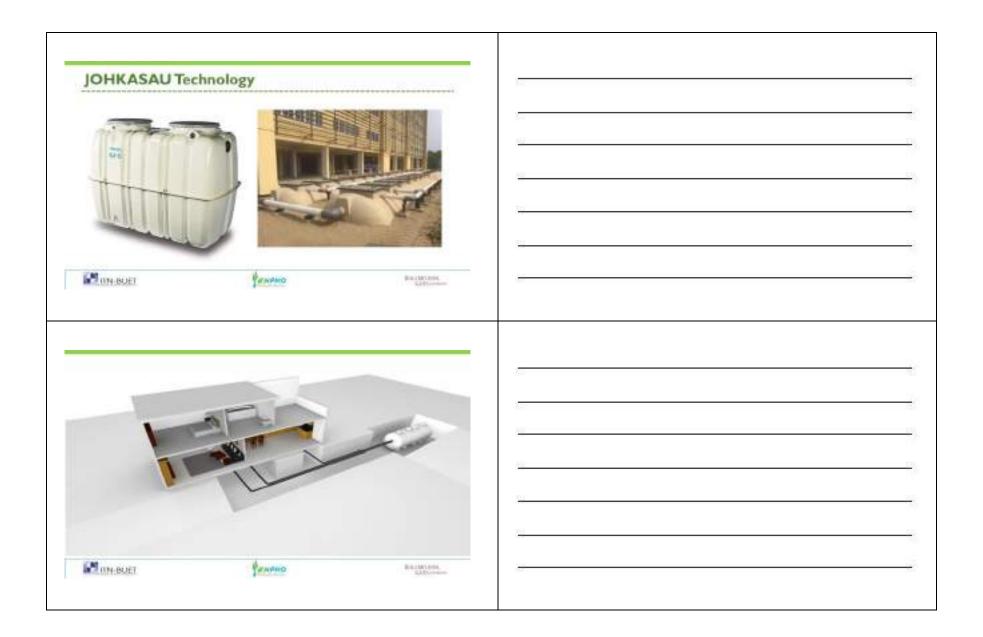




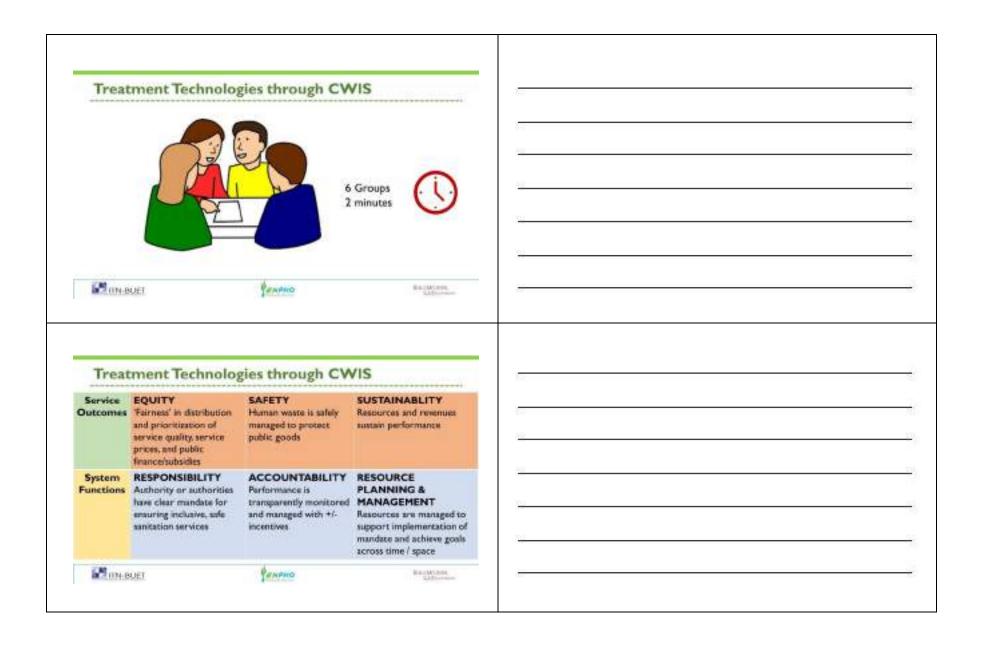




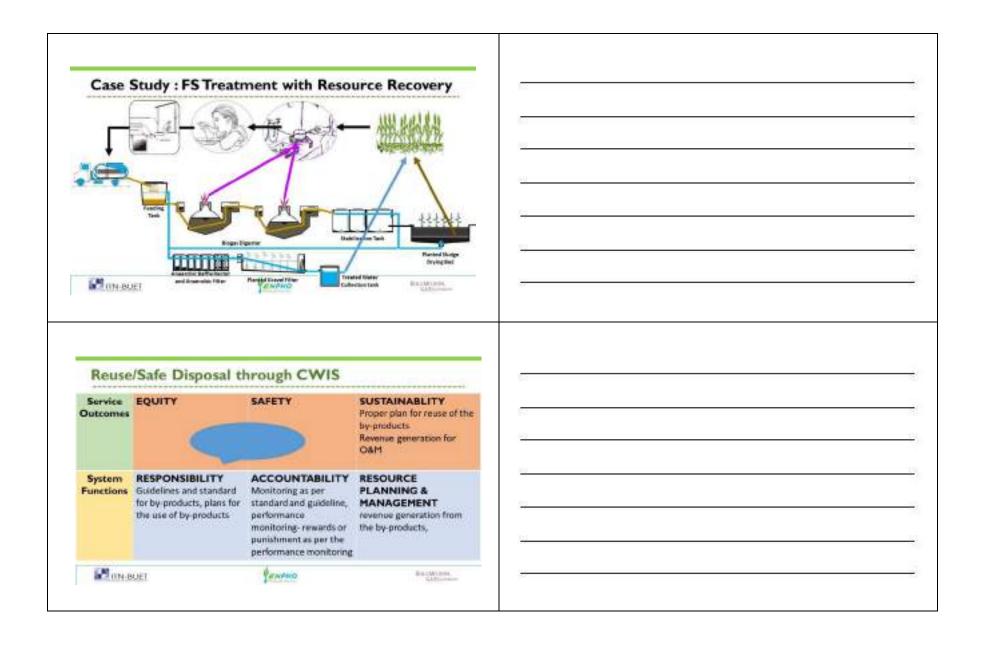




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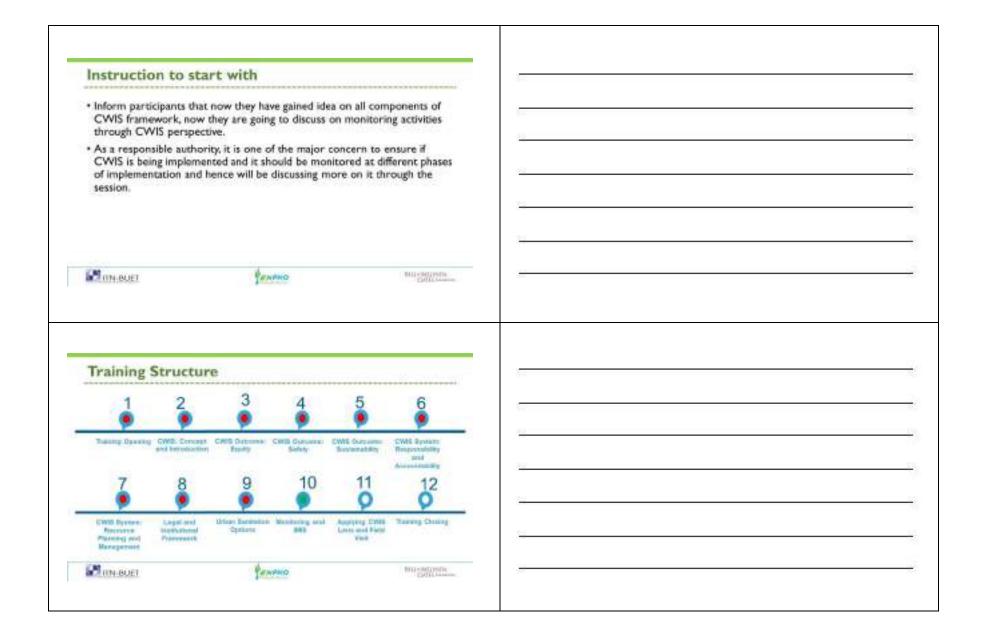
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Session 10: Monitoring and IMIS

a		Ra, <b>pos</b>	itation Innovation	6-2 6-2	 	
	Monit	toring and IMIS	And			
Training		Citywide Inclusive Sa	nitation Approach	<u>105</u>		
	Res	source Person		75		
MIN-BUE	T	PENENO	BALL - MALINATIA EXAMPLE Income			
	10.	Part of the second seco				
Before	Starting	SAFETY	SUSTAINABLITY			
Before	Starting					
Before	Starting		SUSTAINABLITY RESOURCE PLANNING & MANAGEMENT			



