



International Network to Promote
Household Water Treatment and
Safe Storage
World Health Organisation

Network Meeting And International Symposium, Bangkok
30th May - 2nd June 2005

LEAD TAMILNADU

SODIS Promotion in Tsunami-Affected Areas

Cuddalore and Villupuram District

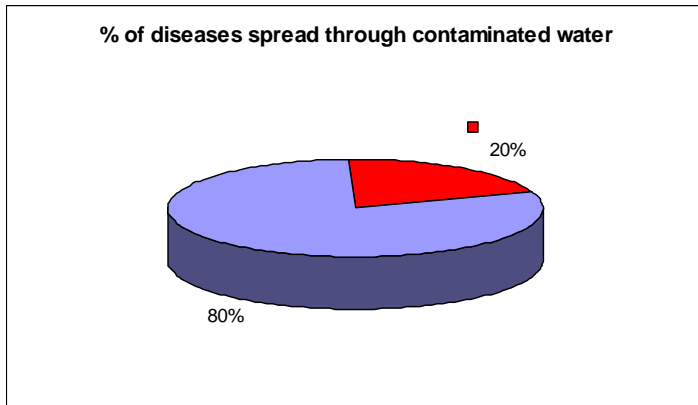
What is SODIS?

➤ **SODIS, Solar Water Disinfection, is a simple and low-cost method for the improvement of drinking water to be used at the household level**

➤ **SODIS uses solar energy to destroy pathogenic micro-organisms causing water-borne diseases and, therewith, improves the quality of drinking water**



Why SODIS: WATER and HEALTH



❖ Incidence of 80% of the diseases is due to contaminated and unprotected water and lack of sanitation

- ❖ In India 90% of the rural and 30% of urban population depend on ground water for drinking and domestic purposes- In the times of drought what is the water source ?
- ❖ The demand for bottled water has grown 400 times from 424 million liters(1997) Currently there are more than 200 companies selling bottled water under various brand names.
- ❖ All the water sources in Tsunami affected areas got contaminated by debris, dead bodies and brackish water.

GOAL

- To control and prevent water borne diseases by SODIS

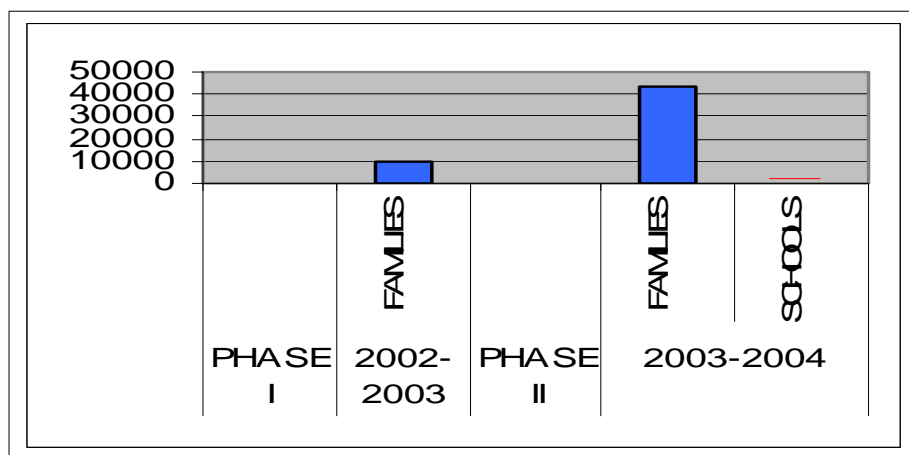
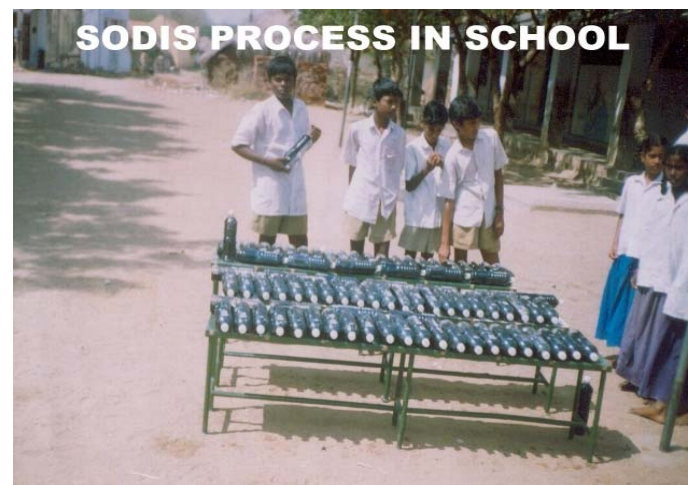
OBJECTIVES

- To enable the tsunami-affected to access protected drinking water through SODIS
- To generate awareness on SODIS among the coastal communities of Cuddalore and Vilupuram District of Tamil Nadu, India.



