#### **Ecosan Capacity Development Workshop**





# Initiation of Capacity Building Initiative in India

Mrs. Pradnya Thakur

Head Projects

Ecosan Services Foundation, Pune, Maharashtra, India

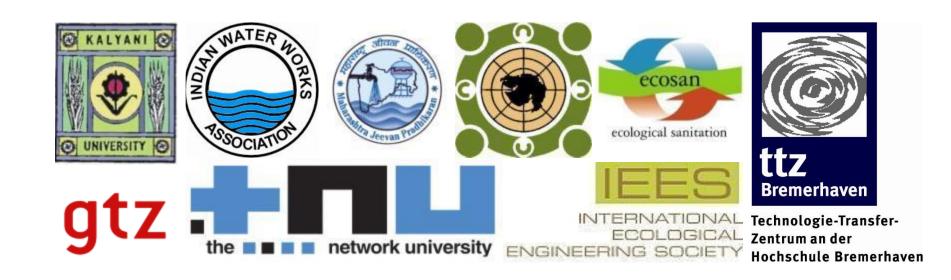


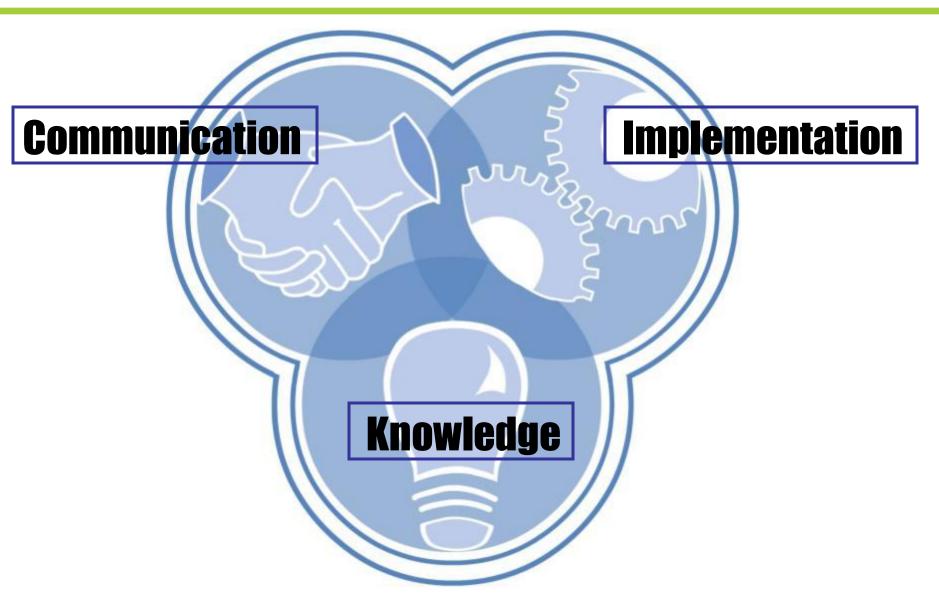




#### Introduction to NGO (ESF, Pune)

- Ecosan Services Foundation (ESF) has been founded in 2006 jointly with seecon international gmbh, Switzerland and with the support from GTZ, Germany
- Small core team, but flexible network structure with experts and partners from all over India and the world
- Lead organization in IESNI network

