GLOBAL SANITATION GRADUATE SCHO
The Best Sanitation MSc Thesis Award 2022
GLOBAL SANITATION GRADUATE SCHOOL
The Best Sanitation MSc Thesis Award 2019
GLOBAL SANITATION GRADUATE SCHOOL
The Best Sanitation MSc Thesis Award 2021
NIHARIKA SHARMA

UNESCO
IHE
DELFT
Institute for Water Education
GLOBAL SANITATION GRADUATE SCHOOL

SUSTAINABLE DEVELOPMENT GOALS

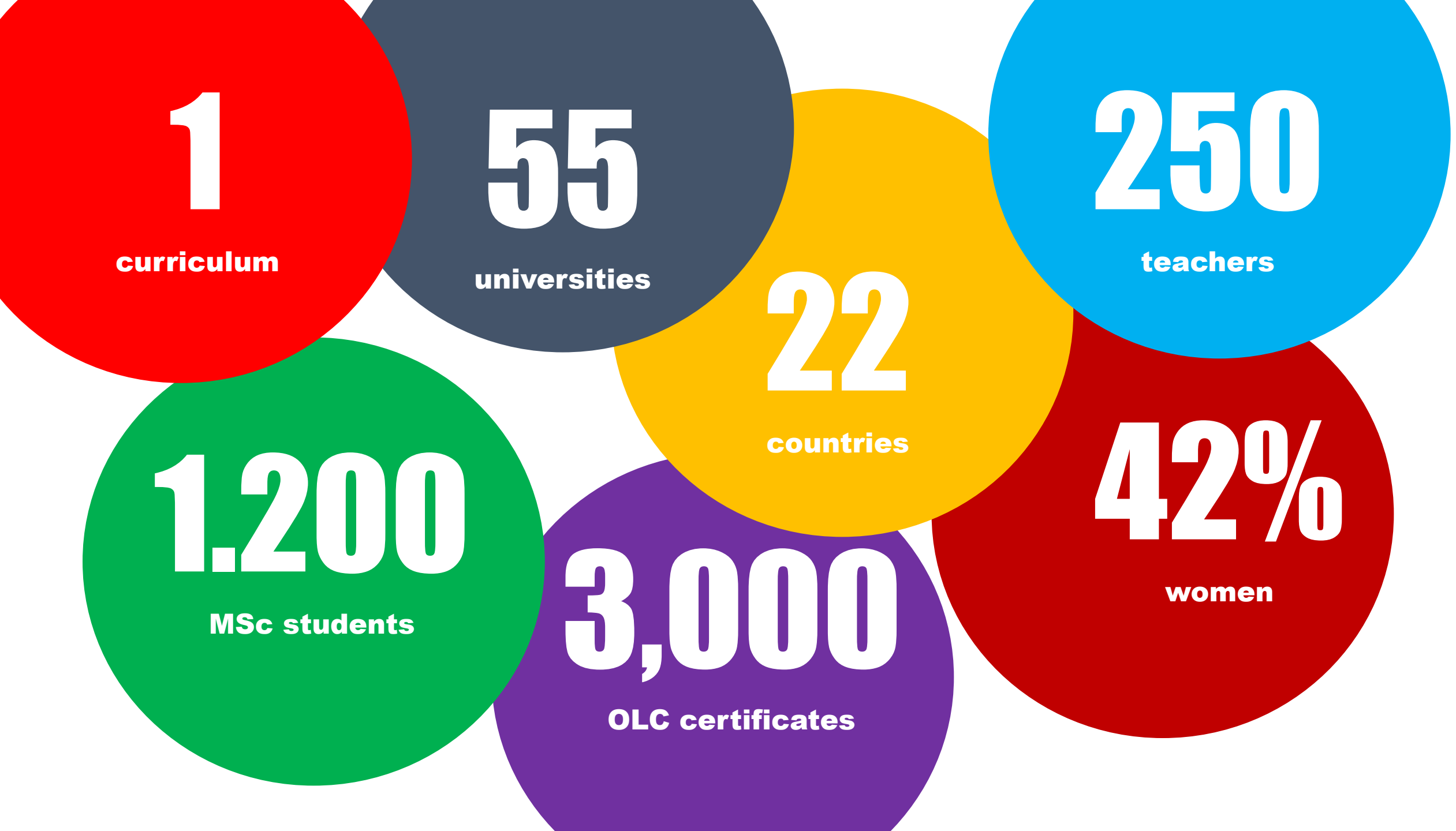
Ambition 2019-2030:

