



Lanka Rain Water Harvesting Forum, Sri Lanka



TANUJA ARIYANANDA,
DIRECTOR

SOUTH ASIA WATER PROGRAMME PARTNERS
AND PRACTITIONERS MEETING.
DECEMBER 30TH – 31ST, 2013
NEW DELHI

Lanka Rain Water Harvesting Forum



- Started by a small group in 1996
- Membership from government, NGO's, Private and public sector
- Share experience and technology on RWH for domestic use.
- Main activities
 - Promotion (Awareness, Media, demonstration, video, publication)
 - Research & Development (Low cost tanks, usage)
 - Training (Households, masons, engineers/ architects)
 - Networking (national, regional, International)



Lank Rain Water Harvesting Forum



- **Vision**

- "Leading the nation in rain water harvesting technology, construction and utilization to sustain water needs"

- **Mission**

- "Promotion and fostering of research and development by dissemination and sharing experiences in rain water harvesting technology, conservation and utilization methods for solving the water problems of the nation"

- **Aims**

- Identify existing rain water harvesting practices in the country.
- Research and develop further techniques for collection of rain water
- Promote the application of rain water for domestic purposes through information, communication, awareness raising
- Study efficient methods of rain water harvesting and make recommendations
- Promotion of rainwater harvesting for home gardening and domestic level agriculture
- Promotion of rainwater harvesting as a viable solution to recharge ground water table.



Distribution of Rain water Harvesting Systems in Sri Lanka

Organizations implementing RWH

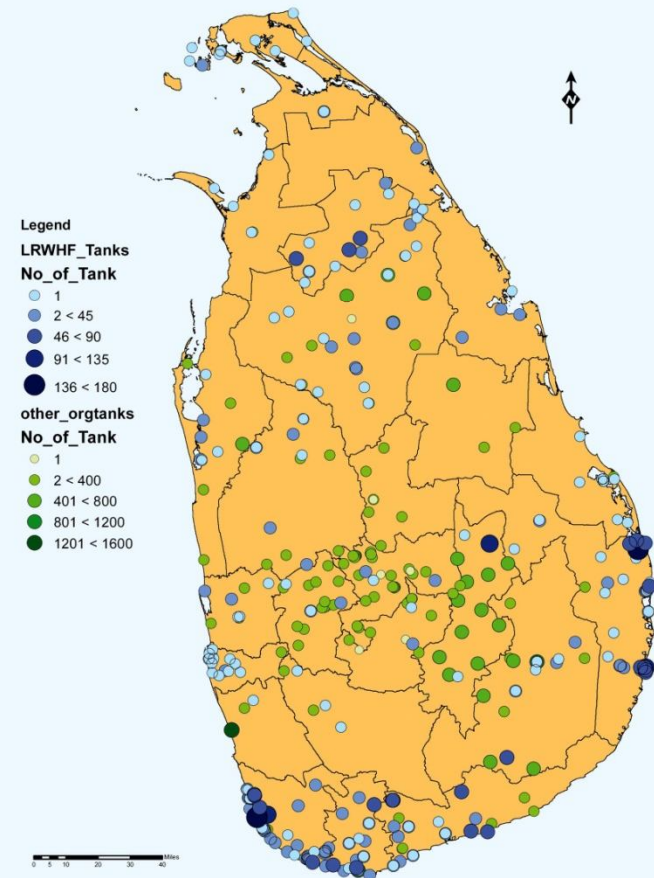
ADRA - Adventist Development & Relief Agency Sri Lanka
Asia Onlus -
BLIA - Buddha's Light International Association
Care International
CWSSP - Community Water Supply & Sanitation Project
Ekamuthu Cultivators
GTZ - GTZ
HKL Menike
IOM -
Practical Action
KOPBMO - Kala Oya River Basin Management Office
LRWHF- Lanka Rain Water Harvesting Forum
NCC - National Christian Council
NGO Water Supply and Sanitation Decade Service
NWS&DB - National Water Supply & Drainage Board
ORDE - Organization for Resource Development and Environment
OXFAM
PALM Foundation
Plan Sri Lanka
PRDA - People's Rural Development Association
Sarvodaya -
SDA - Southern Development Authority
USIP - Urban settlement Improvement Project
WV - World Vision

Approx. 42,000

Rain Water Tanks Construction in Sri Lanka

During the Last 15 years 1997 to 2013

වසර 15ක් තුළ ශ්‍රී ලංකාවේ වැසි ජල ටැංකි ඉදිකිරීම් - 1997 සිට 2013 දක්වා
15 வருட காலத்தினுள் இலங்கையில் மழைநீர்த் தாங்கி நிர்மாணிப்புகள் - 1997 முதல் 2013 வரை



Lanka Rain Water Harvesting Forum



- Members of the Committee Formulating Rain water harvesting Policy and Strategies
- LRWHF was recognized by the Ministry of UD and WS as the only organization actively promoting RWH in the country
- Implemented over 6000 RWH systems in SL,
- Supported National /regional International conferences





Policy and Legislation

•National Rain Water Policy and Strategies, June 2005

- aimed at encouraging communities to control water near its source by harvesting rain water

•Kandy Declaration, by SAARC Ministers, September 2006

-Signed by 5 minister of SAARC to promote RWH in their prospective countries

•15th SAARC Declaration, August 2008

- at the looming **global water crisis**, recognized that South Asia must be at the forefront of bringing a new focus to the conservation of water resources. For this purpose they directed initiation of processes of building and encouraging of research, combining conservation practices such as **rain water harvesting**, water conservation.....

