

4th NARBO Training Programme
"Water for All - Lessons Learnt & Meeting Future Challenges"
6 - 10 November 2006
Sri Lanka



Report on IWMR Training in Sri Lanka - 2006

*3rd General Meeting of
NARBO*

Solo, Surakarta, Indonesia

20-22 February, 2008

By

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Objective of the IWRM Training

- Understand IWRM
- How it is being practiced in Sri Lanka.
- How sectoral interest prevailed in the past.
- How IWRM help to overcome such situation
- Sharing experience on IWRM among member countries
- Field program to understand it's reality

Participants



Total Participants - 18



Time Plan

- Day-1 Inauguration & Country Presentations.
- Day-2 Field Programme
- Day-3 Field Programme
- Day-4 Presentations of Resource Persons and group presentation of their findings on field visit
- Day-5 Presentations of invitees, Discussions and Conclusion of the programme.



Day1 -Inauguration



Day1 – Country Presentation



Day2 – Field visit of Victoria
Randenigala & Rantambe dams



Day 5 – Invited RP

Day 4 – Group Presentation



Day 4 – Presentation of RP



Day3- Field visit to a Farmer Organization

How Programme have been Planned

- Through Presentations & Discussions of experience Resource Persons who have involved with IWRM Practices.
- Field inspections
- Group Work.
- Reporting and Discussions.



Presentation on Training Programme

Topic	Name of Resource Person
1. Hydraulic Civilization of Sri Lanka- Past- Present & Future	Dr. M.U.A.Tennakoon (Past Vice Chairperson of NARBO)
2. Current Water Management in Sri Lanka–Overview	Eng. G.T. Dharmasena
3. Headworks Operations – An overview	Eng. Nimal Wickramaratne
4. Operation and Maintenance of Major Dams in Mahaweli Cascade	Eng. S.R.K. Aruppola
5. River Basin Applications in Sri Lanka	Eng. Sudharma Elakanda
6. IWRM Applications in Mahaweli Project	Eng. (Mrs.) Sepali Mathmaluwa
7. Water Resources Planning of Kalawewa Basin using simulation model	Eng. (Mrs.) Lalitha Seneviratna Eng. H.H.P.Premakumara
8. Water Resource in Malwathu Oya – Conflicts & Problems	Eng. S.M.D.L.K. de Alwis
9. Effective and sustainable management on existing water infrastructure	Mr. Takuji Oikawa (JWA)
10. Coverage and Demand of Drinking Water in Sri Lanka.	Eng. N.U.K. Ranatunga
11. Sri Lanka experience on recent Tsunami, precautions and strategies to minimize large scale disaster.	Mr. Lalith Chandrapala
12 Lessons learnt from Tsunami and re-construction with a new vision (experience from lessons learnt from Tsunami disaster)	Eng. Dharmasiri de Alwis
13. How Hydropower Sector influence for IWRM	Eng. Shavindranath Fernando
14.Enhance Ground Water Recharge to Improve River Flow	Mr.K.A.W.Kodituwakku



- Hydraulic Civilization of Sri Lanka- Past- Present & Future by Dr. M.U.A.Tennakoon (Past Vice Chairperson of NARBO)



