

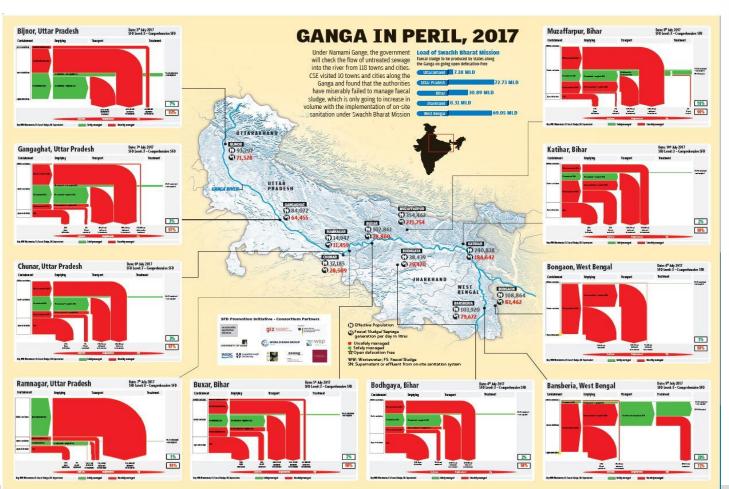
Journey of SFD in Uttar Pradesh
SARIM
CSE



Genesis



CSE did capacity building of ULBs for developing CSPs of ten small and medium cities in Ganga Basin. CSE in collaboration with the ULBs developed SFDs at the very initial stage of development of CSPs. 4 cities of UP (Bijnor, Chunar, Gangaghat and Ramnagar) were chosen.



SFD Promotion Initiative - Consortium Partners























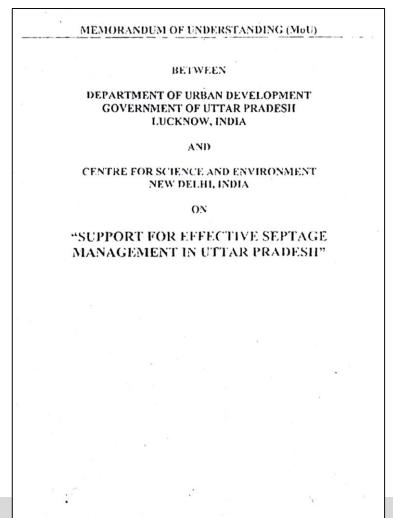


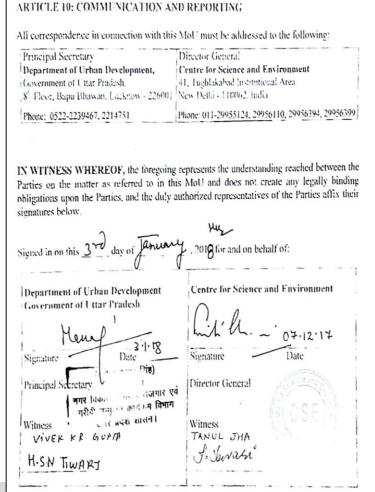


Catalyst



Strengthen capacities of UP state and city officials to implement city wide effective Fecal Sludge and Septage Management (FSSM)





CSE - DoUD,

- MoU

Jan 2018

Milestones in Uttar Pradesh's journey towards effective FSSM

MOU Signed between CSE and DoUD U.P.

Jan 2018

Attended by 20 officials from Uttar Pradesh Jal Nigam (UPJN), Municipal Engineers, Jal Kal, **SMCG**



May 2018

Training Programme on Effective FSSM for Mainstreaming Citywide **Sanitation**

State workshop on 'planning and implementing effective septage management'

Oct 2018



Sensitization of State Officials on the need for effective FSSM in the state

Key Note Speakers: Shri Manoj Kumar Singh, Principal Secretary, DOUD; Ms. Sunita Narian, DG, CSE; Shri G S Priyadarshi, SMD, AMRUT; Madhu Krishna, Country Lead, BMGF. Launch of CSE's study of "Managing Septage in 30 Cities of Uttar Pradesh' and online tools "MOUNT and "SANIKIT"



Training was attended by Engineers and PMU staff from UP (UPJN, PDMC, AMRUT, SMCG).