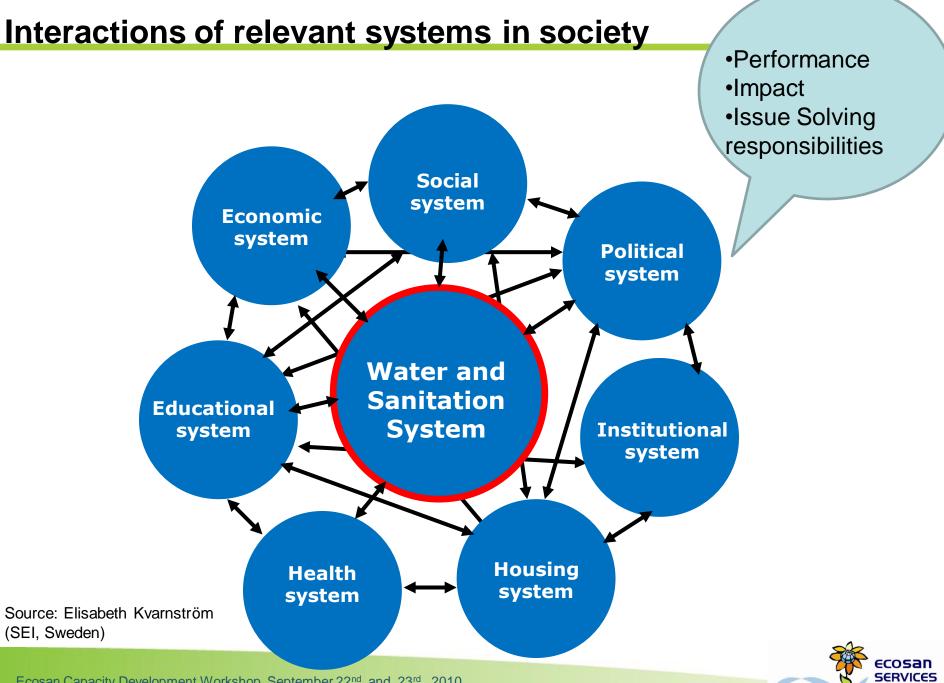




#### **Challenges For Ecosan Promotion In India**

- Geographical Diversity
- Social And Cultural Issues
- Anti-scavenging Laws
- Inadequate Funds For Innovation And Alternative Solutions
- Large population with moderate literacy
- Requirement of continuous IEC campaign





**FOUNDATION** 

#### **Promotion and Awareness Generation of Ecosan**



#### **Promotion to Decision / Policy makers**

#### State Ministers Conference, organised by DDWS, Rural Ministry, GOI in 2007





Dr. Raghuwansh Prasad Singh, Ex. Cabinet Minister, Rural Ministry, GOI

Ms Shanta Sheela Nair Ex. Principal Secretary (WS), Rural Ministry, GOI

#### **Promotion to Decision / Policy makers**

National Workshop on Ecological Sanitation with DDWS, Rural Ministry in 2008



Organised workshop in association with SuSanA, CSE and Unicef

Round Table conference organised by Rural Ministry GOI in 2009



Invited ESF as one of the expert for future planning on sustainable basis

#### **Promotion to Decision / Policy makers**

#### Launching of NUSSI



By Honbl. Minister Mr. Kapil Sibble

#### Publication of NUSSI manual



By famous Bollywood actor Aamir Khan – Brand Ambassador for school sanitation

#### **Promotion to NGOs**



Franco-Indian Conference on Technology Innovation and Millennium Development Goals at Truchirapalli, Tamilnadu - 2007



SACOSAN conference, 2008

#### **Promotion to NGOs and Professionals**



Workshop on 'Ecological Sanitation' in Pune, for AAK-PLAN - 2009



Capacity Building of NGO representatives in Tamil Nadu -2010

#### **Promotion to Educational Institutes:**



Poster competition, DAV school, Pune



Workshop on Ecological Sanitation, Pune University - 2009



.... NUSSI



NUSSI survey photos

#### **Eco Games**

Game for Water conservation, Hand washing and Use of Toilet block





### **School Sanitation Exchange Program**

- 20 students from India (Abhinav English medium School, Pune)
- 10 students from Switzerland (Freies Gymnasium Bern)
- Internet-platform for discussions (mynetworks.org)



 Awareness raising for students to realize that problems in relation to wastewater and sanitation do exist in both countries

#### **Promotion to Funding Institute:**

For course participation promotion: Contact MMREA Society

Visit to Indian Petro - Chemicals Ltd. (IPCL), Nagothane

Meeting with General Manager – Agriculture Finance, Bank of India, Mumbai

#### Mass Awareness through Media:

- Media Sponsorship with Water Digest magazine, Publication of Article, Distribution of course flyer, post event report in Water Digest Magazine for September, January and March courses.
- Interview on Radio and Television
- Press conference



#### Mass awareness through media



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#### Workshop on 'sustainable sanitation'

The Indian EXPRESS

EXPRESS NEWS SERVICE. AUGUST 25

ECOSAN Services foundation, a Pune-based NGO, together with the International Council for Local Environmental Initiations (TOTET) European Corne.