10,000+

sanitation professionals educated by

100+ academic institutions.

- Expansion partners
- Active partners


1
curriculum
55
universities
22
countries
250
teachers
1,200
MSc students
3,000
OLC certificates
42%
women

Transfer of the MSc in Sanitation program – progress update

(note: the program was launched at IHE Delft in April 2018)

Regional Hubs in Asia

		Start MSc program								
GSGS hub	Organisation	2018	2019	2020	2021	2022	2023	2024	2025	
SA hub	Asian Institute of Technology (AIT)									
	Mahidol University (MU)									
	Vishwakarma University (VU)									
	Bandung Institute of Technology (ITB)									
	Institut Teknologi Sepuluh Nopember (ITS)									
	Universitas Andalas (UA)									
	BITS Pilani Goa Campus (BITS G)									
	BITS Pilani Hyderabad Campus (BITS H)									
	BITS Pilani Pilani Campus (BITS C)									
	CEPT University									
	Jawaharlal Nehru Architecture and Fine Arts University (JNAFAU)									
	All India Institute of Local Self-Government (AIILSG)									
	Khulna University of Engineering and Technology (KUET)									
	Shahjalal University of Science and Technology (SUST)									
	Chittagong University of Engineering & Technology (CUET)									
	Kathmandu University (KU)									
	Tribhuvan University (TU)									
	Pokhara University (PU)									
	Manipal University Jaipur (MUJ)									
	Sikkim Manipal University (SMU)									
	Poornima University (PU)									
	Total	0	4	6	3	1	1	1	0	**16**

Regional Hubs in Africa

		Start MSc program								
GSGS hub	Organisation	2018	2019	2020	2021	2022	2023	2024	2025	
SSA hub	Institut International d'Ingénierie de l'Eau et de l'Environnement (2iE)									
	University of Man (UoM)									
	University of Ebolowa (UoEB)									
	Makerere University (MU)									
	Kyambogo University (KU)									
	University of Dar es Salaam (UoDS)									
	Meru University of Science and Technology (MUST)									
	Jomo Kenyatta University of Agriculture and Technology (JKUAT)									
	University of Eldoret (UoE)									
	Mzuzu University (MU)									
	Malawi University of Business and Applied Sciences (MUBAS)									
	University of Livingstonia (UoL)									
	University of KwaZulu-Natal (UKZN)									
	University of Zambia (UoZ)									
	University of Zimbabwe (UoZ)									
	Mulungushi University (MU)									
	Université Félix Houphouët-Boigny (UFHB)									
	Universite Cheikh Anta Diop (UCAD)									
	Université Jean Lorougnon Guédé (UJLoG)									
	Total	0	1	3	5	4	3	2	1	**19**

