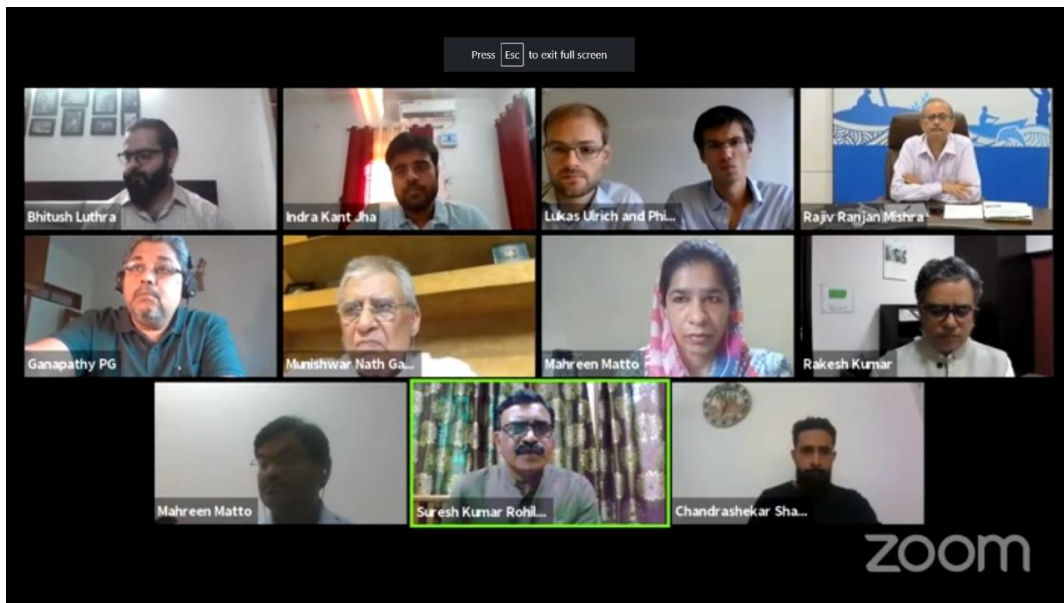


Proceedings of Webinar

School of Water and Waste, CSE in collaboration with Namami Gange and Swachh Bharat Mission (Urban) successfully organized a webinar on “Decentralized Wastewater Treatment and Local Reuse for Citywide Sanitation and Improved River Health”. The webinar attracted more than 1800 registrants from 50 countries across the world, with around 800 attended and more than 12 lakhs viewers through live streaming at different CSE social media platforms.



Dr Mahreen Matto kickstarted the webinar with introducing the speakers and the agenda of the webinar. Further Dr Suresh Kumar Rohilla described about CSE and Water Programme, emphasizing that CSE has been involved in the area of decentralized wastewater management for more than 3 decades and in the past one decade has sensitized/capacitated more than 3000 practitioners across India, South Asia and Africa with more than 10 pilot projects successfully implemented. Further he along with Mr Bhitush Luthra explained about the web-based tool called MOUNT comprising of various case studies in the area of non-sewered sanitation along with the importance of Operation and Maintenance of the decentralized technologies.

The Chief Guest for the webinar was Mr Rajeev Ranjan Mishra, Director General at NMCG who launched the MOUNT 2.0 and an O&M handbook for DWWTs. Mr Mishra in his keynote address emphasized the key issues and the challenges with the centralized STPs and the need of decentralized systems in the current situations. He said that only installing the STPs and setting up the infrastructure does not give a complete solution. Operations and maintenance also plays an important role to maintain the sustainability of the systems.

