

UN WATER
 19 November
WORLD TOILET DAY



SANIVATION 2017



Jointly Organized By :



Media Partner:



Supported By:



Knowledge Partner:



Message



Congratulations to the Ecosan Services Foundation's Team for the Sanitation Celebration for November 19th 2017, World Toilet Day.

You are doing a noble act for the health and dignity of all.

Success to Swachh Bharat and all SaniPrenueurs!

Cheers, ▼

Jack Sim
Founder,
World Toilet Organization



Organizers



www.ecosanservices.org

+91 (020) 24530061

ecosan@ecosanservices.org

Ecosan Services Foundation (ESF) is a section 8 non-profit organisation established in 2006 with the support of the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and seecon international and in association with the Innovative Ecological Sanitation Network of India (IESNI). ESF envisions transforming itself into a sustainable key resource centre as a leading knowledge hub in sustainable sanitation and water management. Ecosan Services Foundation has emerged as a huge knowledge resource in the field of ecological sanitation and water & wastewater management. Over the years, the company has been reputed with extensive experience of capacity development, stakeholder involvement, policy building, awareness raising, project implementation and consulting on issues related to water management and sustainable sanitation. ESF promulgates capacity building and training modules of stakeholders while providing specialized cost effective technical engineering solutions.



Rotary International District 3131

www.rotary3131.org

On 1st July 2008 Rotary District 3131 was formed by bifurcation of Rotary District 3130. Rotary District 3131 comprises of the Rotary clubs in the revenue districts of Pune and Raigad in the state of Maharashtra, India. The Rotary District 3130 itself had been carved out of Rotary District 313 in Rotary year 1981-82.

Table of Contents

Committees	5
Background.....	6
Objective of two Day Program	6
Agenda	7
Day 1: 18th November, 2017, Pune	9
Inaugural Session	9
Panel Discussion Session	10
Panel Discussion 1: Need of Integrated Wastewater Management	10
Panel Discussion 2: Peoples & NGO's role in Maintaining Public Sanitation Facilities	11
Wash in Schools (WinS) Session.....	12
Paper presentations	13
Paper Presentation Session.....	14
SuSanA India Chapter Seminar: Towards ODF+ Urban Maharashtra Pune	15
Day 2: 19 th November 2017: World Toilet Day.....	17
Urgent Run Event	17
Panel Discussion	19
Panel Discussion 3: Start-ups in Sanitation Sector	19
Udyama	20
Business Plan Session	21
Joint Session Pune Municipal Corporation (PMC) and Toilet Board Coalition (TBC) 22	
Prize Distribution and Valedictory	23

Committees

Organizing Committee

Dayanand Panse	Director, Ecosan Services Foundation
Rtn Subhash Gujar	WinS Member 2017-18
Rajendra Khire	Former President Rotary Pashan Club
Rtn. Hema Bellad	WinS Member 2017-18
Saurabh Kale	Sr. Project Manager, Ecosan Services Foudnation
Pallavi Deshmukh	Project Manager, Ecosan Services Foundation

Scientific Committee

Rtn.Abhay Gadgil	District Governor 2017-18
Rtn. Pramod Bakre	Chairman WinS 2017-18
Dayanand Panse	Director, Ecosan Services Foundation
Sreevidya Satish	Sr. WASH Consultant
Dhawal Patil	General Manager, Ecosan Services Foundation
Rtn. Rashmi Kulkarni	Director WINS 2017-18

SANIVATION'2017

Background

World Toilet Organization was founded by Jack Sim on **19th November 2001**, and its founding day was declared as World Toilet Day in 2013 by United Nations General Assembly. A day to take action and raise awareness of the people around the world who do not have access to a clean and safe toilet. To draw attention on global sanitation crisis and serving the purpose of humanities most basic right of having toilets.

Every year, the UN declares a theme for World Toilet Day. Some previous themes include Better Sanitation for Better Nutrition and Toilets for Dignity and Equality, Toilets and Jobs etc. The global theme for World Toilet Day 2017 was **“Wastewater”**.

The event SANIVATION'2017 was organised this year on 18th & 19th November 2017, on the occasion of World Toilet Day. The event is jointly organized by **Ecosan Services Foundation** and **Rotary International District 3131 in Pune**.