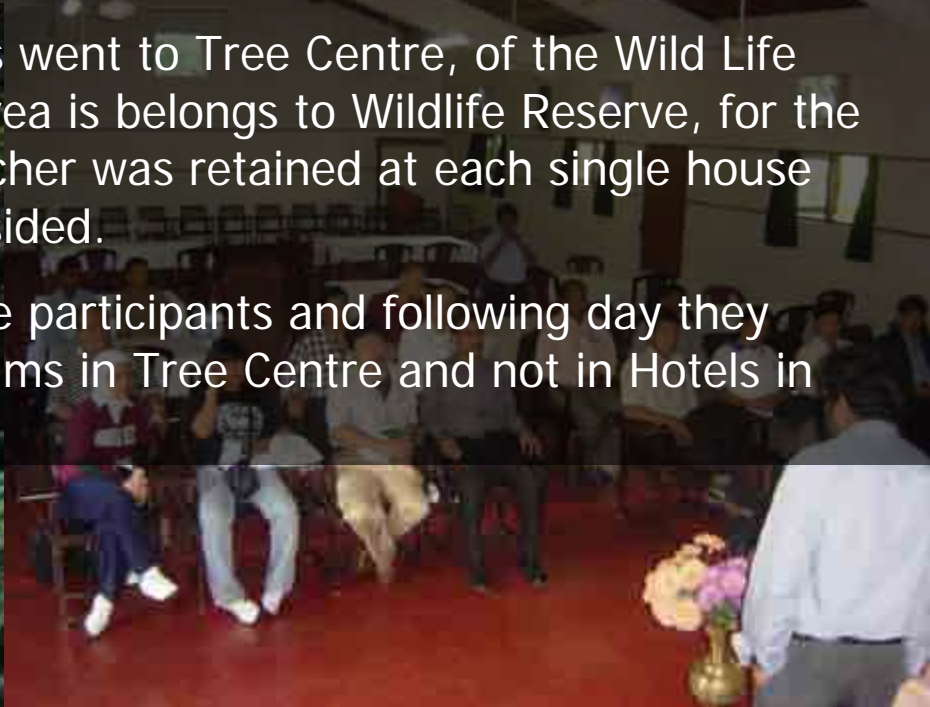
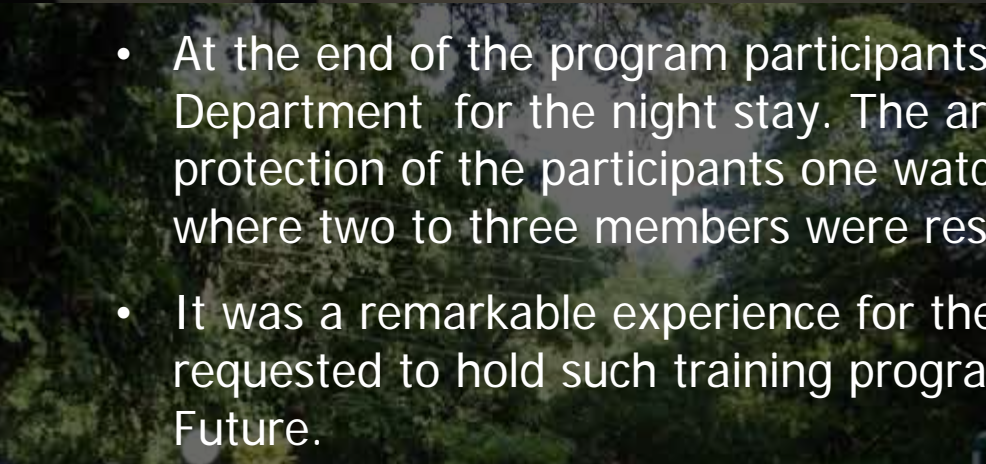
Current Water Management in Sri Lanka - Overview by
Eng. G.T. Dharmasena

Field Programme Victoria Dam Site

- Basic information, Catchment Management, Power Generation, Regulation Water for Irrigation , how gates are operated at FSL and how Dam Movements are measured , Seepage measurement etc. were demonstrated.
- All the participants were highly appreciated and impressed about the level of management of these dams by the MASL.
- All the participants were given relevant brochures and information file for them to do self study while traveling.