Amendment to Urban Development Authority Drainage Act No.36, of 2007 published by gazette September 2007

- Legislation: Amendment of UDA by laws to incorporate RWH April 2009**

Tri- Partite Agreement with CSE & Ministry of WS&D, LRWHF



- Purpose: To establish the Rain water Harvesting Center of LRWHF in cooperation with CSE and facilitation of Ministry of Water Supply & Drainage
- To follow up on the National Rainwater Policy and Strategy for Sri Lanka established in 2005 , which state "**4.5 Set up a unit to collect information on worldwide trends, current practices, drawings, Legislation etc, by linking up with Global networks monitor & evaluate policy implementation, and, with the assistance of mass and electronic media, disseminate to all stakeholders who require such information, and educate others currently unaware**". A establishment of resource center is considered to provide this service.
- LRWHF requested the Ministry to Facilitate signing tripartite agreement with CSE to assist the establishment and operation of the rain center
- Signed in August 2010 by
 - Sunita Narain, Director CSE
 - Tanuja Ariyananda Director LRWHF
 - Hon. Dinesh Gunawardena Minister WS&D



Work Plan



- Establish a demonstration site on RWH and water recycle at a prominent location
- Organize and Conduct a training program for Engineers, architects for Water Reuse and Recycling in Delhi India.
- Organise and Conduct a training program for Engineers, architects, project managers on rain water harvesting and ground water recharge in Sri Lanka jointly with CSE
- Support to set up the South Asian network to promote RWH in the region, following the meeting/workshop held in Kandy(2006) and Kathmandu (2009)
- Establish the Rain Center premises at Battaramulla



Establish a demonstration site on RWH and water recycle at a prominent location



- RWH system at My of Water Supply & Drainage
- Waste Water Recycle at LRWHF Rain center



Conduct a Training program for Engineers, Architects for Water Reuse and Recycling in Delhi



- Training Course on Decentralised Wastewater Treatment and reuse, 3-7 January 2010
- Attended by 12 persons from
 - My WS&D,
 - Municipal Councils &
 - NWS&DB



Conduct a training program for Engineers, architects, project managers on rain water harvesting and ground water recharge in Sri Lanka jointly with My WS&D, CSE, LRWHF

- Training course on Urban RWH in Sri Lanka
 - Venue Colombo (Battaramulla)
 - Attended by 35 persons
 - ✦ PS, MC, Local Govt Dept, NWS&DB, Provincial Council, Irrigation



Training Course on Urban Rain Water Harvesting and Decentralised Waste Water System

- Venue Colombo (Battaramulla)
- Attended by 25 persons
 - MC, UC, NWS&DB, PC, DS,



Training Program on Urban Rain Water Harvesting & Decentralised Waste Water Systems LRWHF in Collaboration with CSE



- Training Program 1
 - Dec. 2012, 4 days, Colombo
 - Attended by 20 persons
 - ✦ Pvt Companies (MAS, Bank, CrysBro Gp, Slon), NGO's, INGo's
 - Registration fee: Rs. 20,000



Training Program 2



- Dec, 2013, 4 days, Kandy
- Attended by 28 person
 - ✦ Pvt Co, Govt (Colombo Dock yard, NWS&DB, My WS&D), University
- Registration fee Rs. 20,000 (with Accommodation),



Support to set up the South Asian network to promote RWH in the Region

- International Workshop on RWH Kandy Sri Lanka, 2006
- High level meeting on RWH Kathmandu, Nepal 2009
- Ministers special meeting at SACOSAN IV Colombo Sri Lanka, 2011
- MOU with IWMI 2011
- Secretariat Office Declared Open 2011 (Dec.)
- Bangladesh Convention on RWH 2012



Establish Rain Center

- Land leased for 30 years in the New Capital of SL (near Parliament)
- Planning Permission obtained
- Building under construction
- Exhibition, training, demonstrating and R&D center for RWH & waste water reuse



Future Plans



- Establish regulation on RWH & Waste Water Reuse
- Network: national, regional and International
- Conduct training to professionals
- Develop rain center
- Establish South Asian Secretariat for RWH
- Support/organise Regional Conference