Objective of two Day Program

- 💧 To draw attention to the sanitation crisis in India and create awareness among the masses.
- 💧 To create curiosity and interest among the youth to start up their career in sanitation sector.
- 💧 Platform for young minds to showcase their innovation in sanitation.

Agenda

Day 1 November 18th, 2017		
8.30 am-9.30 am	Registration	
9.30 am-10.30 am	Inaugural Ceremony	Guest of Honour Ms. Mukta Tilak, Mayor, PMC, Pune Dr. Nitin Karmalkar, Vice Chancellor, SPPU Dr. Uday Tekale, State Mission Director, Swachh Maharashtra Mission Mr. Kunal Kumar, Municipal Commissioner, PMC Mr. Kiran Gitte, Metropolitan Commissioner, PMRDA Mrs. Perna Deshbhratar, Additional Municipal Commissioner, PMC Mr. Yusuf Kabir, Program Specialist, UNICEF Dr. Rajesh Gupta, President, IWWA Mr. H.D.Gandhe, State Regional office, Pune II Rtn. Abhay Gadgil, District Governor, R.I. Dist 3131 Mr. Vinay Kulkarni, WinS Coordinator West-zone, RI Mr. Dayanand Panse. Director ESF.
10.30 am-11.45 am	Panel Discussion-1: Need of Integrated Wastewater Management	Dr. Suresh Kulkarni, Secretary, Maharashtra Water Resource Authority, Mumbai (Chairman) Mr. Vidyanand Ranade, Retd. Secretary Irrigation GoM Dr. R. V. Saraf, Chairman, Viraj Envirozing India Pvt. Ltd Dr. Vishwanath S, Director, Biome Ms. Sayali Joshi, CEO, Shrishti Eco-Research Institute Mr. Prashant Mahagoakar
11.45 am-12.00noon	TEA BREAK	
12.00noon-1.15 pm	Panel Discussion-2: People and NGO,s role in maintaining public sanitation facilities	Mr. Yusuf Kabir, Program Specialist, Water Supply, Sanitation and Hygiene at UNICEF (Chairman) Ms. Shweta Shalini, Entrepreneur & Social Activist Mr. Nitya Jacob, Coordinator, SuSanA India Ms. Rashmi Shirhatti, Shelter Associates Ms Shipra Saxena, India Sanitation Coalition Mr. Arwa Bharmal, Research Associate, PAS Project, CEPT University Mr. Pradeep Rawat, Former Member of Parliament, Gol
1.15 pm-2:30 pm	LUNCH	
2.30 pm-4.00 pm	Wash in Schools Session	
4.00 pm-4.15 pm	TEA BREAK	
4.15 pm-5.30 pm	Paper Presentation Session	Mr. Dayanand Panse (Chairman) Presenters Ms. Krithika Delhiraja Dr. Rahul Karale Mr. Satyajit Mittal Ms. Padmapriya T. S. Mr. Mrunal Meshram
Day 2 November 19th, 2017		
7.00 am-9.00 am	"URGENT RUN"	

10.00 am–11.00 am	Session: Start-ups in Sanitation Sector	Mr. Rajeev Kher, 3S India Prof. J. V. Deshmukh, JSPM College of Engineering, Pune Mr. Naresh Kewalramani, Nag Magic
	Business Plan Session	Presenters 1. Ms. Anu Rachel Thomas (Udyama) 2. Mr. Amit Kothari (Udyama) 3. Mr. Yash Malwadkar (Udyama) 4. Ms. Meesha Tandon (Sanrachana)
11.00 am–11.15 am	TEA BREAK	
11.15 am–12.15 pm	Joint Session Pune Municipal Corporation (PMC) and Toilet Board Coalition (TBC) “The Sanitation Economy - a multibillion dollar market in India”	
12.15 pm-1.15 pm	Prize Distribution & Valedictory	Shri. Kunal Kumar, Municipal Commissioner, PMC Rtn. Abhay Gadgil, District Governor, R.I. Dist 3131 Rtn. Vinay Kulkarni, Chairman, WinS Coordinator West-zone, R.I. Mr. Dayanand Panse, Director ESF Rtn. Promad Bakre, Chairman WinS, Dist 3131 Rtn. Rashmi Kulkarni, Director WinS, Dist 3131
1.15 pm onwards	LUNCH	