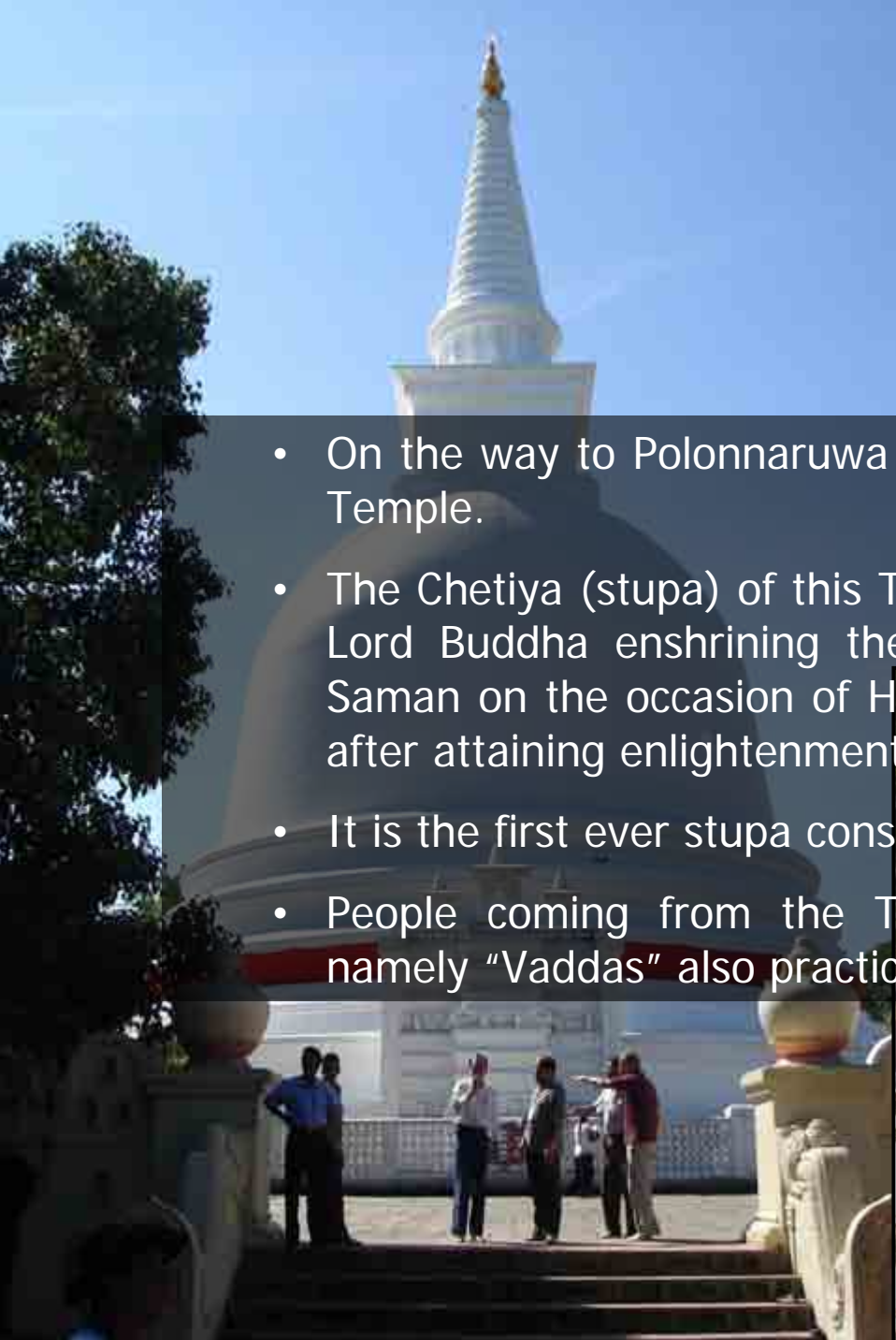
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- Mr. G T Gamage, EIC Randenigala warmly welcomed the participants and explained Randenigala Dam and its important features etc.
- Also he responded to clarifications and questions raised by the participants.
- Presentation made by Mr. Aruppola covering Mahaweli Cascade, special focus of Victoria, Randenigala and Rantembe Reservoirs.
- At the end of the program participants went to Tree Centre, of the Wild Life Department for the night stay. The area belongs to Wildlife Reserve, for the protection of the participants one watcher was retained at each single house where two to three members were resided.
- It was a remarkable experience for the participants and following day they requested to hold such training programs in Tree Centre and not in Hotels in Future.



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- On the way to Polonnaruwa the team arrived to the Mahiyangana Temple.
- The Chetiya (stupa) of this Temple was built during the lifetime of Lord Buddha enshrining the lock of hair given by Him to God Saman on the occasion of His first visit to Sri Lanka, nine months after attaining enlightenment.
- It is the first ever stupa constructed in Sri Lanka.
- People coming from the Tribal groups are living in this area namely "Vaddas" also practice traditional IWRM techniques.