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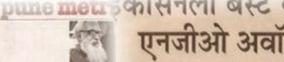
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पं**ढरपुर, ता. १३** : शासनाकडून फेब्रुवारी अखेर शासनास सादर केला <u>मुख्या</u>धिकारी मंगेश चितळे, तसेच रस्ता, वाखरी, नदीचा पैलतीर आदी पुणे, स. २४ । "बाता अधिव तोव अधिव के आर्थन विकास व तक्ष्मी (अप प्रोत) केवा और तोव कीक्षीय सार्थ-वारक-व्यांना जास्तीत जास्त चांगल्या जाणार आहे, अशी माहिती महाराष्ट्र सुविधा दिल्या जागार आं

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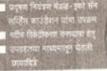
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अंश स्थाप्तिसर, फडस्टी,

क्रोमीन मर्थियम पार्टिकारीके महत्वते, स्वन्यकानुत, स्तरनाह च वो इत्तांच्या सरकार्या बद्धान्य मेचीत सरकार, असे अध्यक्त क्रमाणारी त्रूपन विकास बहुतते

क्षंत्र क्षणा में राज कारण मीवदानंत भाउनेकार्थ एकांट फार्च गांचे तथा बेन्ड

ज्ञातांना मध्यप्रश्न संग्रह आणि भीताची कार्यांके पेक्रम हा प्रश्वम कवा



प्राणका अवना अवहे, स्वास्त्रती १,८ स्वता पर्ध वर्ष अरकार्य वर्तिते एम्प प्रतृत्त विशेता घोडाओ प्रकार प्रमुख थीं, अबर मुक्ती कंपी

कारोडी एवल बेवानार्थ प्रदार संबं संग्रेतने प्रशास कोतामा पाता स्थापन पार्क दिशान पर

वारकरी मंडळींनी त्यांचीही मते मांडली.



केलीक विकास सीचानो अस्त प्रतिक बस्त्याने पारिकाने होता. रचनाते अन्त ग्रमामीर प्रकारक, ऐने प्रोत्तर, बाजी पालके हात, या मार्चान राज विकासित परिचारी योक्त अहे. या उद्योचक दिवसणी संगयतीय संक्रम करी सरावर्ध, तो विद्यालये परायक्षित प्रकारि पेत्र इजिल्याना परिवरने पेरे गेर बतायती, जीवनीतंत्र स्थाप एक 'तर' रेपका वृति, य रेंगल राजियों तारेय अर्थन पेरा पांची वेद अजे. य एक्टीवृत्ते दर्शनलेकाव समार बर्म क्षेत्रर अहे. स्क्षेत् उच्च राज्यन्य साम्ब्रहे रक्षिक विशेष्ण रोईल, त्याचकोजा रार्टनी सक्रम होतीत, असे पर प्रस्तवासून विकृत पेते. estions unwitted with one first शाबतीत, तकाती शाबतिक आधारपीच्या पाण्याच

धारिकांचे सारायंत्रम भागा, विशेष विशे लीको त्रवाधानेक स्वत्रांतक रोजारी पान,

तात, वाणी तत्रत, प्रांतील तत्त्व, पण स्रोताल पारम पा दिनाची स्टबाना क्रमें, ज सहस्रकार क्षेत्र, पाणे, शोध

स्त्रीका अधेत. ५ हाजह ८०० शीधकाचे प्रचान शास प्रदूषण महारोपात्रचे शहरत पारिकांच्या गरी अधित प्रस्त ५ हा श्रीकारो उसाञ्चाच प्राक्यवी सर पात प्रशांकते । हाता ५०० क्रिया म्हिल्लाचे रे हमा १०० गोन्सरो अहोत. या शीवतरकाचे प्रकार १४०० प्रशासी संग्र ६५ महिल प्रविकास प्रसारत असेता, ही शहरता प्रत्यात प्रात्तवको स्था-परित, मर्पित्य । अवशंक्षते प्रदेश चलका आहा: बता तारांच्य परिवास क्षेत्राम धानकार प्रस्तान भारे. १४वृत्रे गाः क्य को शेर्डन, कार्यक्रम गृहा ।

#### गडपाण्यावर अत्यल्प खर्चात प्राक्रया शक्य असल्याचा दावी

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कृतिक पैरिकामात आते आहे. पान्ने अवते पूर्वपिया प्रतिमानमा प्रतिमा या

हस्य आस्त्यमा द्वा इसेमीर सर्विमेन प्रदेश पदारी विस्तित कारणा निर्मा क्षेत्र असी, य याण्या क्षेत्र आस्त्र असून, तेथे दरतेता ताले कार कारण अना असून तथी पार्वकारका प्रकल्पामुक प्रणा तक्षर व अवने अवते. राष्ट्रको प्रतिभा पर्वतः वक्षे पुरुषोग करण येथे प्रकल तक्षा विका प्रणा प्रकल केली प्रकल परिवारक वर्णने पूर्व ता २१ : मानम्यो व इंडियन बॉटर क्यां अमोनियासके मनदः योग्य हाते. नेताना अस्त बॉटर उत्तरपाने मंद्रण आगणका उत्तरी व बता आहे." अधिक मानियासके पानदः योग्य हाते. नेताना अस्त िय मोन्यांमध्ये निर्माण क्षेत्राच्या सामित्र श्वरंद कामे वाने शुक्रको जैनकि २००९' देवन या प्रकारका निर्माण सामित क्षेत्राचे अभय स्टालीन क्षेत्र क्षेत्र सामित क्षेत्राच्या सामित्र श्वरंद कामे वाने शुक्रको अभ्यतिक स्थाने स्थान