Day 1: 18th November, 2017, Pune

Inaugural Session

The one and a half day SANIVATION'2017 event which was organised on behalf of World Toilet Day started with an inaugural function by the hands of Honourable, Mayor Mrs. Mukta Tilak, Pune Municipal Corporation, Dr. Nitin Karmalkar, Vice Chancellor, Savitribai Phule Pune University, Mr. Yusuf Kabir, Program Specialist, UNICEF, Rtn. Abhay Gadgil, District Governor, RI 3131, Mr. Dayanand Panse, Director, Ecosan Services Foundation and many more eminent personalities who shared their views on the current sanitation conditions and how the challenges can be overcome.

Speaking at the inaugural function of SANIVATION'2017 Honourable Mayor Mukta Tilak said that India needs trained people to manage public toilets. She also informed that PMC plans to build 11 sewage treatment plants (STP) under the 1000 crore project to develop underground drainage system and STPs.

Every event has its own distinguished feature like publication of souvenir. Honourable Mayor Mrs. Mukta Tilak who inaugurated the event by releasing the souvenir of SANIVATION'2017, which comprised of different articles under sub-themes like "Need of Integrated Wastewater Management", "People's and NGO's role in Maintaining Public Sanitation Facilities", "Start-ups in Sanitation Sector" and different research papers.



Panel Discussion Session

Panel Discussion 1: Need of Integrated Wastewater Management

The event started with panel discussion session on Need of Integrated Waste Water Management. **Dr. Suresh Kulkarni**, Secretary, Maharashtra Water Resource Authority, Mumbai chaired the session. As the global theme for WTD 2017 was “Wastewater” so the issues related to management of wastewater were discussed.

The panel consisted various panelist like **Mr. Vidyanand Ranade**, Retd. Secretary Irrigation GoM, **Dr. R. V. Saraf**, Chairman, Viraj Envirozing India Pvt. Ltd, **Ms. Sayali Joshi**, CEO, Shrishti Eco-Research Institute and **Mr. Prashant Mahagoakar**, Director Ecosan Services Foundation.

Add statements and questions discussed during the panel discussion. Again, refer to the newspaper articles if needed or the notes taken during the event.



Panel Discussion 2: Peoples & NGO's role in Maintaining Public Sanitation Facilities

The second panel of the day named "Peoples & NGO's role in maintaining public Sanitation Facilities" which was chaired by **Mr. Yusuf Kabir, UNICEF** talked about the current roles of NGO's and how the behavioural changes can make a huge difference in maintaining good sanitation facilities, health and hygiene of human beings.

Panel consisted personalities like **Ms. Shweta Shalini**, Entrepreneur & Social Activist, **Mr. Nitya Jacob**, Coordinator, SuSanA India, **Ms. Rashmi Shirhatti**, Shelter Associates,

Ms. Shipra Saxena, India Sanitation Coalition and **Ms. Arwa Bharmal**, Research Associate, PAS Project, CEPT University.



Wash in Schools (WinS) Session

The post lunch session was focused on Wash in Schools. In this session, the work of Rotarians in schools such as providing toilets, educating the students about importance of hand washing to bring about the behavioural change was discussed. The moto of WinS is to create a world where all children go to school and all schools provide a safe, healthy and comfortable environment where children grow, learn and thrive.



Felicitation of Rtn. Rashmi Kulkarni in WinS session



Wins Presentation

Paper presentations

Sr. No.

