

NETWORK PROGRESS REPORTS - 2017

Name of the Network

Cap-Net Lanka

Period covered by the report

Annual progress

Mid year progress

Host Institution and address Postgraduate Institute of Agriculture,
University of Peradeniya, Peradeniya, Sri Lanka

Network Manager: Name: Dr. S. Pathmarajah
Address: Department of Agricultural Engineering,
Faculty of Agriculture, University of Peradeniya,
Peradeniya, Sri Lanka
Email: s_pathma@yahoo.com, spathma@pdn.ac.lk
Network Website: www.Cap-Netlanka.lk

Core support contract number: 150217/00075517 PGIA

Network Management

In 2017 Dr. S. Pathmarajah, Senior Lecturer, Dept. of Agric. Engineering, Faculty of Agriculture, University of Peradeniya was the Country Coordinator of Cap-Net Lanka and Ms. Tharanga Randunu was the Secretary / Admin. Assistant.

The host Institution, Postgraduate Institute of Agriculture (PGIA) continued to provide office space and all other logistical arrangements for the Cap-Net Lanka Secretariat to continue its activities. Since, Prof. S. Samita's term of three years as Director / PGIA came to an end, Prof. CMB Dematawewawas appointed as the new Director / PGIA since December 2017.

Apart from the planned activities for 2017, the Country Coordinator represented Cap-Net Lanka in various forums. Attended a high level meeting with Australian delegates of International Water Centre (IWC) and the officials of the Ministry of Irrigation and Water Resources Management in Colombo. Also, attended a discussion with Australian delegates on Sustainable Groundwater Management through IWRM under the Chairmanship of Hon. Chief Minister, Northern Province held during May 2017 in Jaffna. Also a meeting was organized with the Environment & WASH Specialist, World Vision Lanka on the 28th April 2017 at the Faculty of Agriculture, University of Peradeniya to explore the possibility of signing a MOU for a partnership with Cap-Net Lanka to have joint activities during 2018. Coordinator attended the partner's forum of the Lanka Water Partnership on the 19th December 2017. In addition, the Country Coordinator conducted an on-farm water management training to the farmers in Jaffna (Northern Province) and Watershed Management Trainings to the Estate Communities in the Hill Country. Core group meeting was held on the 21st August 2017 at the International Water Management Institute, Colombo.

The Cap-Net Lanka website has been updated and new materials have been uploaded. It was suggested in the Core-group Meeting to link the Cap-Net Lanka

website to PGIA website(www.pgia.ac.lk) in order to repel payments hitches with the domain names and hosting agencies with the private sector. The matter is being discussed with the new Director/PGIA.

A total of 32 new members were added to Cap-Net Lanka family in year 2017 where the total no. of members is 143. The list of all the Cap-Net Lanka members as at present is given in Annex 1.

Summary of network activities

1. Climate Change Adaptation (CCA) Programme for Farmer Organization (FO) Leaders

Sri Lanka Water Partnership(SLWP) has been conducting CCA programmes focused on rural farming communities especially in the dry zone irrigated agriculture areas since 2013 under a GWP initiative supported by DFID.

The main objective of the activity was Institutional and Management strengthening of Farmer Leaders in Medium Irrigation Schemes to cope with extreme climate events (floods and droughts) occurring with increased frequency. Also to increase awareness by Farmer Leaders and Agency Staff of various options to cope with Climate Change and that joint seasonal programme planning as in the major systems.

A total of 51 participants (42 Male, 9 Female) participated for the first programme conducted in Divisional irrigation Engineer's office, Wariyapola, on 30th March 2017.

In the second programme, 72 Farmer Organisation (FO) Leaders representing over 40 Farmer Organizations in the Galoya Left Bank and River Division participated (57 from the Gal Oya Left Bank and 15 from the River Division). In addition, 14 field staff of ID/IMD dealing with FO attended the awareness session.

2. Training Programme on incompatible design and maintenance of RO water filtration

The programme was conducted by the Board of Study in Agric. Engineering. The main objective of the program was to disseminate the science of Reverse Osmosis (RO) and transfer the compatible technology to the water sector experts for reducing the cost of producing safe drinking water in the CKDu affected areas.

A total of 31 participants attended the training workshop and 4 were female and the rest were male. It was also discussed that the government interferences are not much for human diseases caused by water, therefore; the policy makers should be made aware of benefits of drinking clean water produced by reverse osmosis technology and to promote it for the development of the human being in CKDu affected areas and in the country. All the participants agreed to take the knowledge gained to their respective institutions and educate other officers too on Compatible RO system Design, Maintenance & Servicing.

3. Cap-Net Lanka -PGIA Junior Water Awards for Innovations and Knowledge Management (Aqua Republica) – 2017

This programme has been conducted for the past three years and gaining popularity among the school children and the teachers.