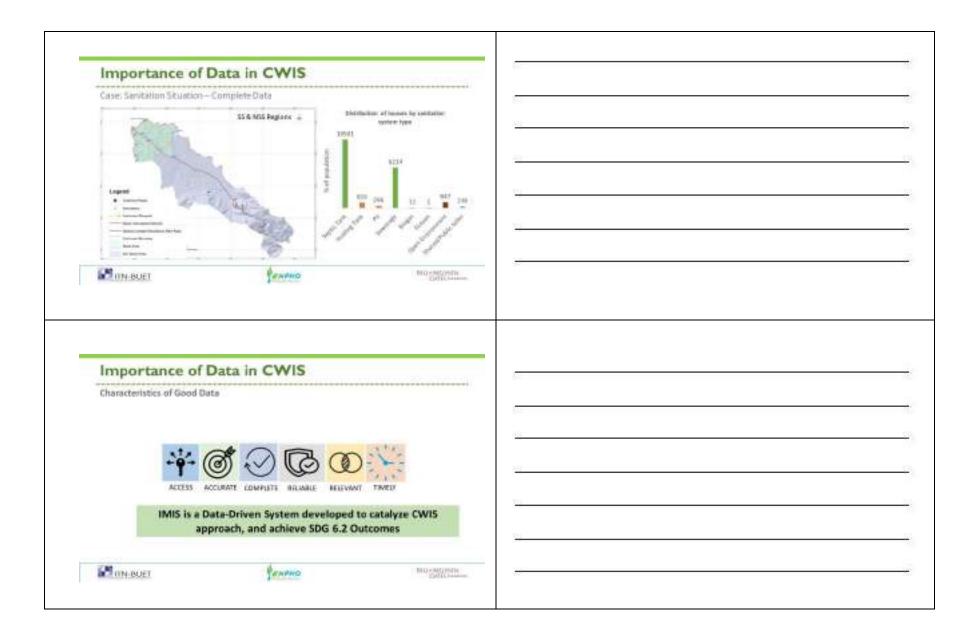
Learning Outcomes					
Discuss the importance of n	nonitoring for CWIS i	implementation	677		
<ul> <li>Introduce 'Integrated Munici interoperable system</li> </ul>	pal Information Syster	m', a data-driven and	-		
<ul> <li>Explain IMIS for planning, ma sanitation and service delive</li> </ul>	nagement and monito Y	oring and evaluation	of		
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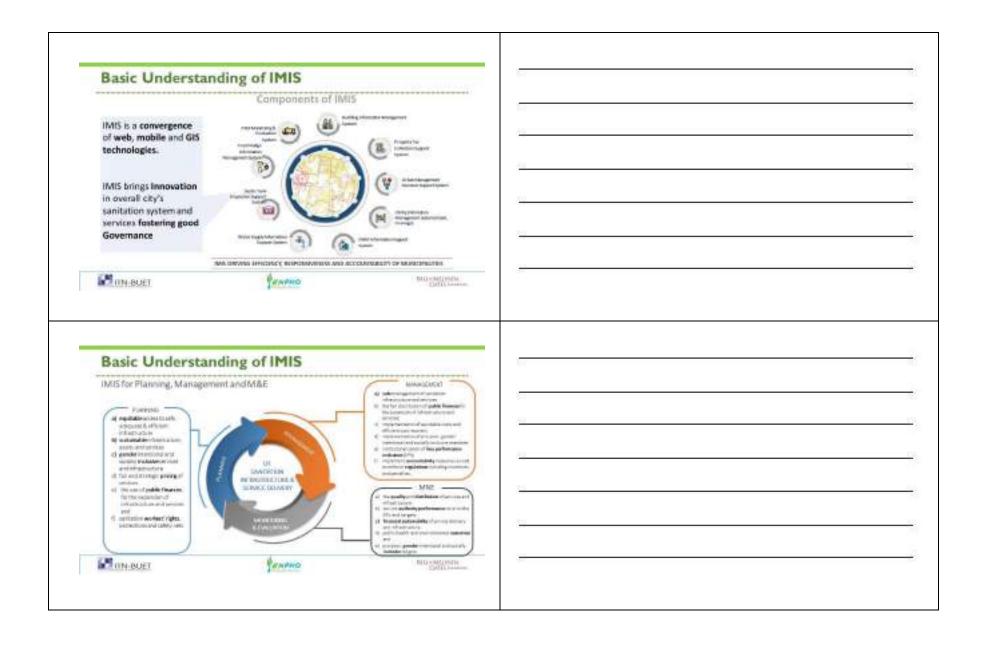
			82	
Regular observation	and recording for progress up	dates	87	 
<ul> <li>Giving feedback to the implementers and be</li> </ul>	ie related stakeholders (ex. lo neficiaries)	cal authority, donors,	4 <u>14</u>	 
The feedback and re-	commendations to be followed	d by Action points	22 22	
			102	
M IN BUET		Mill-MillPhik DVR Innon		 
Why Monitorin	g?		82	
· For Accountability	and Learning for the future	ſ.	10	 
<ul> <li>Help to show account to building an enabling</li> </ul>	tability to stakeholders, aid su e environment	stainability and contribute	<u>10</u>	 
	-		<u></u>	 
			<u>105</u>	
-			765	