Exposure Visit to Odisha by 17 officials from UP. Key Resource Persons: Mr P K Mohapatra, Project Director, OWSSB; Mr Sarith Sasidharan (E&Y TSU); Mr K C Rao (former IWMI); Ms Upasana Yadav (CEPT University); Tide technocrats

Field Visit to FSTP in Bhubaneswar & Co-Treatment of FS in Puri



Dec 2018

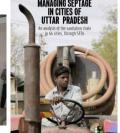
Training cum **Exposure Visit** to Odisha

SEPTAGE II CITIES O

International Knowledge **Conclave: SFD** Week'

April 2019





SFD Week

Designing and Implementing Affordable and Sustainable Citywide Sanitation for all

18 officials from Uttar Pradesh participated which included engineers from UPJN, Municipal Commissioner / Executive Officers from ULBs and PMU / Advisors from the state.

Release of CSE's study of Assessment of Excreta Management in 66 Cities in U.P.



Feb 2019

NMCG approves funding & implementation for pilot FSTP in Chunar based on DPR submitted





Draft

Guidelines for

FSSM in Uttar

Pradesh

Feb 2018

May 2018

PSU Office set-up in

Gomti Nagar Lucknow with team to member support the state

22 engineers and advisors from Uttar Pradesh Jal Nigam, Urban Local Bodies, National Mission for Clean Ganga attended the training. Exposure visit to FSTP in Bhubaneswar and Co-treatment unit in Puri, Odisha



July 2019

Advanced Training cum exposure visit on Planning and Designing for FSS



Uttar Pradesh issued **State Septage Management Policy**vide govt. order dated 30.10.19

Oct 2019

State Septage Management Policy Tender for 31
FSTPs and 21
Co-treatment
floated under
AMRUT

Dec 2019

Advocacy around FSSM using SFDs-66 town report and Cotreatment report triggered govt. to take the step

Assessment of 21 priority Ganga towns through SFDs

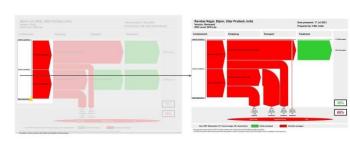


Nov 2020

Managing Septage in Ganga Cities Mapping inequities in select focus towns

2022

Study on inequities within cities done using SFD





CSE-PSU team presented its Draft Report on Mainstreaming Co-Treatment of Faecal Sludge in STPs across UP and Ganga Basin for abatement of river pollution. State agreed for pilot Co-Treatment in 4 to 5 locations.

State Level

Consultative

Meeting for Co-

Treatment of FSS

in STPs

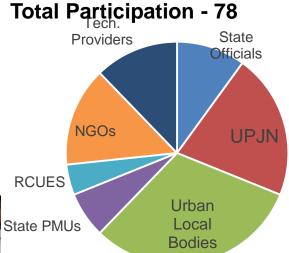
Aug 2019

State Workshop FSSM in Lucknow Oct'18









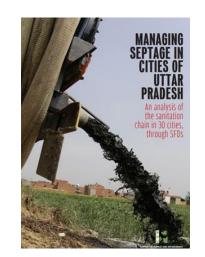
Key Note Speakers

Shri Manoj Kumar Singh	PS, DoUD
Ms Sunita Narain	DG, CSE
Shri G S Priyadarshi	SMD, AMRUT
Ms Madhu Krishna	Country Lead, BMGF