Topic

Authors

1

Zero discharge toilet- a sustainable approach for toilet technology

Ms. Krithika Delhiraja
IIT Madras

2

Treatment of toilet wastewater (black water): toilet to tap JSPM

Dr. Rahul Karale
Rajarshree Shahu
College of Engineering

3

SquatEase - A Clean + Comfortable Public Toilet

Mr Satyajit Mittal
SquatEase

4

A Sustainable Sanitation System with Resource Recovery: Puducherry Experience

Ms. Padmapriya T. S.
Country Director,
Wherever the Need
India Services

5

Environment Friendly DOSIWAM System

Mr. Mrunal Meshram
APSPTN

Paper Presentation Session

The first day ended with paper presentation session by different participants from all over India. The paper presenters gave a broad overview on topics namely Zero Discharge Toilet- A sustainable approach for toilet technology, Treatment of toilet wastewater (Black water) – toilet to tap, Squat ease a clean plus comfortable toilet, a sustainable sanitation system with resource recovery – Puducherry experience, DOSIWAM – low cost appropriate waste management system etc.



Squatease one of the innovation presented in SANIVATION'2017



Panel of Paper Presenters along with Chairperson

SuSanA India Chapter Seminar: Towards ODF+ Urban Maharashtra Pune

18 November 2017, 2:30 PM to 5:30 PM

The Maharashtra State government has recently declared all cities to be open defecation-free. Under the Swachh Maharashtra Mission, started in 2015, the state had set out to achieve this by 2018, but has reached its goal earlier. As per the Government of India's norms, this means all households have toilets and nobody defecates in the open.

The Ecosan Services Foundation, the India Sanitation Coalition and the SuSanA India Chapter secretariat are organizing a seminar to analyse this achievement. It will explore ways to make urban Maharashtra ODF+ or better. This entails consolidating gains, safely and effectively collecting solid and liquid waste, faecal sludge management, and ensuring systems are in place and adequately resourced.

The seminar presented alternatives to the conventional approaches of pipes, pumps and plants for handling the rapidly-growing volumes of solid waste, sewage and faecal sludge that accompany urban growth and will discuss the needs for a holistic, city-wide planning approaches.

Agenda

Time	Topic (15 minutes presentation followed by Q&A)	Speaker and organization
2:30pm – 2:35pm	Introduction to Sanivation	Dayanand Panse
2:30pm – 2:40pm	Introduction to the session and SuSanA India Chapter	Nitya Jacob
2:40pm - 3:00pm	Inaugural address on ODF Urban Maharashtra by the state government	State government official TBC
3:00pm – 3:20pm	Consolidating these gains through effective monitoring	CEPT, TBC
3:20pm – 3:40pm	Challenges and solutions of planning for urban sanitation	Shelter associates
	Break	
3:40pm – 4:00pm	Role of NGOs in urban sanitation	Water for People
4:00pm – 4:20pm	Corporate engagement in urban sanitation	Samhita
4:20pm – 5:15pm	Discussions on: Towards ODF+ Urban Maharashtra	Moderated by Shipra
5:15pm – 5:30pm	Wrapping up	



SuSanA Team Meeting

Day 2: 19th November 2017: World Toilet Day

Urgent Run Event

For the past few years, in the lead-up to UN World Toilet Day, communities worldwide have come together for sanitation-themed Urgent Runs, with more than 63 events held in 42 countries. The Urgent Run formats vary and include fun runs, educational events, awareness walks, toilet cleaning programs, carnivals and even motorbike parades. The Global Urgent Run is a call for urgent action to end the sanitation crisis.

Our aim in organising Urgent Run was to create awareness amongst the masses to throw light on the shit that happens behind the close doors to bring people together, to raise awareness for the global sanitation challenge and engage people with sanitation issues in their local communities. The day started early morning 6.00 am with “URGENT RUN” – which was in support to the run organised worldwide. Nearly 450 participants joined the run with great energy and spirit.



The flag off of Urgent Run was done early morning 6:30 am from Vrindavan Lawns, Baner road which covered almost 7 km long track. Participants from the age group 5 years to the age group of 85 years old joined the urgent run. Participants enjoyed the event with great energy and spirit.

Various slogans and messages were displayed all over the run track to spread public awareness about sanitation. Some of them were like “Don’t hush the FLUSH, TOILET talk need not make you blush”, “Har mod pe ho commode toh Bharat ka na ho koi tod”, “4.5 billion people – either have no toilets at home or one that doesn’t safely manage excreta, etc.”



The image below is the aerial view of group of participants who completed the Urgent Run. The first place in Urgent Run was bagged by **Mr. Saurabh Jadhav** who completed the run in 39 minutes, followed by **Mr. Selvaraj Naidu** and **Mr. Gaurav Jadhav**.