Regional Hubs in Latin America

SA hub	Universite Tecnologica del Uruguay (UTEC)									
	Total	0				1				**1**

		Start MSc program								
GSGS hub	Organisation	2018	2019	2020	2021	2022	2023	2024	2025	
SA hub	Asian Institute of Technology (AIT)									
	Mahidol University (MU)									
	Vishwakarma University (VU)									
	Bandung Institute of Technology (ITB)									
	Institut Teknologi Sepuluh Nopember (ITS)									
	Universitas Andalas (UA)									
	BITS Pilani Goa Campus (BITS G)									
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	CEPT University									
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	Tribhuvan University (TU)									
	Pokhara University (PU)									
	Manipal University Jaipur (MUJ)									
	Sikkim Manipal University (SMU)									
	Poornima University (PU)									
SSA hub	Institut International d'Ingénierie de l'Eau et de l'Environnement (2iE)									
	University of Man (UoM)									
	University of Ebolowa (UoEB)									
	Makerere University (MU)									
	Kyambogo University (KU)									
	University of Dar es Salaam (UoDS)									
	Meru University of Science and Technology (MUST)									
	Jomo Kenyatta University of Agriculture and Technology (JKUAT)									
	University of Eldoret (UoE)									
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	Mulungushi University (MU)									
	Université Félix Houphouët-Boigny (UFHB)									
	Universite Cheikh Anta Diop (UCAD)									
	Université Jean Lorougnon Guédé (UJLoG)									
SA hub	Universite Tecnologica del Uruguay (UTEC)									
HQ	IHE Delft Institute for Water Education (IHE Delft)									
	Total	0	5	9	9	6	4	3	1	37

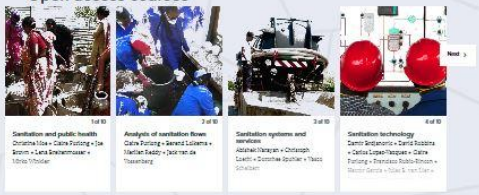
- Grant target 30
- Till today 31
- Till grant end 37
- Grant target 500 MSc students
- Till today 1,100 MSc students
- Till today 420 MSc graduates
- Till grant end > 1,000 MSc students
- Till grant end > 700 MSc graduates

Delft-based non-sewered sanitation curriculum

		On-campus course as part of the original curriculum of MSc in Sanitation program at IHE Delft	Online course version of the curriculum of MSc in Sanitation program at IHE Delft	Additional online courses recently developed at IHE Delft	Online courses currently under development
Course		https://sanitationeducation.org/mast	https://cwis.online/	https://www.un-ihe.org/education/gpdp/humanitarian-wash	
C 1	**Sanitation and public health**	●	●		
C 2	**Analysis of sanitation flows**	●	●		
C 3	**Sanitation systems and services**	●	●		
C 4	**Sanitation technology**	●	●		
C 5	**Gender and sanitation**		●		
C 6	**Behavioral change and advocacy**	●	●		
C 7	**Leadership**	●	●		
C 8	**Sanitation governance**	●	●		
C 9	**Sanitation finance**	●	●		
C 10	**Project management**	●	●		
C 11	**Emergency sanitation**	●			
C 12	**Research methods for sanitation**	●			
C 13	**Research theory and practice**	●			
C 14	**Teamwork skills development**	●			
C 15	**Resource recovery in CWIS**				●
C 16	**Sanitation best practices and innovation in sanitation**				●
C 17	**Methods for faecal sludge analysis**				●
C 18	**Governance in humanitarian contexts**			●	
C 19	**Public and environmental health in emergencies**			●	
C 20	**Water and sanitation in urban humanitarian contexts**			●	
C 21	**Building resilient systems in fragile contexts**			●	
		● Open access course			