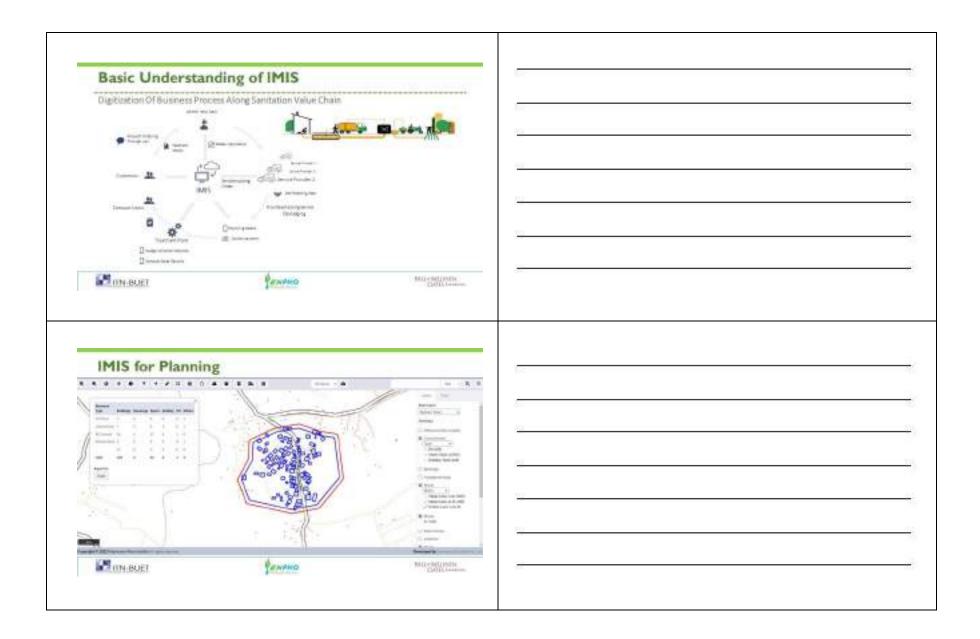
Why Monitoring?	1100001100000011010400		82	
<ul> <li>Provide evidence about the of programs, interventions a</li> </ul>		strengths and limitations		
· Provide feedback for correct	tive actions to stakehold	ters	<u>45</u>	
Are essential for evidence-b approaches to research, programming and policy ma	Contraction of the local division of the loc		<u>89</u>	
Build sector knowledge and enable systematic learning			1 <u>11</u>	
an ever	PERPHO	Bill - Millionna DAUA		
Monitoring- when?				
Monitoring- when? • During planning : Outlining	the key performance ind	licators	6	
*****************************				
During planning : Outlining	k the progress as per th	ne targets		
During planning : Outlining     During Implementation:Tra     Performance phase: Check     during the planning.     After monitoring	k the progress as per th	ne targets		
During planning : Outlining     During Implementation:Tra     Performance phase: Check     during the planning.     After monitoring     Reporting and recommendati     Monitoring is not a one-time	ik the progress as per th the outputs versus perfo ons to take actions	ne targets ermance indicator set		