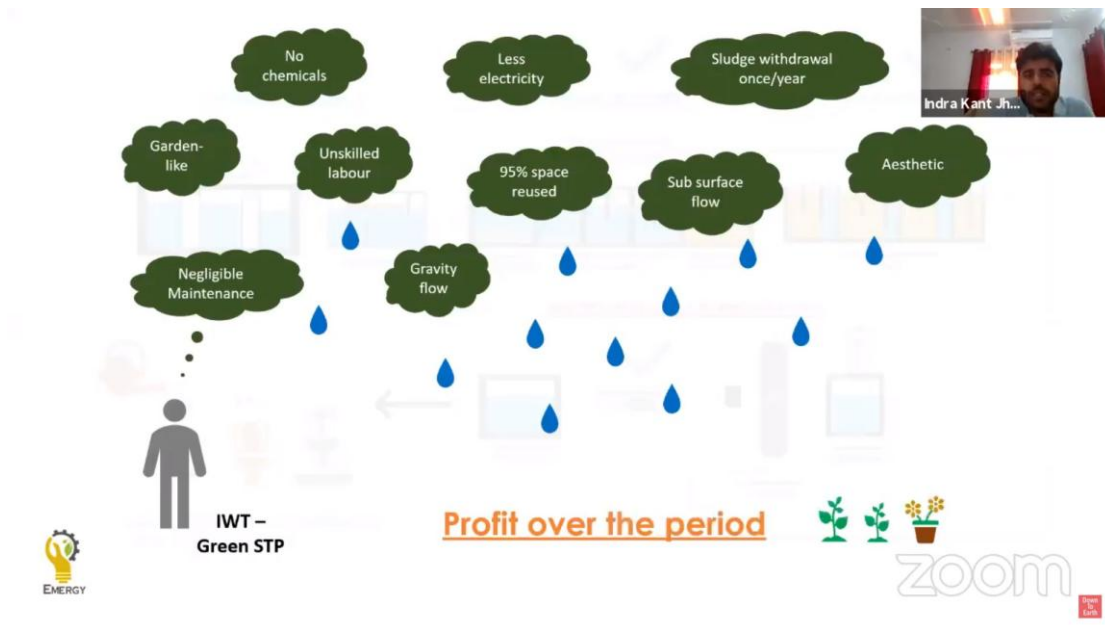


Further, eminent speakers from different organizations viz. NEERI, Vision Earthcare Pvt. Ltd., CDD Society, Emrgy Enviro, presented their work in the area of integrated urban water management consisting of different sustainable decentralized technologies accompanied with successful case studies.

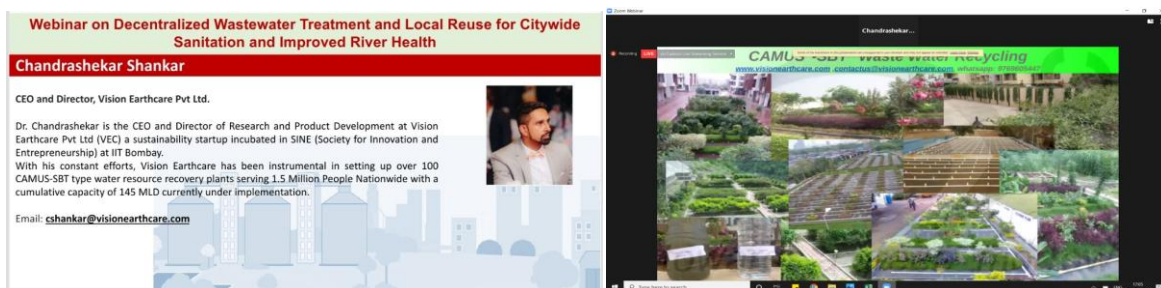
Dr Rakesh Kumar from NEERI described the importance of the decentralized systems and explained how it helps in improving river health. He showcased many examples from different states of India where NEERI has implemented the sustainable Phytorid technology projects. He also emphasized the role of the NEERI during Kumbh Mela.



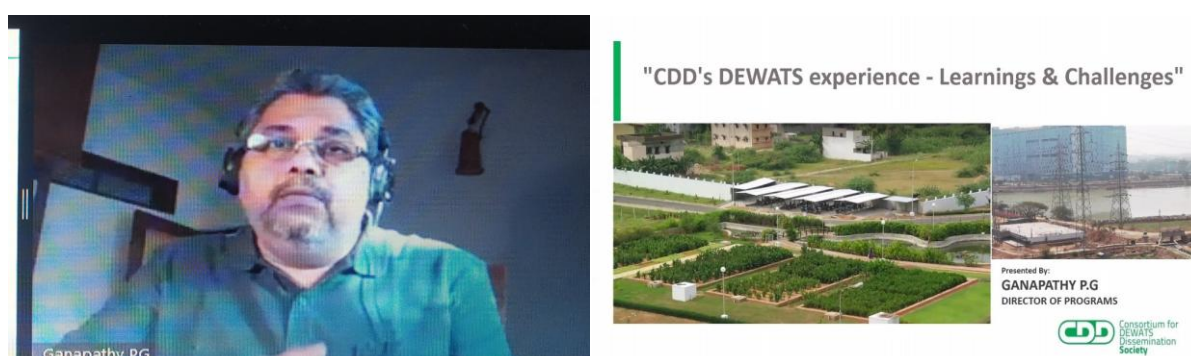
Mr Indra Kant Jha from Emrgy Enviro shared his experience of implementing series of projects based on an innovative technology called Integrated Wetland Technology (IWT) developed by IIT Bombay under SINE initiative. He showcased the example of Lonawala Municipal Corporation and explained how they come up with an interesting wastewater reuse model with low footprints.