GSGS promo video

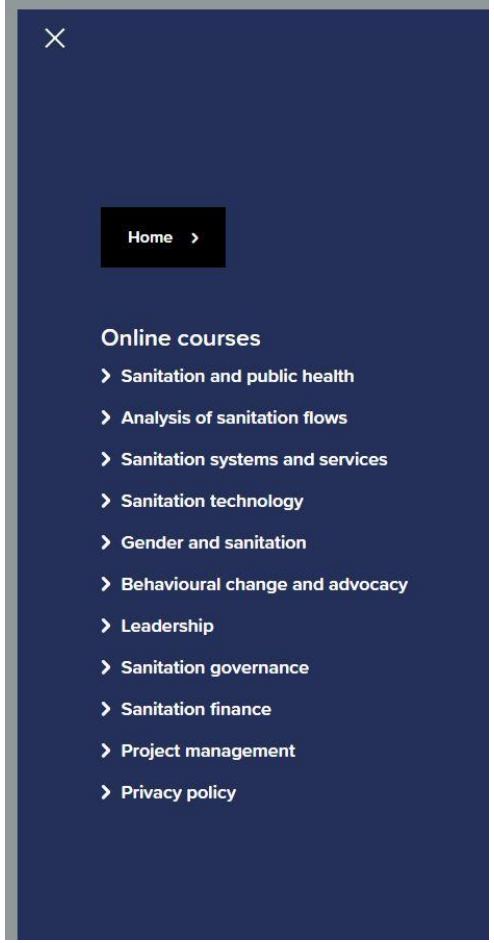
Open access courses



Find your teachers

Objectives | Activities | Assessment

Info brochure



https://cwis.online/

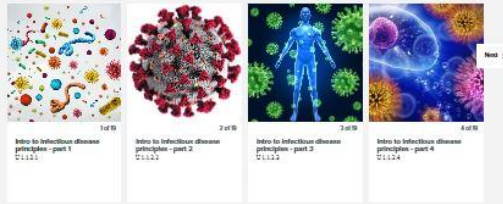
Online course (C1)

Sanitation and public health

Course introduction video

Course information

Unit 1.1 videos | Introduction to sanitation and public health



Unit 1.1 course materials | Introduction to sanitation and public health

Unit 1.2 videos | Risk evaluation techniques

Unit 1.2 course materials | Risk evaluation techniques

Unit 1.3 videos | Effectiveness of sanitation interventions

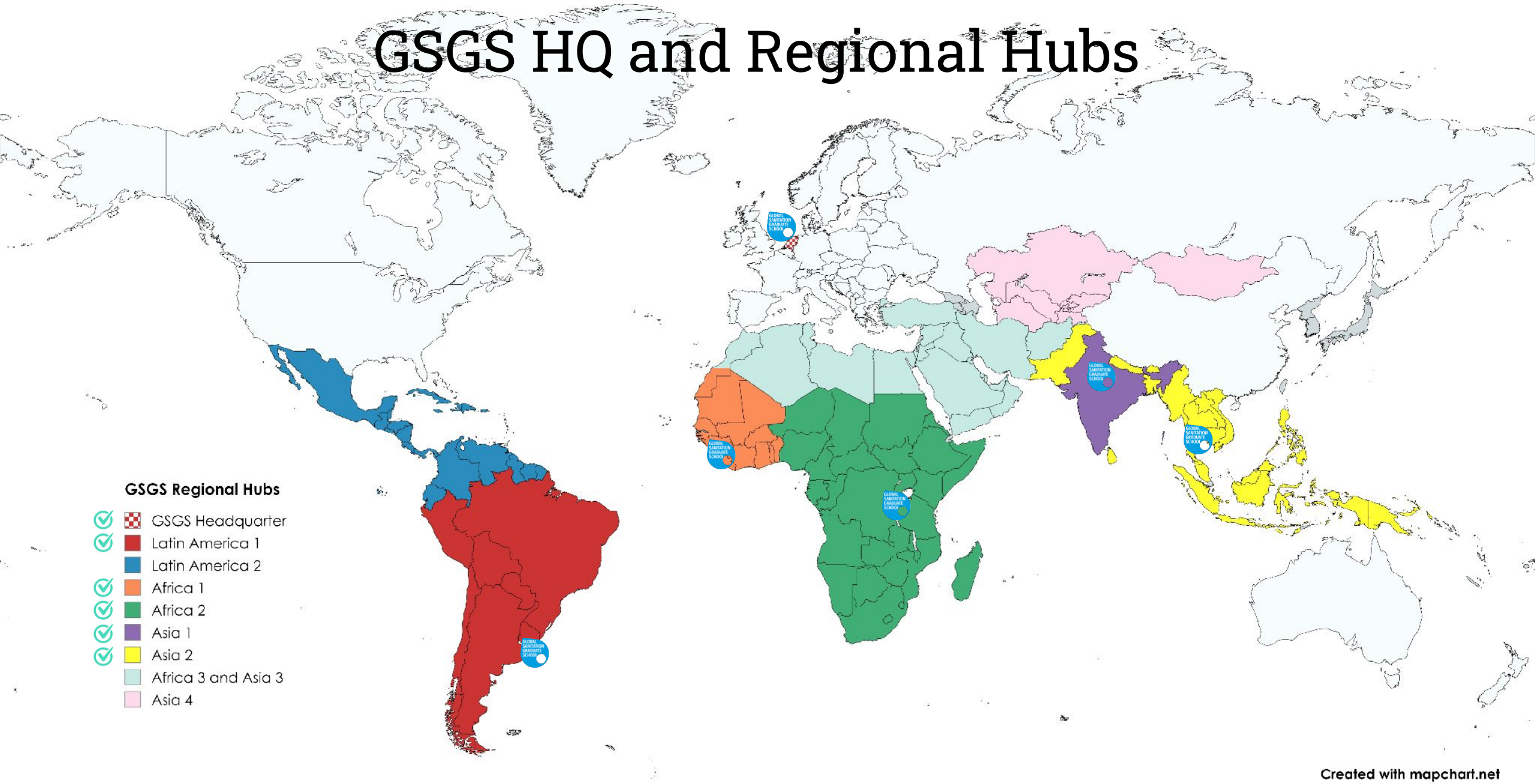
Unit 1.3 course materials | Effectiveness of sanitation interventions