LEAD Past Experience

PHASE		COVERAGE		% OF ACHIEVEMENT
		PLANNED	ACHIEVED	
PHASE I				
2002-2003	FAMILIES	20000	9689	48.4
	New PET bottles		25160	
	Recycled Bottles		1300	
PHASE II				
2003-2004	FAMILIES	50000	43833	87.66
	SCHOOLS	50	99	198
	New PET bottles		97935	
	Recycled Bottles		28292	



Awareness generation

- **Organizing awareness programme in tsunami-affected areas (community and schools)**
- **Publishing and Distribution of Handbills, Posters and display signboard**
- **Water testing**
- **Promoting SODIS in the coastal communities**



PROMOTION OF NEW PET BOTTLES



- **24,640 PET Bottles** were promoted in the tsunami-affected areas of Cuddalore and Villupuram District – 29 villages (including 13 schools and 2 relief camps)

**Water Test Results
of SODIS!**



**LEAD Team
Demonstrates SODIS**



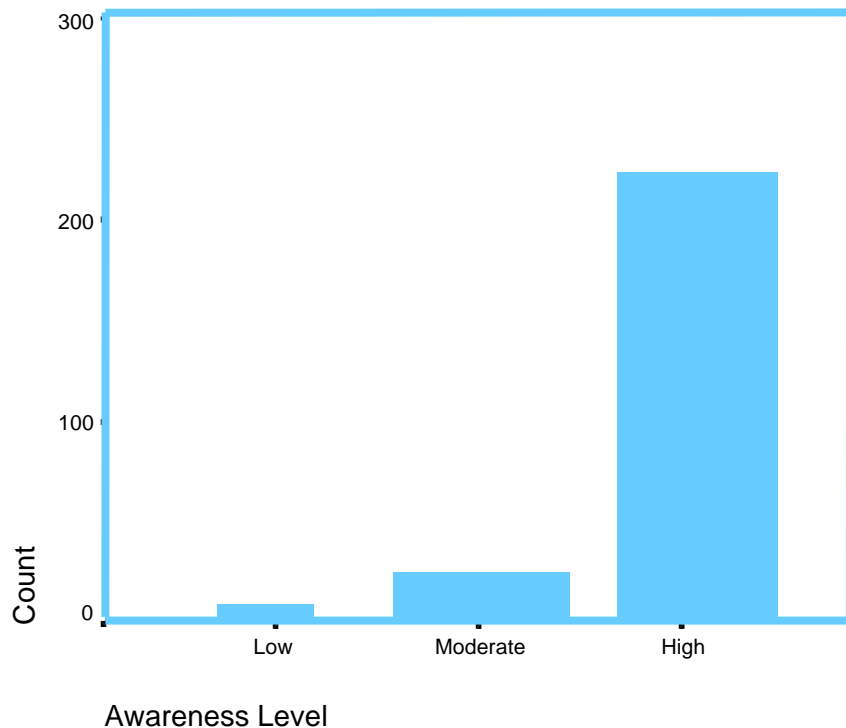
**Villagers Putting
SODIS into Practice**



ACCEPTANCE STUDY

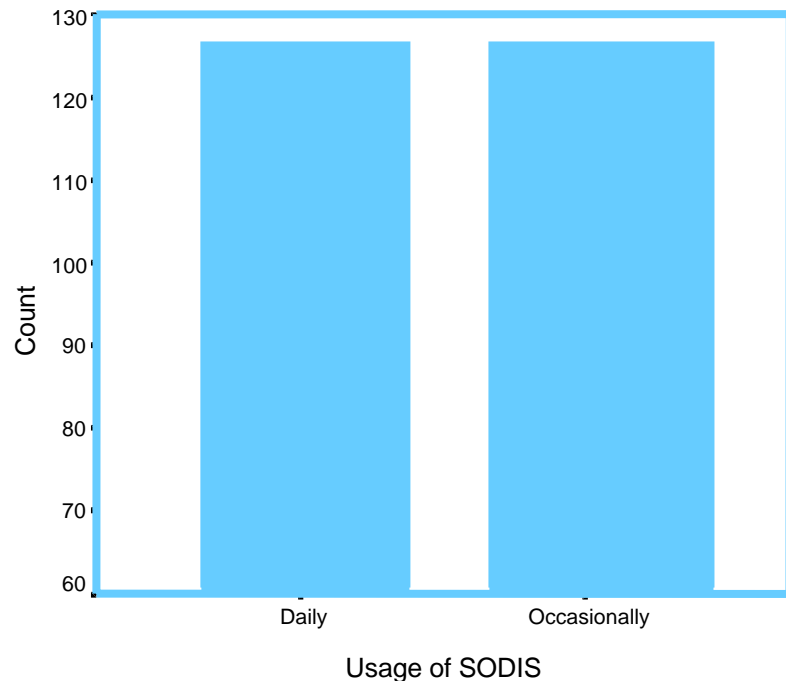
- The study focused on the Awareness, Usage and Acceptance of SODIS among the people of Cuddalore and Villupuram Districts.
- An acceptance study was conducted with 250 Families (equals to 1% of the families) and 13 Schools in the villages (29 Villages) of Cuddalore and Villupuram Districts of Tamilnadu.