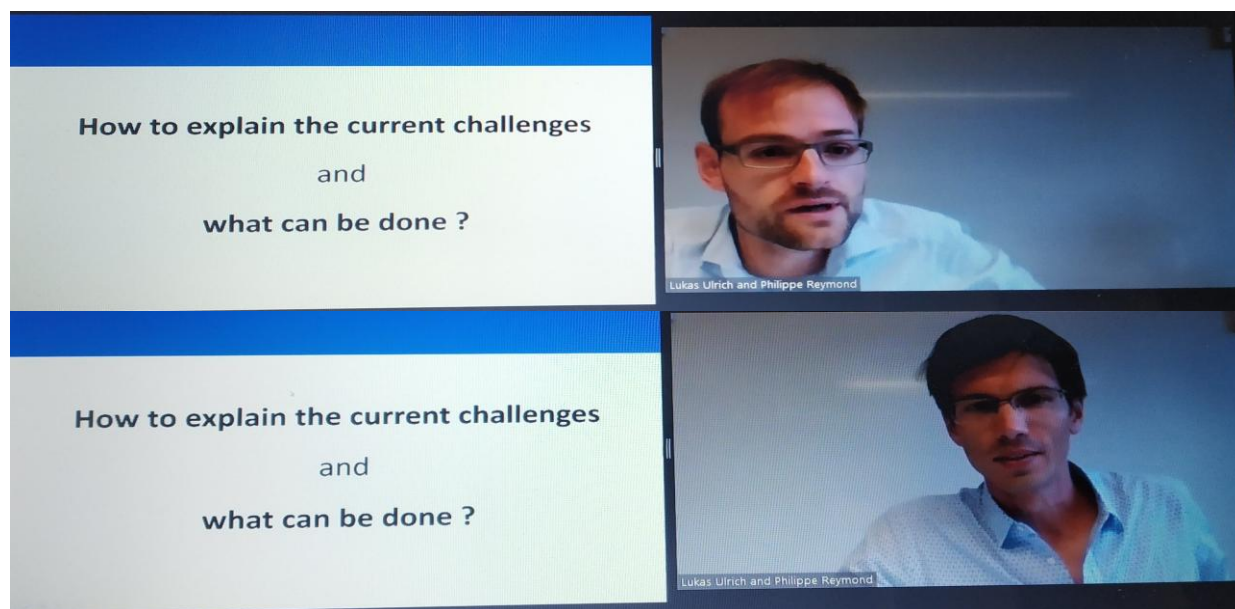
Mr. Chandrashekar Shankar, Director and CEO at Vision Earthcare Pvt. Ltd. explained how their organization turned up this critical pandemic time into opportunity and developed some interesting projects like “Peacock Ecocity Urban Design” to help in achieving the sustainable urban development. He also explained about the patented technology called CAMUS-SBT which was developed by IIT Bombay and showcased some good examples from different regions.



Mr Ganapathi PG, Director of Programmes at CDD Society described the work of CDD Society in the area of integrated wastewater management and water body rejuvenation. He emphasized the key issues and challenges in implementing the DEWATs and also gave insights on the sustainability of the DEWAT system by showcasing the different case examples. Mr Ganapathy said that the project area is no longer the constraints with DEWATs because DEWATs can be implemented without Planted Gravel Filter also by incorporating the Vortex, Activated Carbon Filter & Sand Carbon Filter etc. Further he discussed about CDD’s research activities in the areas of integrated urban water management.



Mr. Lukas Ulrich and Mr Phillippe Reymond explained the governance structure for small scale STPs and shared insights on the findings of the 4S project funded by Eawag and BMGF. They shared a complete strategy of setting up the role and responsibilities for different stakeholders involved in the governing body. Also, described how one can identify the loopholes in the governance structure and established the priority actions required.



From the discussants Mr RS Tyagi, Former member at Delhi Jal Board and Mr MN Ashish Ganju, Principal Architect at GREHA shared their views on the sustainability of the different technologies presented in the webinar and also shared the case studies of DJB and Ayanagar, respectively. Mr Tyagi shared insights on paradigm shift from centralized wastewater treatment systems to decentralized solutions. He also emphasized on the governance policies, advisories & manuals released by Delhi Jal Board. Mr. MN Ashish Ganju from GREHA explained the story of Ayanagar (an urban slum in Delhi), how they (along with CSE) come up with a solution to improve sanitation situations in the area by using a combination of approaches and technologies ranging from Biodigester, small bore system and reedbed. He also emphasized on community mobilization.



Webinar ended with an interesting Q&A session and a vote of thanks by Dr Suresh Rohilla.