Download full package

Sanitation and public health (0.2 MB)

Course teachers

GSGS HQ and Regional Hubs



Regional Hubs current membership

	AFRICA 1		
1	Institut International d'Ingénierie de l'Eau et de l'Environnement	Burkina Faso	Member
2	Université Félix Houphouët-Boigny	Ivory Coast	Member
3	Université Jean Lorougnon Guédé	Ivory Coast	Member
4	Université de Man	Ivory Coast	Member
5	Universite Cheikh Anta Diop	Senegal	Member
6	University of Ebolowa	Cameroon	Member

Regional Hubs current membership

	AFRICA 2		
1	Meru University of Science and Technology	Kenya	Member
2	University of Zambia	Zambia	Member
3	University of Eldoret	Kenya	Member
4	University of Dar es Salaam	Tanzania	Member
5	Mzuzu University	Malawi	Member
6	Malawi University of Business and Applied Sciences	Malawi	Member
7	University of Livingstonia	Malawi	Member
8	Kyambogo University	Uganda	Member
9	Makerere University	Uganda	Member
10	Jomo Kenyatta University of Agriculture and Technology	Kenya	Member
11	University of Zimbabwe	Zimbabwe	Member
12	Mulungushi University	Zambia	Member
13	University of KwaZulu-Natal	South Africa	Member
14	National Water and Sewerage Corporation	Uganda	Expansion member
15	Centre for Water and Sanitation Studies	Nigeria	Expansion member
16	Institute for Water and Sanitation Development	Zimbabwe	Expansion member
17	Water Institute of the Ministry of Tanzania	Tanzania	Expansion member
18	Wollo University	Ethiopia	Expansion member
19	Bahir Dar University	Ethiopia	Expansion member
20	Copperbell University	Zambia	Expansion member
21	Chinhoyi University	Zimbabwe	Expansion member

