

Summary Programme

Day 01 - Tuesday 9th June

08:00 - 9:00	Registration
09:00 - 12:10	Inaugural Session Conference room A
12:10 - 13:30	Lunch Break
13:30 - 17:00	Technical Sessions <ol style="list-style-type: none">1. Irrigation for food security - Conference room C2. Water quality and environment - Conference room D3. Policies and institutions for water management - Conference room E

Day 02 - Wednesday 10th June

09:00 - 17:00	Technical Sessions <ol style="list-style-type: none">1. Irrigation for food security - Conference room C2. Water quality and environment - Conference room D3. Policies and institutions for water management - Conference room E
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Day 03 - Thursday 11th June

09:00 - 12:00	Research and Development Priority Identification Conference room A
12:00 - 13:00	Lunch

Day 1, Tuesday 9th June 2009

08:00-09:00	REGISTRATION
09:00-12:10	INAUGURAL SESSION
09:00-09:15	Lighting of the Oil Lamp
Chairman	Eng. Ivan de Silva, Secretary, Ministry of Irrigation and Water Management and IWMI Board Member
09:15-09:25	Welcome and Objectives of the Conference - Dr. Madar Samad, Regional Director South Asia, IWMI
09:25-09:35	Address by Eng. H. P. S. Somasiri, DG, Irrigation Department
09:35-09:45	Address by Dr. C. Kudagama, DG, Dept of Agriculture
09:45-09:55	Address by Mr. V. K. Nanayakkara, Director HARTI
09:55-10:10	IWMI's New Strategy and Plans for Sri Lanka - Dr. Colin Chartres, DG, IWMI
10:10-10:40	Tea Break
10:40-11:10	Keynote Speech - Building Sustainable Water Security System - Prof. M. S. Swaminathan, Member of the Rajya Sabha and Chairman, M. S. Swaminathan Foundation
11:10-11:25	Address by Hon. Chamal Rajapaksa, Minister of Irrigation and Water Management, Guest of Honour
11:25-11:40	Address by Hon. Maithripala Sirisena, Minister of Agriculture Development and Agrarian Services, Guest of Honour
11:40-12:00	Address by Hon. Ratnasiri Wickramanayake, Prime Minister of Sri Lanka, Chief Guest
12:00-12:10	Vote of Thanks - Dr. Herath Manthrithilake
12:10-13:30	LUNCH

13:30 - 17:00

PARALLEL TECHNICAL SESSIONS

Technical Session 1	Technical Session 2	Technical Session 3
Conference Room C	Conference Room D	Conference Room E
1.1 Revitalizing Irrigation Systems for Food Security	2.1 Environment and Agriculture	3.1 Policy Interventions to Improve Water Productivity and Access to Water
Chair: Eng. H P S Somasiri	Chair: Eng. H M Jayatilake	Chair: Dr Aditi Mukherji
Lead speaker Dr Tushaar Shah	Lead speaker Dr David Molden	Lead speaker Dr Dasarath Jayasuriya
<p>Agriculture, Environment and Food security P. B. Dharmasena</p> <p>Natural Rhythm (rain fed Agriculture) Cultural rhythm and Food Security in the North-Central Province of Sri Lanka H. M. D. R. Herath</p> <p>Participatory Approach to Minimise Flood and drainage Impacts on Agricultural Lands - Case study of Walawe Basin W. J. Prematunga</p>	<p>Wetlands and agriculture: a case for IWRM in Sri Lanka Sithara S. Atapattu*, Sanjiv de Silva and Sonali S. Sellamuttu</p> <p>Improving Biodiversity and Productivity in Dry Zone Home Gardens through Rain Water Harvesting Tanuja N. Ariyananda</p> <p>Non-user benefits emanating from enhanced water flow to Yala Protected Area Complex Parakrama Weligamage, Walter R. Butcher, Keith A. Blatner, C. Richard Shumway and, Mark Giordano</p>	<p>Sri Lanka's Water Policy: Themes and Issues V. K. Nanayakkara</p> <p>Enhancement of Capacity of Farmer Organizations for Sustainable Irrigation Systems in Anuradhapura and Kurunegala Districts S. Thiruchelvam</p> <p>Multiplier impacts of irrigation Investments Deeptha Wijerathna and Kamal Karunagoda</p>