Awareness of SODIS



- Majority (89.2%) of the people have a high level of awareness of SODIS (understood the concept)
- SODIS is highly accepted by the people, the people are very receptive.

Usage of SODIS

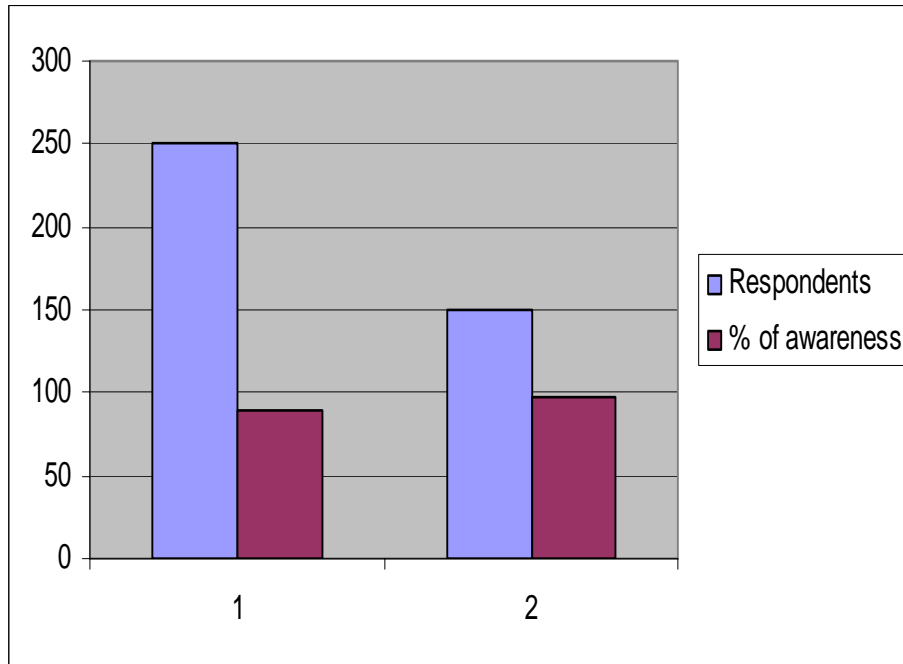


- 50% of the respondents drink SODIS treated Water Daily
- 50% of the respondents drink SODIS Occasionally (5 – 25 Days in a Month)
- All the respondents are drinking SODIS water, there were no non users of SODIS.
- 22% of the respondents are using recycled bottles.

ACCEPTANCE SURVEY- II

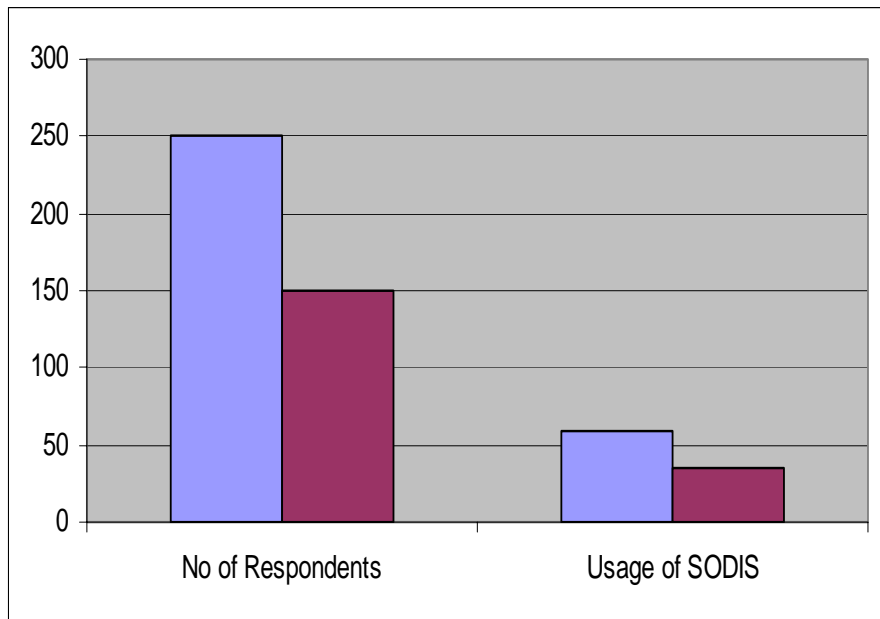
- An acceptance study was conducted with 150 families in Cuddalore and Villupuram districts of Tamilnadu after a refresher programme

Awareness of SODIS



- Awareness level has increased from 89-97%
- SODIS is highly accepted by the people

Usage of SODIS



- Number of regular users has increased from 50-67%
- Number of occasional users had decreased from 50-21%
- 12% of the respondents are non users of SODIS
- 24 % of them use recycled PET bottles.

Future of SODIS In Tamil Nadu

- **Creation of SODIS Foundation in Tamil Nadu in all 13 coastal districts**
- **LEAD Proposes to disseminate SODIS to entire Tamil Nadu also**

THANK YOU

www.sodis.ch