Launch of Reports & Tools

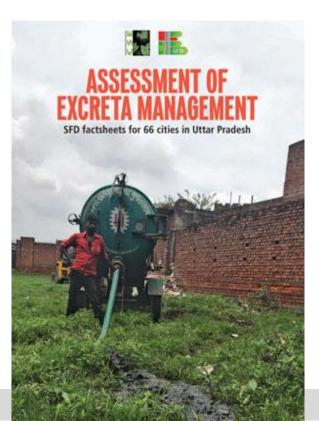


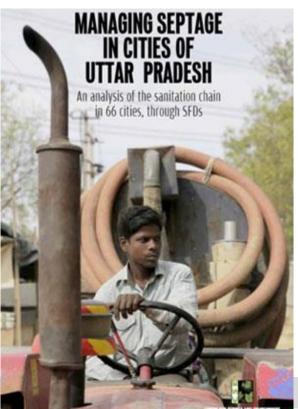


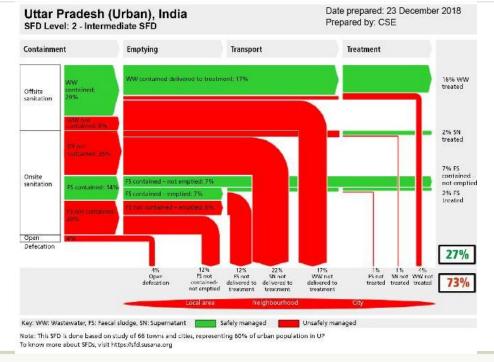
Assessment of Excreta Management 66 Cities in U.P.



To understand the gaps in sanitation across Ganga basin, Shit Flow Diagram for 66 major cities in the state of Uttar Pradesh are developed







Septic tank effluent

of the population is

(overflow) of

More than

60%

of the total population is dependent on onsite sanitation systems like septic tank and pit latrine. Out of which, the excreta of 4% of the population is treated

More than 80% of the sewerage network in state is found in 7 cities (out of 635)

Sanitation provision through sewer system increases with the increase in population of cities

Excreta of of the population is discharged directly in open drains

4% of the population still defecates in the open

29% of the population is connected to sewerage network. discharged in open drains, Of which, sewage of which, 2% is treated by of 16% of the tapping of nullahs and drains population is treated

Excreta of of the total population is safely managed. 7% of which is safely stored in containment systems

No city is

^{*}This study is done based on data collected by CSE in October, 2018

International Knowledge Conclave: SFD Week (April'19)





Key Note Speakers:

- Durga Shankar Mishra, Sec, MoHUA
- Rajiv Ranjan Mishra, DG, NMCG
- Kala Vairavamoorthy, ED, IWA
- Dhesigen Naidoo, CEO, WRC
- Stefan Reuters, Director, BORDA
- Arne Panesar, Head of Prog.,GIZ
- Madhu Krishna, Country Lead, BMGF
- Sunita Narain, DG, CSE



ULB

SMCG





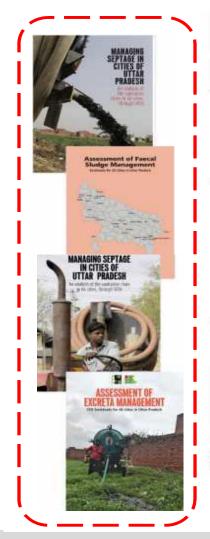
Experts from
Water Research Commission
(S. A.), Columbia University
(USA), Lancaster University
(U.K),
IIT Kharagpur as well as
practitioners from Ghana,
Senegal, South Africa, USA &