This time the junior water awards competition was introduced to the school children in the Northern Province of Sri Lanka who do their education in Tamil as well as in English. Due to the distance of the target group of the activity with the Cap-Net Project office, organising the competitions and conducting the evaluations of the projects were handed over to a co-coordinator from the University of Jaffna in the Northern Province. The winning students were provided an opportunity to present their projects in front of an audience of water professionals in Sri Lanka on the 2nd October 2017. The Junior Water Awards is conducted in parallel to the Water Professionals' Day 2017.

Objectives of the programme were to:

- motivate school children in Advanced Level Science Stream to introduce their innovative projects related to water resources management to wider audience and to discuss with water professionals.
- engage young mind in water resources management by taking initiative to water management issues through a computer based serious game –“Aqua Republica”
- promote school children to be change makers and an example to the elders in the immediate society, their family members, relative and friends.
- train students to compete and achieve higher levels competencies in water science as a team and make them aware of the beneficiaries from the water sector by introducing them to water professionals through a platform like water professionals' day symposium.

Due to the transport and communication difficulties to the Northern Province, the “Aqua Republica” competition was organized in schools in the Central Province. Prior hands-on training was given to play the *Agua Republica* computer game for students and for the final competition, the students were given 45 minutes to complete one round of *Aqua Republica* game and the winners were decided on the individual scores obtained. The highest score obtained was 16847, the scores obtained by the 1st runner up were 13621 and the 2nd runner up was 13579.

4. Water Professionals Day Symposium 2017

The Water Professionals' Day 2017 was organized by Cap-Net Lanka with the collaboration of Postgraduate Institute of Agriculture (PGIA), University of Peradeniya and Geo-Informatics Society of Sri Lanka. The theme of the Water Professionals' Day 2017 was 'Living with water related disasters: Challenges ahead and the way forward.....'

The main objectives of this symposium were to disseminating the knowledge generated by the researchers and water managers in terms of the connectivity between water, food production and ecosystem management.

The symposium consisted of an inaugural session, a panel discussion and three technical sessions. The panel discussion was conducted on the theme of the symposium.

There were 133 participants where 94 were males and 39 were females including, researchers, policy makers, academics, water managers, administrators and

students representing, universities, government, corporate and non-governmental sector institutions.

5. Core-Group Meeting

The Core-Group Meeting was held after two years at the Yellow River Room, International Water Management Institute (IWMI), No. 127, Battaramulla, Colombo on 21st July 2017. In addition to 10 regular members, two invites from IWMI participated at the meeting. Prof. N.T.S. Wijesekera, Senior Professor, Dept of Civil Engineering University of Moratuwa has sent an email request to release him from the core group due to personal and professional commitments. The group has decided to accept his request.

Main partners of the network

The key partners that have worked with Cap-Net Lanka during 2017 are given below.

- SLWP (Sri Lanka Water Partnership)
- IWMI (International Water Management Institute)
- Board of Study in Agricultural Engineering, PGIA
- UJ (University of Jaffna)
- GISSL (Geo Informatics Society of Sri Lanka)

Results

A total of 356 individuals were trained through the activities conducted by the Cap-Net Lanka during the year 2017. The trainees include diverse group of people as indicated in Table 2. As indicated in the financial report, a substantial support was provided by the network partners and host institution.

Financial report

For the year 2017, USD1500 was received in June 2017 for the network management. No allocation was made for MELP.

To conduct four activities, no advance was taken from the Secretariat. The balance of USD 2000 was requested for network management in 2017 on closing of contracts.

The following Annexes show the financial summaries:

<u>Annex 2.1</u>	Financial Statements for Network Management 2017
<u>Annex 2.2.</u>	Climate Change Adaptation (CCA) Programme for Farmer Organization (FO) Leaders (Programme 1 and 2)
<u>Annex 2.3.</u>	Training Programme incompatible design and maintenance of RO water filtration
<u>Annex. 2.4.</u>	Cap-Net Lanka –PGIA Junior Water Awards - 2017

Work plan for year 2018

Attached. (Annex 3)

Conclusion

In spite of the financial constraints, the Cap-Net Lanka was able to conduct four activities with reasonable outputs.

The report brief about the Network Management and the activities during year 2017 with the updated list of members and the draft work plan for year 2018 which is expected to be conducted and committed with.