15:00-15:20

REFRESHMENT BREAK

15:20-17:00

PARALLEL TECHNICAL SESSIONS (CONTINUED) AND DISCUSSION

<p>A Holistic Approach to ensure food security through Cascade System Development in Dry Zone of Sri Lanka -A practice from Plan Sri Lanka K. H. Jagath Kumara Harischandra</p>	<p>Environmental Flows Assessment and Valuation - Recent Examples from Sri Lanka P. Dissanayake*, N. Weragala and V. Smakhtin</p> <p>How to minimize negative impacts of Bundala National Park (Ramasr Wetland) by Irrigation Development of Kirindi Oya River basin in Southern Part of Sri Lanka W. D. S. Abeywickrama</p>	<p>Interventions necessary in capacity building in existing water organizations to improve productivity and access to water Badra Kamaladasa</p> <p>Contribution of food markets and their behavior for food security: a comparative study on marketing arrangements in different irrigation systems T A Dharmaratne</p>
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Day 2, Wednesday 10th June 2009

09:00-10:20 PARALLEL TECHNICAL SESSIONS

Technical Session 1	Technical Session 2	Technical Session 3
Conference Room C	Conference Room D	Conference Room E
Revitalizing Irrigation Systems for Food Security	Water Quality and Potential Reuse	Policy Interventions to Improve Water Productivity and Access to Water
Chair: Dr Herath Manthritilake	Chairs: Dr Pay Drechsel Dr Priyanie Amerasinghe	Chair: Dr Mark Giordano
<p>Instability of paddy production and regional food insecurity in Sri Lanka A. P. S. Fernando, A. M. S. Perera and K. Karunagoda</p> <p>Food security and rural irrigation rehabilitation experiences from rural irrigation rehabilitation in Ratnapura District of Sri Lanka B. V. S. K. Bopitiya</p> <p>Utilization of aquatic plants: A method to enhance the productivity of water in seasonal tanks in Anuradhapura district J. U. Munasinghe*, M. A. A. B. Dilhan and T. V. Sundarabarathy</p> <p>Sustainable land use patterns of the traditional village tank cascade system in the Dry Zone of Sri Lanka - Case study of the Parahalmillewa Cascade at Medawachchiya K. W. G. Rekha Nianthi</p>	<p>Treatment and Non-Treatment Options to Improve the Quality Irrigation Water Contaminated with Wastewater- Example from Kurunegala, Sri Lanka Priyanka Dissanayake and Alexandra Evans</p> <p>Cost effective approach to assess water pollution potential by fungicide residues using three agricultural environments in upcountry of Sri Lanka Ransilu C. Watawala, Janitha A Liyanage and Ananda Mallawatantri</p> <p>Potential to increase the area under paddy cultivation with domestic and municipal wastewater irrigation in Kurunegala district U. S. C. Udagedara and M. M. M. Najim</p> <p>Availability and spatial variability of plant nutrients in paddy fields of Wilgoda irrigation scheme in Kurunegala D. N. Sirisena, W. M. U. K. Rathnayake and W. M. J. Bandara</p>	<p>Local Governance for effective and productive water management process Sisira Saddhamangala Withanachchi</p> <p>Sri Lanka's Water Future to 2025-2050 - Scenarios and Issues Upali Amarasinghe</p> <p>Economic Valuation of Irrigation Water under a Major Irrigation Scheme (Gal Oya) in Eastern Sri Lanka A. N. Ahamed and P. Sivarajah</p> <p>Sand barriers and Access to water - community pressure and policy interventions in river sand mining in Sri Lanka Kusum Athukorala and Champa Navaratne</p>

10:20-10:40 REFRESHMENT BREAK

10:40-13:00

PARALLEL TECHNICAL SESSIONS (CONTINUED) AND DISCUSSION

<p>Water Shortage in the Lower Deduru Oya Basin K. N. J. Katupotha</p> <p>Improved paddy production by optimizing use of water in major irrigation systems W. M. G. B. Giragama</p> <p>Impact of water saving irrigation systems on water use, growth and yield of irrigated lowland rice W. M. W. Weerakoon, T. N. N. Priyadarshani, C. H. Piyasiri and L. S. Silva</p> <p>Ancient irrigation technology and water management techniques in Sri Lanka - Appropriate theories and practices for application Chandana Rohana Withanachchi</p>	<p>Consumer Acceptability and Household Water Security through Stored Rainwater; A Case Study in Anuradhapura District M. A. C. S. Bandara, Ranjith Premalal De Silva and N. D. K. Dayawansa</p> <p>The impact of inappropriate soil management on river water quality: A case study in the Kurundu Oya sub catchment of Upper Mahaweli Catchment, Sri Lanka M. G. T. S. Amarasekara*, K. Kumarihamy, N. D. K. Dayawansa and R. P. de Silva</p> <p>Distribution of Fluoride in Groundwater in Some Selected Areas of Anuradhapura District R.M.S. Ratnayake</p> <p>Preliminary Groundwater Assessment and Water Quality Study in the Shallow Aquifer Systems in Attagalalu Oya Basin R. S. Wijesekera* and C. Kudahetty</p>	<p>Irrigation infrastructure Management by Public funds - How it can be made justifiable? Namalee Madawalagama and Badra Kamaladasa</p> <p>Managing Irrigation with Farmers -History, present status and future: Review of Participatory irrigation Management in Sri Lanka K. Jinapala, Lal Premadasa, P. G. Somaratne and M. Samad</p> <p>Policy Alternatives of the Management of Minor and Medium Irrigation Schemes to Develop Groundwater System in Restricted Catchments for the Improvement in Food Productivity in the Dry Zone of Sri Lanka Subramaniam Sivakumar</p> <p>Trends in Irrigation Investments and Options for the Future M. Samad</p>
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13:00-14:00