Data and Information		800	
<ul> <li>What is the significance of data</li> <li>Where can we find data needed</li> </ul>			
		52 32	
M IN BUET	PERFECT DISCOUNTS	3 <u>12</u>	
Importance of Data in	CWIS		
Importance of Data in SDG 6 and Data UN Water SDG 6 Giobal Acceleration Framework has identified data and information as one of the five accelerators of SDG 6 outcomes.			
SDG 6 and Data UN Water SDG 6 Global Acceleration Framework has identified data and information is one of the five accelerators of SDG 6 outcomes.	Internet equitable senitation and hygiene for all		

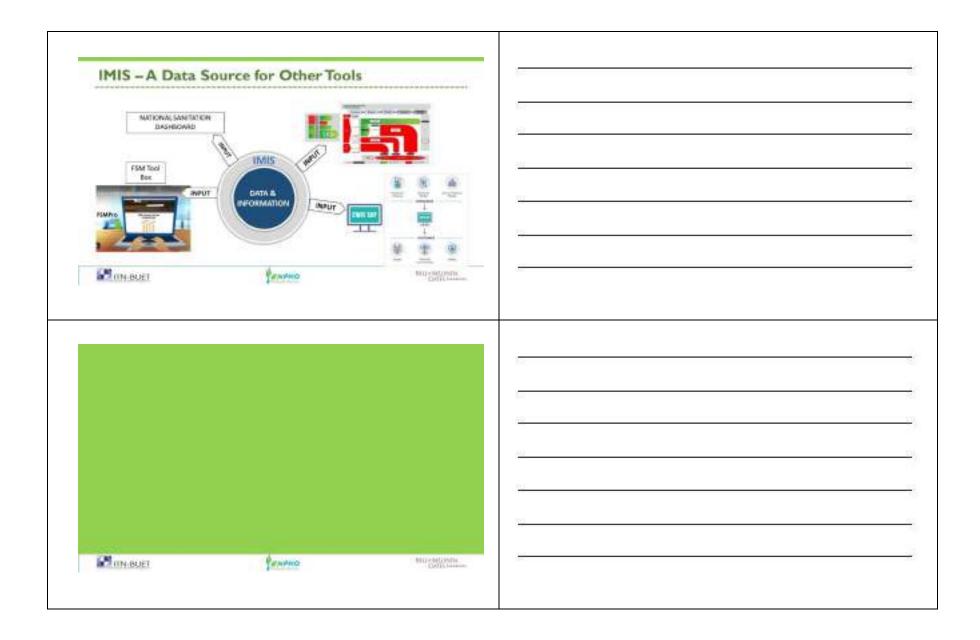




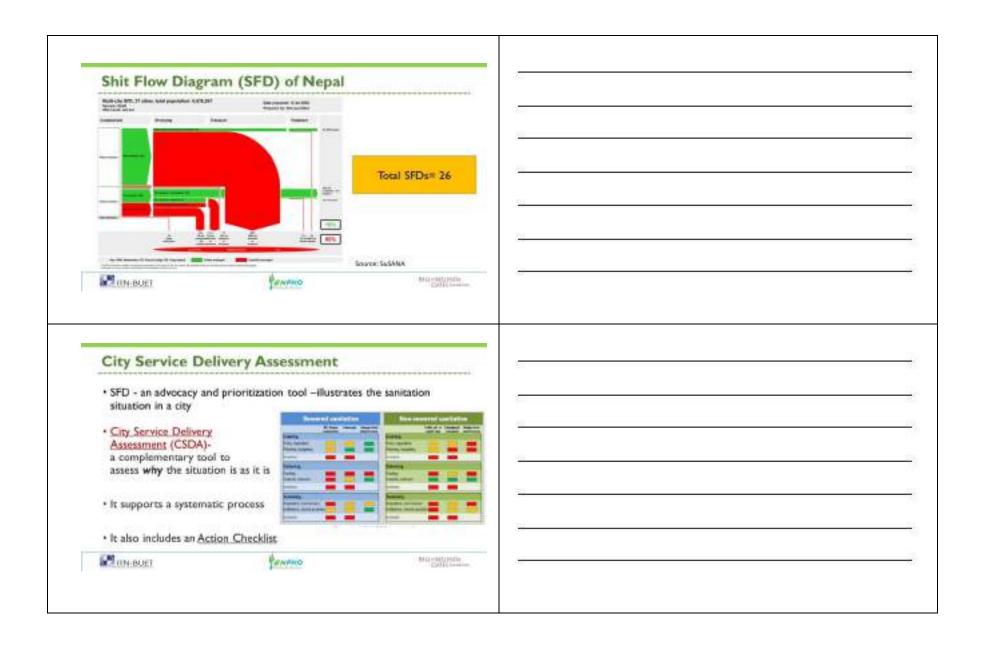








Shit Flow Diagra	m		0.5	
a tool • to readily understar • communicate how of flows through a city • SFDs show how it is or it moves from defecative end-use.	excreta physically or town r is not managed as	it flow diagram, SFD) is		
M IN BUET	PERPHO	Mile-Milpella Difference		
Shit Flow Diagra	m		87. 87.	
Shit Flow Diagra SFD = starting point for ✓ Visual summary of a c chain ✓ Problem identification	analysis city's sanitation			
SFD = starting point for ✓ Visual summary of a chain	analysis city's sanitation n tool e stakeholders			

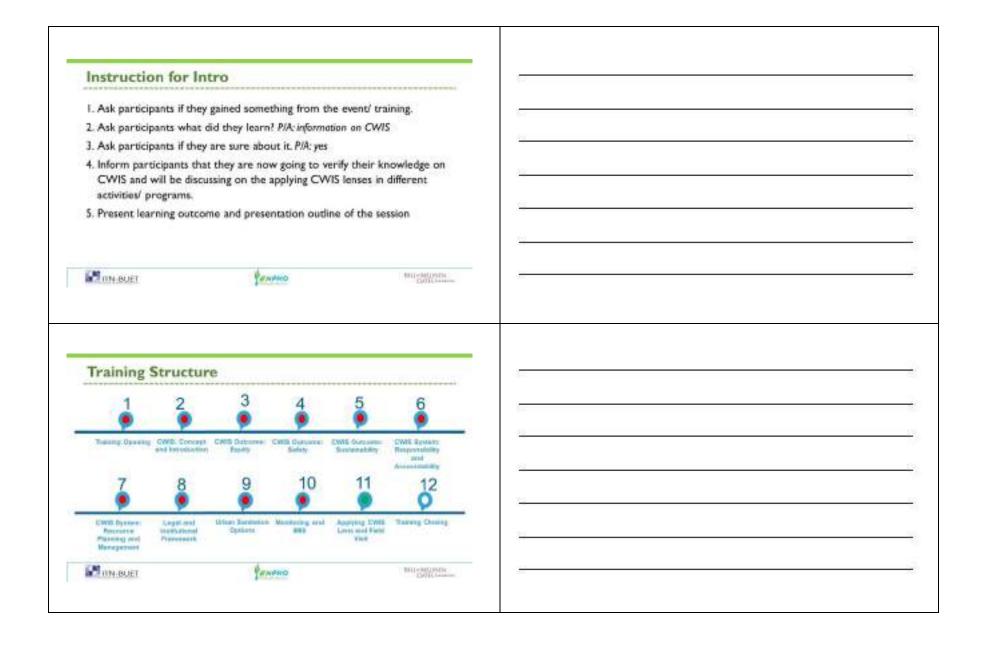


City Service Delivery Ass	sessment	255 - mil	