ा तथ प्रतास तथा देशा आहे. य

Ecosan Capacity Development Workshop, September 22<sup>nd</sup> and 23<sup>rd</sup> 2010

#### **Promotion to Stakeholders – Rural & Urban**



Village meet at Thergaon, 2007



Palavi Agricultural exhibition, 2008

#### **Promotion to beneficiaries – Rural & Urban**





Workshop for Community Based Organizations (CBO) under Slum Sanitation Programme in Mumbai, 2008

#### **Promotion to beneficiaries – Rural & Urban**



Training Program of ULB representatives, 2010

#### **Promotion technologists**

•Participation in Exhibition organised by Indian Water Works Association during their 39<sup>th</sup> Annual Convention at Mumbai



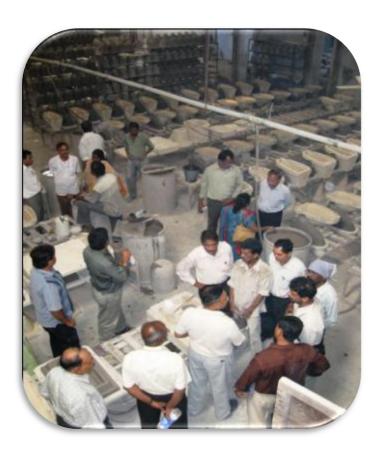


 Workshop organised by Plumbing association for technologies in Plumbing sector

#### Involvement of builders/developers and manufacturers



Water Saving Urinal device



Development of pour flush toilet pans, wash basins



Urine diverting western toilet pan

## **Involvement of Religious leaders**



Initial Survey with pilgrims

### **Capacity building Training Programs**



## **Completed Project**

Name of the project	Type of project	Number of users served	Reuse po	otential
Adarsh Vidyaprasarak Sanstha's College of Arts & Commerce, Badlapur	Decentralized Wastewater Treatment System	2600	WW 8m3 /day	Urine 300L/day







## **Completed Project**

Name of the project	Type of project	Number of people served	Reuse	potential
Thergaon village, near Nashik	Urine Diversion	40	Urine	Fecal compost
INASIIIK	Dehydration Toilet		40L/day	12.8 kg/day

Without

URINE







With

URINE

## **Thergaon: Methodology**



Awarness Raising
Meeting with Village People

Survey





## **Theragaon: Implementation**



Ready to use UDDT



Pre-implementation of the project



Visitors visiting the project site

## **Completed Project**

Name of the project	Type of project	Number of people served	Reuse potential
Shree Baleshwar Anudanit Primary	nudanit Primary Wastewater	500	Grey water
and Secondary Ashram School, Sarole Pathar	Treatment System		12m3/day





## **Completed Project**

Name of the project	Type of project	Number of people served	Reuse potential
Kamalini Kuteer resort, Near Pune	Decentralized Wastewater Treatment System	30	<b>WW</b> 5m3/day

Name of the project	Type of project	Number of people served	Reuse potential
Oasis resort,	Decentralized	700	ww
Pune	Wastewater Treatment System		14m3/day





## **Ongoing Project**

Name of the project	Type of project	Number of people served	Reuse potential
Eco – village project,	Sanitati-	•Primary	ww
Katewadi, Baramati To be implemented at: • Primary school; •Hanuman temple; Bus stand.	on and water manage ment systems	school: About 520 •Hanuman temple: 200; •Bus stand: 600	<ul><li>Primary school: 860L/day;</li><li>Hanuman temple: 5500L/day;</li><li>Bus stand: 5400L/day</li></ul>
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## **Ongoing Project**

Name of the project	Type of project	Number of people served	Reuse potential
Housing complex, Thane	5 Decentralized Wastewater Treatment Systems in the whole complex	About 1300	WW 74 KLd, 79 KLd and 15 KLd at Desai; 18Kld and 139 Kld at Khidkali.