Table 1: Summary of the activities (January to December 2017)

Topic	Date & Place	Organizer	Partner/ co-organizer	Participants			Month planned for outcome monitoring	Leverage effect of financial contribution (US\$)			List the Cap-Net training materials OR network's training materials used in the activity
				Male	Female	Total		Cap-Net financial contribution	Partners financial contribution	In-kind partner contribution	
(1) Climate Change Adaptation (CCA) Programme for Farmer Organization (FO) Leaders (Programme1)	30th March, 2017 Conference Hall, DIE Office, Wariyapola	Sri Lanka Water Partnership (SLWP) and Cap-Net Lanka, PGIA, University of Peradeniya	Funded by SLWP and Cap-Net Lanka	42	9	51	July 2018	383.46	1061.52	-	
(2) Climate Change Adaptation (CCA) Programme for Farmer Organization (FO) Leaders (Programme2)	18 th September 2017 District Secretariat, Ampara	Sri Lanka Water Partnership (SLWP) and Cap-Net Lanka, PGIA, University of Peradeniya	Funded by SLWP and Cap-Net Lanka	67	05	72	-	484.86	1069.99	-	-
(3) Training on Reverse Osmosis (RO) System Design, Maintenance & Servicing	11 th August 2017 Auditorium, First Floor, PGIA, University of Peradeniya	Board of Study in Agricultural Engineering, Faculty of Agriculture, University of Peradeniya and	Participants fee and Cap-Net Lanka	28	04	32	-	384.11	643.07	325.52	-

		Cap-Net Lanka, PGIA, University of Peradeniya									
(4)Cap-Net Lanka-PGIA Junior Water Awards for Innovations & Knowledge Management (Aqua Republica) – 2017	2 nd October 2017 - Appadurai Auditorium, Faculty of Agriculture, University of Peradeniya	Cap-Net Lanka , PGIA, University of Peradeniya, GISSL University of Peradeniya,	Funded by Cap-Net Lanka Project and in-kind contribution	46	22	68	-	2371.30	2604.17		-
(5) Water Professionals Day Symposium	1 st October 2016 - Appadurai Auditorium, Faculty of Agriculture, University of Peradeniya	PGIA, University of Peradeniya, GISSL University of Peradeniya		94	39	133	-	-	-		-
TOTAL				277	79	356					
Capacity development trainings											
Educational and innovative learning and sharing activities											
Total											
Knowledge development (Case Studies/ training material/publications)											
Topic	Date & Place	Organizer	Partner/ co- organizer	Description on the product and links to download			Plan for outcome monitoring	Cap-Net financial contribution	Partners financial contribution	In-kind partner contribution	

(1 USD = 153.6 SLRS)

Table 2: Types of stakeholders reached through the capacity development activities throughout the year

2.1 Climate Change Adaptation (CCA) Programme for Farmer Organization (FO) Leaders (Programme 1)

Type of profession	Number	Percentage
Water manager	-	
Academics/ researcher	-	
Policymaker/ Executive level officer	4	7.8%
Technical / social / government officer	41	80.3%
NGO official	-	
Journalist	-	
Community members	6	11.7%
Other..(Final yr. student, undergraduate, Computer Instructor,)		
Total	51	99.8%

2.1.1. Climate Change Adaptation (CCA) Programme for Farmer Organization (FO) Leaders (Programme 2)

Type of profession	Number	Percentage
Water manager	-	
Academics/ researcher	-	
Policymaker/ Executive level officer	58	80.5%
Technical / social / government officer	11	15.2%
NGO official	-	-
Journalist	-	-
Community members	3	4.1%
Other..(Final yr. student, undergraduate, Computer Instructor,)	-	
Total	72	99.8%

2.2. Training Programme incompatible design and maintenance of RO water filtration

Type of profession	Number	Percentage
Water manager	-	
Academics/ researcher	4	12.9%
Policymaker/ Executive level officer	19	61.2%
Technical / social / government officer	8	25.8%
NGO official	-	
Journalist	-	
Community members	-	
Other..(Final yr. student, undergraduate, Computer Instructor,)	-	
Total	31	99.9%

2.3. Cap-Net Lanka -PGIA Junior Water Awards for Innovations and Knowledge Management (Aqua Republica) – 2017

Type of profession	Number	Percentage
Water manager	-	
Academics/ researcher	-	
Policymaker/ Executive level officer	-	
Technical / social / government officer	-	
NGO official	-	
Journalist	-	
Community members	-	
Other..(Final yr. student, undergraduate, Computer Instructor,) School Students	68	100%
Total	68	100%

2.4. Cap-Net Lanka -PGIA Junior Water Awards for Innovations and Knowledge Water Professionals Day Symposium 2017

Type of profession	Number	Percentage
Water manager	6	4.5%
Academics/ researcher	31	23.30%
Policymaker/ Executive level officer	13	9.7%
Technical / social / government officer	10	7.5%
NGO official	-	
Journalist	-	
Community members	-	
Other..(Final yr. student, undergraduate, Computer Instructor,)	73	54.88%
Total	133	99.88%%

2.5. Core-Group Meeting

Type of profession	Number	Percentage
Water manager	-	
Academics/ researcher	12	92.3%
Policymaker/ Executive level officer	1	7.6%
Technical / social / government officer	-	
NGO official	-	
Journalist	-	
Community members	-	
Other..(Final yr. student, undergraduate, Computer Instructor,)	-	
Total	13	99.9%