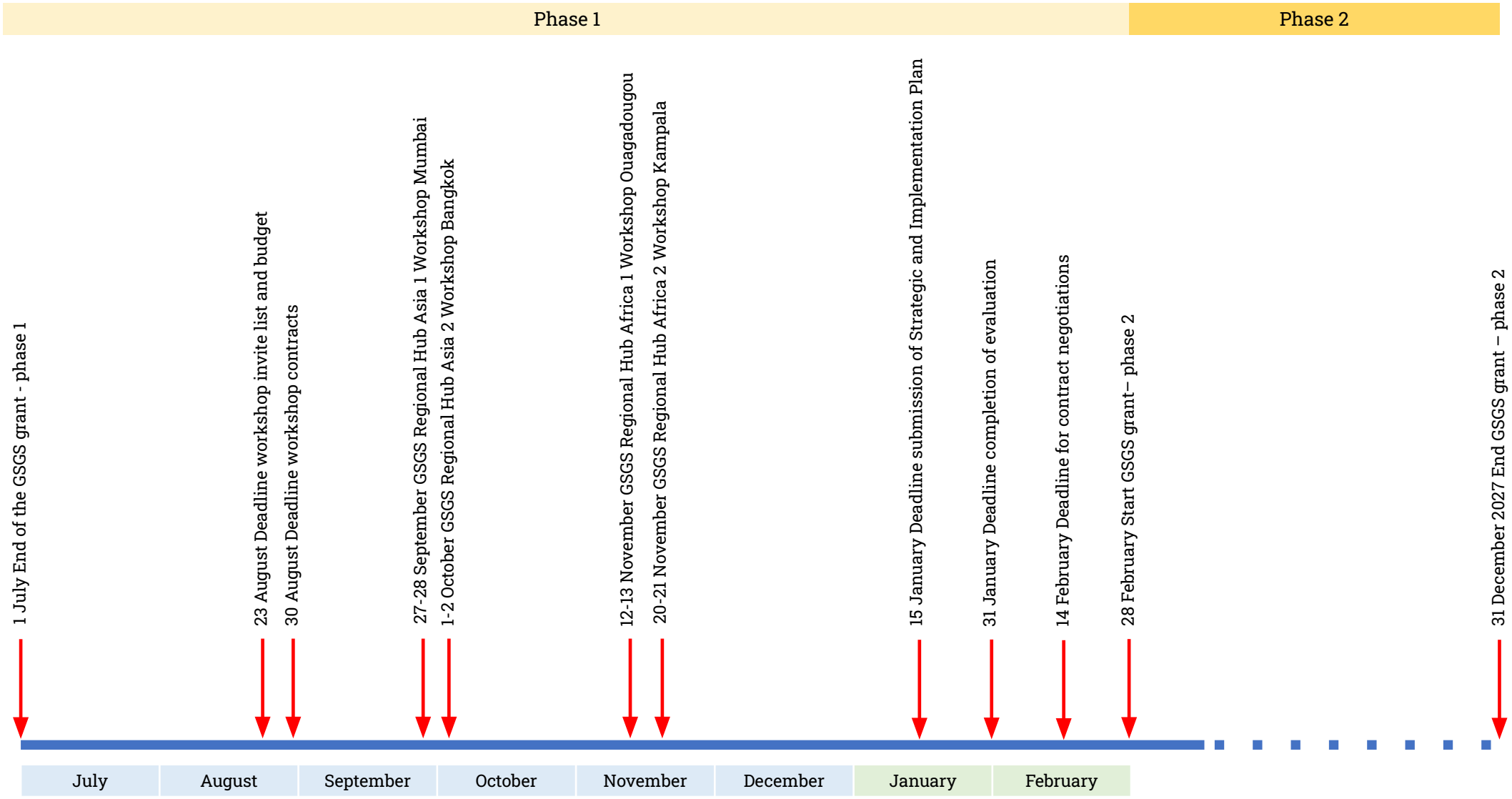
Regional Hubs current membership

	ASIA 1		
1	CEPT University	India	Member
2	BITS Pilani Goa Campus	India	Member
3	BITS Pilani Hyderabad Campus	India	Member
4	BITS Pilani Pilani Campus	India	Member
5	Jawaharlal Nehru Architecture and Fine Arts University	India	Member
6	All India Institute of Local Self-Government	India	Member
7	Sikkim Manipal Institute of Technology	India	Member
8	Poornima University	India	Member
9	Vishwakarma University	India	Member
10	Manipal University Jaipur	India	Member
11	Dasra	India	Expansion member
12	Pune University	India	Expansion member
13	Unity I E World	India	Expansion member
14	Administrative staff College of India	India	Expansion member
15	IIT Roorke	India	Expansion member