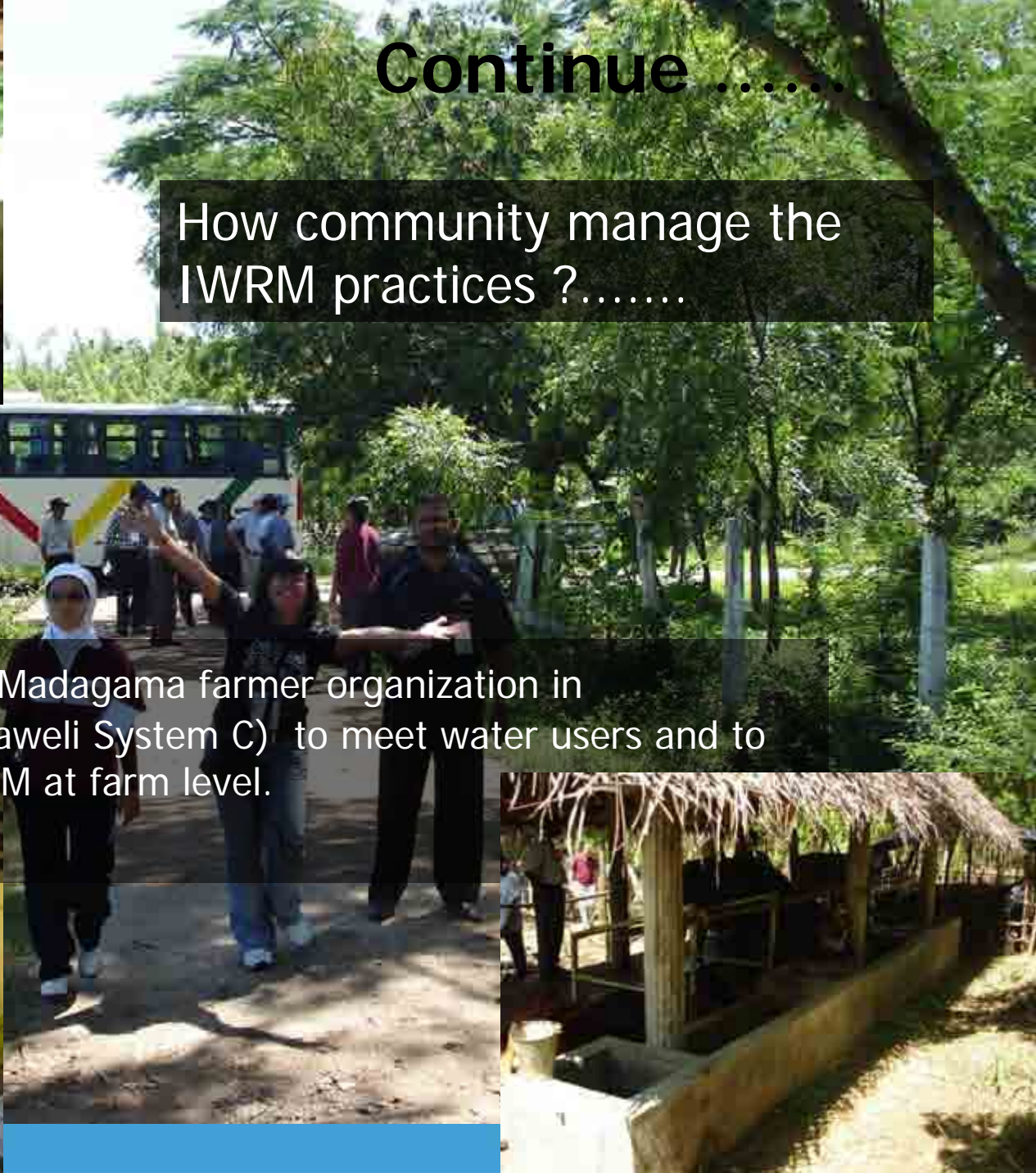


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How community manage the IWRM practices ?.....



- The team Visited to Madagama farmer organization in Dehiattakandiya (Mahaweli System C) to meet water users and to get experience of IWRM at farm level.



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- The Team came near to Sigiriya Rock at about 4.30 PM. As there was no enough time to climb rock the Organizing Committee decided to proceed to the Hotel.
- The history of Sigiriya dates back to over 5000 thousand years, to the Mesolithic period. One of SriLanka's major attractions and a World Heritage Site, Sigiriya (Lion Rock) came into prominence in the 5th centaury AD.
- The frescoes of the " heavenly maidens " halfway up the rock in a sheltered gallery, are the only painted renderings of a secular subject in this country. The ' mirror wall ', which records the poetic outpourings of early visitors to the rock and the colossal plan of the royal palace, water gardens and fortifications, is entirely fascinating.

Group work on Field Programme

- **Group – 1**

Social and environmental impacts of Large Dams.

- **Group – 2**

Importance of large storage reservoirs in multi-sectoral water usage.

- **Group – 3**

How successful, farmer participation in decision making process in Irrigation Management.



Reporting Session

Based on the findings of the field visit with regard to the respective themes each group made presentations and followed by question and answer session.



Group -3



Group -2



Group -1

Concluding Session



- Concluding remarks of ADB
- Concluding remarks of NARBO Secretariat.
- Comments & suggestions of participants from each Country.
- Certificate awarding
- Concluding remarks from organizing committee
- Vote of Thanks



A tropical resort scene featuring a thatched-roof building, palm trees, and a beach in the background. The text "Thank You very much for your Attention" is overlaid in the center.

**Thank You very much for your
Attention**