## **Feasibility Study**

Name of the project	Type of project	Number of people served
Pandharpur Town – Sanitation plan with GIS study	Techno economic feasibility Study for Sanitation and Sewer management	More than 1 million



#### **Outcome**

#### Workshops

 No. of people served around 2000

#### Conferences

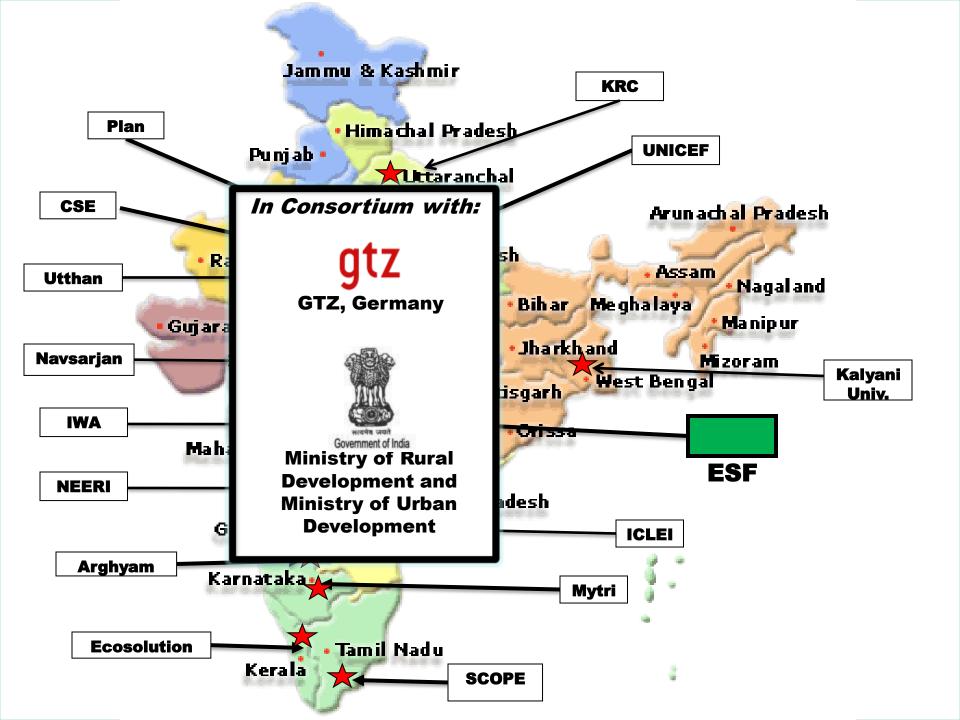
 No. of people served around 300

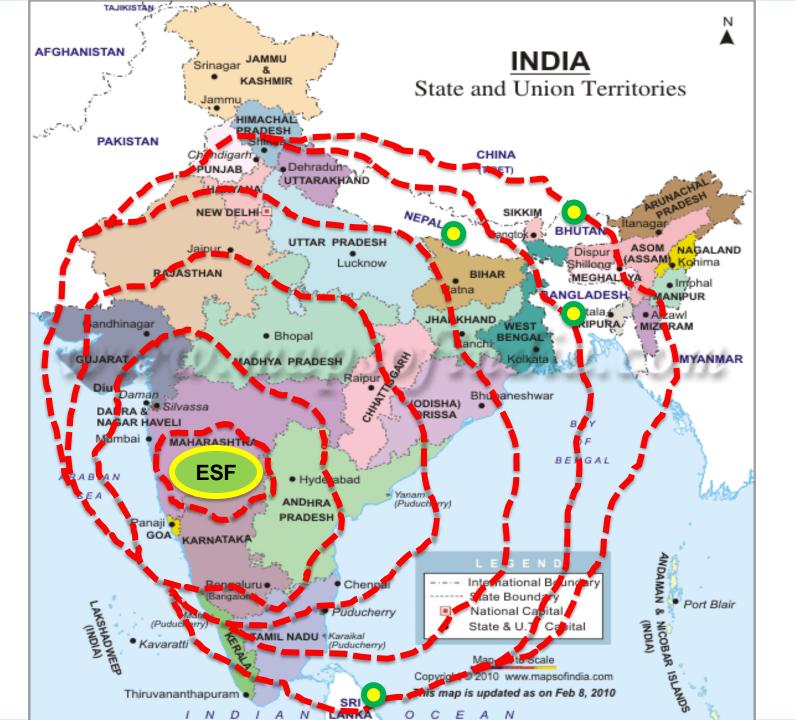
#### **Trainings**

No. of People served – around500

#### Projects

- Direct beneficiariesaround 10000
- No. of person served -More than 1 million









## Thank You!



#### **Ecosan Services Foundation**

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