<ul> <li>Facilitates assessment of the enal Inclusive Sanitation (CWIS)</li> </ul>	bling environment for Citywide	8-1 1-1	
<ul> <li>Generates graphics to support a stakeholders to build consensus</li> </ul>	a systematic process for <mark>working</mark> s	with	
Separately addresses both sewen	red and non-sewered sanitation		
<ul> <li>Includes an Action Checklist to he prioritise actions to improve sa</li> </ul>		1 <u>20</u> 1 <u>20</u>	
Stan sort	ENTRO NO.	(Pellsc.	
CSDA Output			
A CSDA produces a structured diagr of institutional barriers to sanitati service delivery, based on 3 pillars: • Enabling: policy, legal and institutional	ion Nen-prevented manifestion Manual Annual Annual Annual Annual Annual An Annual Annual Annu	chate	
A CSDA produces a structured diagr of institutional barriers to sanitati service delivery, based on 3 pillars: • Enabling: policy, legal and institutional environment • Delivering: resources and mechanisms available to improve sanitation	nosis graphic, to facilitate stakeholder of the second state of th	chate	
A CSDA produces a structured diagr of institutional barriers to sanitati service delivery, based on 3 pillars: • Enabling: policy, legal and institutional environment • Delivering: resources and mechanisms	nosis graphic, to facilitate stakeholder of the facilitate statement the facilitate statement of the fac	chate	