LUNCH

14:00-17:00

PARALLEL TECHNICAL SESSIONS AND DISCUSSION

Technical Session 1	Technical Session 2	Technical Session 3
Conference Room C	Conference Room D	Conference Room E
Revitalizing Irrigation Systems for Food Security	Climate Change and Agriculture	<ul style="list-style-type: none"> •Data and Information Management for Water Management •Methodologies for a National Water Resources Assessment
Chair: Prof Nimal Gunawardana	Chair: Dr Vladimir Smakhtin	Chair: Mr D J Bandaragoda
<p>Potential for Zero Tillage Technique in Rice and Other Field Crop Cultivation in Rice Based Cropping Systems in Dry and Intermediate Zones of Sri Lanka S. N. Jayawardena, S. W. Abeysekera, N. Gunathilaka and K. Herath</p> <p>Integrating Agroforestry characteristics in to Agro well based Agriculture Muditha P. Perera</p> <p>Importance of Seasonal Planning on Irrigation Water Productivity: Inginiyitiya Experience W. G. Gnanadasa</p> <p>Temporal variation of Agroclimatological Zones in Sri Lanka H. M. J. K. Herath and S. I. S. Subasinghe</p>	<p>Vulnerability to Climatic Change in Sri Lanka: Adaptation Strategies and Layers of Resilience Frank Niranjan</p> <p>Climate Change, Local Institutions and Adaptation Experience: The Village Tank Farming Community in Dry Zone Sri Lanka Athula Senaratne and Kanchana Wickramasinghe</p> <p>Identify the Impact of Tide Level for River Basin Flooding M. D. E. K. Gunathilaka, D. N. D. Perera and W. A. L. Wickramanayake</p> <p>Rainfall fluctuation and changing pattern of agriculture practices S. Senalankadikara* and L. Manawadu</p>	<p>Development of a Water Resources Assessment and Audit Framework for Sri Lanka M. Matin, V. Smakhtin, M. Palliyaguruge, S. Mohideen, N. Yapa, A. Ranjith and S. Gunasinghe</p> <p>Data and information management for water management Rev. Mawila Anomadassi Thero</p> <p>Effects of Land use/ Land Cover on the Water Source Vulnerability: The Cause Study on Intermediate Zone of Matale Districts S. I. S. Subasinghe and H. M. J. K. Herath</p> <p>Green Accounting System for Sri Lanka Athula Senarathna</p>

15:20-15-40

BREAK

15:40-17:00

PARALLEL TECHNICAL SESSIONS (CONTINUED) AND DISCUSSION

System of Rice Intensification (SRI) and Food Security among the Poor: Opportunities and Constraints W. G. Somaratne	<p>Climate Change and Rainfed Agriculture in the Dry Zone of Sri Lanka C. R. Panabokke, B. V. R. Punyawardena</p> <p>How Prepared are Water Resources and Agricultural Sectors in Sri Lanka for Climate Change? A Review N. Eriyagama and V. Smakhtin</p>	<p>Surface runoff estimation over heterogeneous canal commands applying medium resolution remote sensing data with SCS-CN method Priyantha Jayakody and Nilantha Gamage</p> <p>IWMI Research findings in Walawe River Basin B. R. Ariyaratne, P. G. Somaratne, K. Jinapala</p>
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Day 3, Thursday 11th June 2009

09:00-12:00	REPORTS ON TECHNICAL SESSIONS AND DISCUSSION Conference Room A
Chairman	Dr. Colin Chartres
09:00-09:15	Feedback on Technical Session 1, Irrigation for food security Dr. G.G.A. Godaliyadda
09:15-09:30	Feedback on Technical Session 2, Water quality and environment Dr. David Molden
09:30-09:45	Feedback on Technical Session 3, Policies and institutions for water management Mr. V.K. Nanayakkara
09:45-10:30	Open discussion on future research Dr. M. Samad - Moderator
10:30-11:00	Tea Break
11:00-11:50	Open discussion on future research (continued) Dr. M. Samad - Moderator
11:50-12:00	Concluding remarks Dr. Colin Chartres
12:00-13:30	LUNCH