Panel Discussion

Panel Discussion 3: Start-ups in Sanitation Sector

The second day panel discussion on “**Start-ups in Sanitation Sector**” gave an overview of new technologies and the market potential in the sanitation sector. Since there is lack of awareness people are unable to identify the business potential and opportunities in this sector. Different Personalities like Chairman of session **Mr. Bugude**, MJP, IWWA Member, **Mr. Rajeev Kher**, 3S India, **Prof. J. V. Deshmukh**, JSPM College of Engineering, Pune and **Mr. Girish Kulkarni**.



Panel Discussion Session

Udyama

Sr. No.

Topic

Corresponding Authors

1

NOWAH (No Waste at Household)"
Technology - A novel, sustainable,
smart and complete treatment
technology for Faecal sludge and
Organic waste management

Ms. Anu Rachel
Thomas
IIT Madras

2

Design of Malprabha digester using
ferrocete

Mr. Yash Malwadkar
Sihagad Institute of
Engineering

3

AQUATRON

Mr. Amit Kothari
Jain Ceramics

Business Plan Session

This session was followed by presentations of Udyama Competition which was focused on innovations and business ideas in sanitation sector. Participants were given chance to pitch their business ideas in front of the judges and delegates present for the event. This business plan competition was organized to motivate the young minds to create a niche in the market by launching their own start-up in the field of water and sanitation. The topic for the Business Plan was “Ecological sanitation: Sanitation focussed towards resource recovery and reuse”.

The technologies introduced during the Udyama session comprised of “No waste to Household “by Ms. Anu Rachel Thomas, Maprabha Digester using Ferrocurete by Mr. Yash Malwadkar, and Aqutraon Solutions by Mr. Amit Kothari.



Business Plan Session Presenters

Joint Session Pune Municipal Corporation (PMC) and Toilet Board Coalition (TBC)

The Sanitation Economy - a multibillion dollar market in India

The 19th November, 2017 comprised of an important MoU exchange between **Pune Municipal Corporation** and **Toilet Board Coalition(TBC)**. **Ms. Sheryl Hicks**, Executive Director of TBC and **Mrs. Perna Deshbhratar**, Additional Municipal Commissioner, PMC signed the MoU about smart city projects in sanitation in Pune region. TBC and PMC confirmed that they will work together to develop smart, sustainable and resilient sanitation systems, delivered through the market, in Pune. The TBC is a business-led public-private partnership supporting solutions and innovation in the sanitation space. This project will bring these new business solutions to life in Pune," said Cheryl Hicks, Executive Director of the Toilet Board Coalition.



Prize Distribution and Valedictory

One and half day SANIVATION'2017 event witnessed various participants under different competitions. Towards the end of event we had a prize distribution ceremony. Participants from Udyama and Kalpayita competitions were felicitated by Mr. Dayanand Panse, Rtn. Pramod Bakre and Rtn. Rashmi Kulkarni.



Team Ecosan Services Foundation



The event **SANIVATION'2017** was in all a great success which intended to bring people from various sectors together to realize the importance of sanitation. We are very much thankful to **Maharashtra Pollution Control Board, (MPCB)** and **City and Industrial Development Corporation of Maharashtra (CIDCO)** for the support extended to the SANIVATION'2017 event. The event was also supported by **Pune Municipal Corporation (PMC)**, **World Toilet Organisation (WTO)** (www.worldtoilet.org), **UNICEF** (www.unicef.org) and knowledge partner **Sustainable Sanitation Alliance (SuSanA)** (www.susana.org) along with **India Sanitation Coalition**, **Institute of Engineers Pune** and **Indian Water Works Association** and **Pune Metropolitan Region Development Authority (PMRDA)** who also extended a great support to SANIVATION'2017.

Ecosan Services Foundation



Address: Flat No.1, 1st Floor, 24, Prashantnagar, 721/1, Sadashiv Peth, Pune – 411030, Maharashtra (INDIA)

Tel: +91 (020) 64 000 736, Fax: +91 (020) 24530061

Email: ecosan@ecosanservices.org Web: www.ecosanservices.org