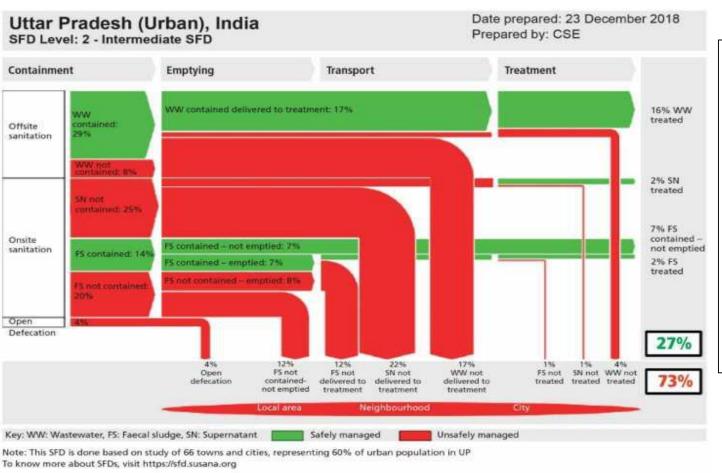
Malaysia





SFD of Urban Uttar Pradesh





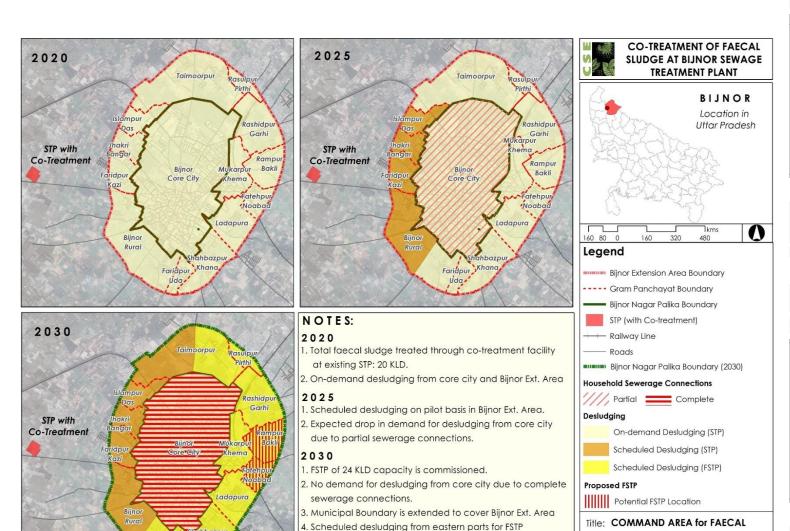
UP got limelight
of the
international
audience and
prompted state
officials to take
up FSSM
initiatives in UP

CSE's analysis reports released by PS UD at State Workshop & by the Secretary MoHUA and DG NMCG at SFD Week

As a Planning & Monitoring TOOL



Prepared by: CSE, India



5. Scheduled desludging from western parts for co-treatment

- 20 KLD in co-treatment facility | 24 KLD in FSTP

6. Total faecal sluge treated: 44 KLD

Faridpur



The SFD Promotion Initiative recommends preparation of a report on the city context, the analysis carried out and data sources used to produce this graphi Full details on how to create an SFD Report are available at: sfd.susana.org

Bijnor (vn 2017), Uttar Pradesh, India

SFD Level: 3 Comprehensive SFD

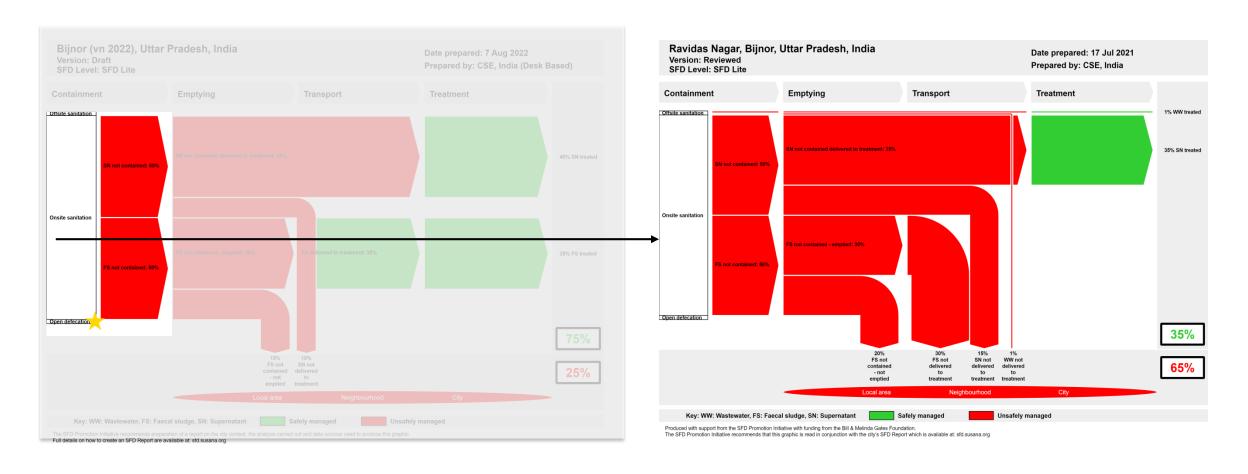
SLUDGE TREATEMENT FACILITIES: 2020-30

11/2 2 21/2

__ kms

MAPPING (IN)EQUITY in class I & II towns





Learnings



SFD was used understanding the following in Uttar Pradesh:

- Advocating and pushing FSSM/DEWATs in the state through reports/workshops
- ✓ Enlightening city officials about the sanitation status of the town
- ✓ As a monitoring tool to assess the sanitation situation (before and after)
- ✓ As a baseline for advocating developing CSPs of towns
- ✓ As a baseline for pre-assessment/feasibility studies in a town
- ✓ Filling data in MOUNT collected during the field visits