Regional Hubs current membership

	ASIA 2		
1	Khulna University of Engineering and Technology	Bangladesh	Member
2	Kathmandu University	Nepal	Member
3	Tribhuvan University	Nepal	Member
4	Pokhara University	Nepal	Member
5	Shahjalal University of Science and Technology	Bangladesh	Member
6	Chittagong University of Engineering & Technology	Bangladesh	Member
7	Bandung Institute of Technology	Indonesia	Member
8	Asian Institute of Technology	Thailand	Member
9	Institut Teknologi Sepuluh Nopember	Indonesia	Member
10	Universitas Andalas	Indonesia	Member
11	Mahidol University	Thailand	Member
12	Institute of Engineering of Tribuhvan University Purwanchal	Nepal	Expansion member
13	ITN-BUET Centre for Water Supply, Sanitation and Waste Management	Bangladesh	Expansion member

Regional Hubs timeline



Responsibilities of a GSGS Regional Hub – Phase 1 - till 28 February 2025

Mode of engagement	Activities	Deliverables	Deadline	Comment
Preparations and execution of GSGS Regional Hub workshop (location and date, e.g. Mombai, India, 27 and 28 September 2024)	• Liaise with IHE Delft and Dasra • Shape the strategy and implementation plan contours • Draft the common agenda for the workshop • Design the content with engaging activities, outcomes and outputs. • Prepare the invitation list for each workshop. • Organize all the logistics for the workshop including travel arrangements, accommodation for participants, catering, venue, local transport, two social dinners, invitation letters, and meetings. • Lead and facilitate the workshop. • Manage all finances regarding this workshop. • Prepare financial report as per requirements of the contract. • Prepare a short report on the workshop to IHE Delft.	• Workshop prepared and implemented • Workshop report	30 November 2024	• Role and responsibilities of the GSGS Regional Hub members: While it is important to communicate and chalk out the roles of responsibilities of each partner including GSGS Regional Hub lead institution, it would be crucial to ensure that partners periodically align and see value in the contribution by each member and deliver on the objectives of the hub. • Delivery on timelines: Ensuring alignment on common goals and objectives requires consistent efforts from all partners which requires time and commitment from partners.
Preparation of Strategic and Implementation Plan	• Liaise with IHE Delft and Dasra. • Ensure the common content, agreed during the workshop, of the Strategy and Implementation Plan is in place • Draft the Strategy and Implementation Plan. • Ensure that all the aspects of the GSGS Regional Hub's roles and responsibilities (as agreed during the workshop) are properly addressed in the Strategy and Implementation Plan. • Lead and prepare the budget for Strategy and Implementation Plan, including the part to be financed by the GSGS grant – Phase 2 – February 2025 till February 2028. • Ensure that Strategy and Implementation Plan has embodied all necessary indicators for IHE Delft to monitor the implementation of the strategy and the plan during the grant period. • Make sure that the Strategy and Implementation Plans are complete and submitted in time to IHE Delft for evaluation.	• Strategy and Implementation Plans prepared and submitted	15 January 2025	
Preparing and signing the contract for the Phase 2	• Negotiate contract between IHE Delft and the GSGS Regional Hub lead institution. • Sign the contract between IHE Delft and the GSGS Regional Hub lead institution.	• Signed contract Phase 2	28 February 2025	

Regional Hub functions and responsibilities – Phase 2

1. Strategy development
2. Operationalization and implementation
3. Hub governance, members' engagement, roles and responsibilities
4. Membership diversification and multi-disciplinary approach
5. Marketing, communication, amplification, and hub-to-hub learning
6. Integration on learnings on CWIS in the GSGS curricula
7. Impact measurement and alumni engagement
8. Sustainability, including financial
9. Liaison with the GSGS HQ at IHE Delft

www.sanitationeductaion.org