Key Message			
Monitoring- Regular observation and recording for feed stakeholders	dback to related	8	
· Data and Information is one of accelerators of SDG 6			
<ul> <li>IMIS is a Data-Driven System and data from IMIS is according to the system of the syste</li></ul>	essible, accurate,	12	
<ul> <li>IMIS is an interoperable system capable of providing dat platforms as well as integrating data into itself via API</li> </ul>	ta to other	<u>7-5</u>	
<ul> <li>IMIS brings Innovation in overall city's sanitation system fostering good Governance</li> </ul>	and services	X:5	
<ul> <li>Data from the system can be used for advocacy throug analysis with CSDA for the appropriate interventions.</li> </ul>	h SFD and situation		
MIN BUET	BALLANDON DATA	100	
Additional Reading Materials			
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Additional Reading Materials I. Paper on "Monitoring Progress in Citywide Sanitation". Online https://www.frontiersin.org/articles/10.3389/itenvs.2021.75153 2. "CWIS Guidance Note". Online available at: https://www.adb.org/isteal/default/files/publication/751531/cwis sanitation-medded.pdf			
Paper on "Monitoring Progress in Citywide Sanitation". Online https://www.inontiersin.org/articles/10.389/ifenvs.2021.75153- 2. "CWIS Guidance Note". Online available at: https://www.adb.org/sites/default/iller/publication/751531/cwis	-citywide-inclusive-		
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Paper on "Monitoring Progress in Citywide Sanitation". Online https://www.inontiersin.org/articles/10.3389/ferve.2021.75153- 2. "CWIS Guidance Note". Online available at: https://www.adb.org/sites/default/files/publication/751531/cwis sanitation-meeded.pdf     Youtube video: "Monitoring & Evaluation of Water Sanitation P https://www.youtube.com/watch/v=TpieXRRK15E&ab_channe #     WHO information on Monitoring WASH: https://www.who.inf water-sanitation-and-hygiene     S. "Section and Hygiene".	-citywide-inclusive- Projects", d=StrategiaNetherland Dactivities/monitoring:	6	
Paper on "Monitoring Progress in Citywide Sanitation". Online https://www.inontiersin.org/articles/10.3389/ifenss.2021.75153- "CWIS Guidance Note". Online available at https://www.adb.org/istea/default/files/publication/751531/cwis sanitation-medica.pdf     Youtube video: "Monitoring & Evaluation of Water Sanitation P https://www.youtube.com/watch/v="prexRRK.15E8ab_channes" WHO information on Monitoring WASH: https://www.who.im water-sanitation-and-hygiene     Sanitation Monitoring Toolkit" https://www.communityienes     Sanitation Monitoring Toolkit" https://www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//www.communityienes//wwww.communityienes//www.communityienes//www.communityienes/	-citywide-inclusive- Projects", d=StrategiaNetherland Dactivities/monitoring:		
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Session 11: Applying CWIS Lens and Field Visit

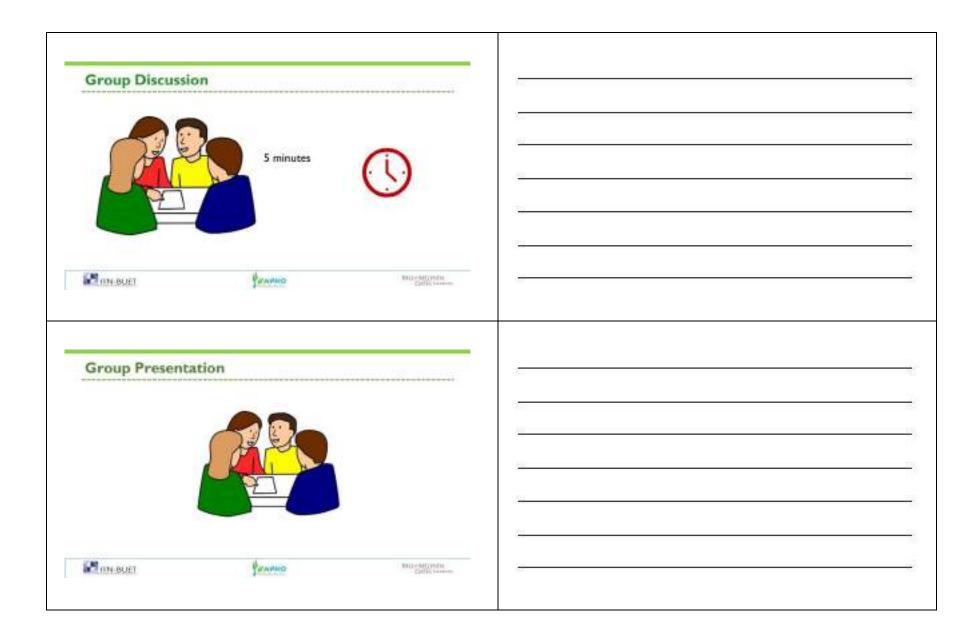
- Patrone	usive Sanitatio	on Scaling and S	anitation Innovation			
	Apply	ing CWIS lens	1	4 <u>59</u> 763		
Training on h			Sanitation Approach	14 14		
MITN-BUET	Res	ource Person	BITI - Mel (1947)s EDVD ( teams	-		
Before Sta	equity	BAFETY	SUSTAINABLITY			
Service		EAFETY ACCOUNTABILITY	SUSTAMABUTY RESOURCE PLANNING & MANAGEMENT			



