Lanka Rain Water Harvesting Forum, Sri Lanka

TANUJA ARIYANANDA, DIRECTOR

SOUTH ASIA WATER PROGRAMME PARTNERS AND PRACTITIONERS MEETING. DECEMBER 30\textsuperscript{TH} – 31\textsuperscript{ST}, 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 Rainwater 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&D - 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
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 My 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