Learning Outcomes			8-2 -	
<ul> <li>Analyze sanitation facility/ fac</li> </ul>	ilities through CWIS p	erspective	872	
Describe on the next course	of action of an day to a		43	
· Describe on the next course	of action after the tran	ning	64	
			32	
			8:5	
520	14			
ITN-BUET	PEAPHO	BALL SHALL PARK	<del>11</del>	
Presentation Outline				
Presentation Outline				
Guide on the Site visit				
<ul> <li>Guide on the Site visit</li> <li>Field visit to one of the sanita</li> </ul>	tion services			
Guide on the Site visit	tion services			
<ul> <li>Guide on the Site visit</li> <li>Field visit to one of the sanita</li> </ul>	tion services			
<ul> <li>Guide on the Site visit</li> <li>Field visit to one of the sanita</li> <li>Analyze through CWIS persp</li> </ul>	tion services			

Guide on the Site	visit		(		
<ul> <li>Inform participants that the analyzing the facility through</li> </ul>		facility and will be	853		
<ul> <li>For the visit, inform particip the components of CWIS fr checklist to note the points</li> </ul>	eants that they will be divided ramework and will be provid along with some of the refe	ed a monitoring	A <u>20</u>		
<ul> <li>Inform participants as they measures applied and gaps in</li> </ul>	visit the field, participants are n particular component assig	to make notes on the ned to the group.	100		
<ul> <li>Inform that after the visit, pa large group.</li> </ul>	articipants will be presenting	their findings to the	702		
<ul> <li>Now divide into groups and monitoring checklist and ret</li> </ul>	d assign a topic to each group ference points.	along with the	X+5		
Ask participants to go through the second seco	ugh the reference points in th	heir respective groups			
IN BUET	Peneno	MIL +MLPHIL DATE benom	_		
	Para				
Site Visit & Evaluat	Para				
Site Visit & Evaluat • In 6 groups	tion {Let's Practice				
Site Visit & Evaluat • In 6 groups • Each group- a CWIS fram- component	tion {Let's Practice				
Site Visit & Evaluat • In 6 groups • Each group- a CWIS fram- component • Observe as per the comp- take notes	tion {Let's Practice				
Site Visit & Evaluat • In 6 groups • Each group- a CWIS fram- component • Observe as per the comp	tion {Let's Practice				
Site Visit & Evaluat • In 6 groups • Each group- a CWIS fram- component • Observe as per the comp take notes • Field visit	ework onent and	e}			
Site Visit & Evaluat • In 6 groups • Each group- a CWIS fram- component • Observe as per the comp- take notes • Field visit • 45 min observation	cion {Let's Practice ework onent and	e}			

Finding from Pro	Esentation Field I hou	Visit	
22 on surt		BILL-MILIPHIA DOIN Instances	
			<u>v</u>



Next Course of Action	872
Ask participants- • What is next? • How to implement CWIS in their municipality? • How can we support for CWIS implementation?	
Enneger Contraction	
References	
<ul> <li>FBM trainer's manual of EXMMG: BANDEC</li> <li>Institutorial and Regulatory Framework for Fascal Studge Management in Nepal; 2017</li> <li>Sitteriya Santar Sanchaler Am</li> </ul>	
Philippe Reymont: Planning Integrated Faecal Studge Management System     Luthi et. # (2011a), Community-Led Litban Environment, complete guideline for decision makers     BORDA, City Sanitation Plan Guide	<u>193</u>