



**SaciWATERS**  
*10 years 2002 to 2012*

**Annual Report**  
**2011-2012**

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# Our Vision

South Asia, home to nearly a quarter of the world's population, has the highest concentration of poor people. The region is endowed with vast water resources, yet there seems to be a perpetual shortage and uneven water distribution. Rapid urbanization, industrialization & affects of climate change also contribute to this palpable crisis. Regional cooperation for equitable water sharing is still a piped dream. Hence, a paradigm shift in the overall framework for water management is necessary.

The South Asia Consortium for Interdisciplinary Water Resources Studies, SaciWATERS, is committed to work "Towards an interdisciplinary South Asian water resources knowledge system". It is active in three domains: education, research and advocacy. SaciWATERS is committed to bring structural change in the dominant water resources management paradigm in South Asia. Within which, we focus on transforming water resources knowledge systems. The key idea is to have interdisciplinary approach to understanding water resources issues from a pro-poor human development perspective, with an emphasis on exchange, interaction and collaboration at South Asia level.

# Our Organization

Registered under the Societies Registration Act XXI 1860, SaciWATERs was set up in 2001 for bringing in the interdisciplinary approach to understand water resources issues, from a pro-poor, human development perspective, with emphasis on exchange, interaction and collaboration at the South Asia level.

## Board of Governors

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Ms. Seema Kulkarni (Executive Member), Research Fellow, Society for Promoting Participative Eco-system Management (SOPPECOM), Pune, India.

Dr. K. Palanisami (Executive Member), Director, IWMI-Tata Water Policy Program, International Water Management Institute, South Asia Regional Office, Hyderabad, India.

Dr. N. C. Narayanan (Executive Member), Associate Professor, Centre for Technology Alternatives for Rural Areas (CTARA), IIT-Mumbai, India.

# Our Partners

Bangladesh Centre for Advance Studies (BCAS), Dhaka, Bangladesh

Institute of Water and Flood Management (IWFM) Bangladesh University of Engineering and Technology (BUET) Dhaka, Bangladesh

Centre for Water Resources (CWR), Anna University, Chennai, India

East West Centre, Hawaii, USA

Irrigation and Water Engineering Group (IWE), Wageningen University and Research Centre, The Netherlands

Nepal Engineering College (NEC), Pokhara University, Kathmandu, Nepal

Royal Society for Protection of Nature (RSPN), Thimphu, Bhutan

Sustainable Development Policy Institute (SDPI), Islamabad, Pakistan

Tata Institute of Social Sciences (TISS), Mumbai, India

Post Graduate Institute of Agriculture (PGIA), University of Peradeniya, Peradeniya, Sri Lanka

# Foreword


The South Asia Consortium for Interdisciplinary Water Resources Studies, SaciWATERs, is committed to bring structural changes in the water resources management paradigm in South Asia. Within which, SaciWATERs focuses on transforming water resources knowledge systems. The key idea is to have interdisciplinary approach for understanding water resources issues, from a pro-poor, human development perspective, with an emphasis on exchange, interaction and collaboration at the South Asia level. This year, SaciWATERs has completed 10 years since its inception in 2002.

We are pleased to present the Annual Report of SaciWATERs for the year 2011 – 2012. The past year has been fast paced and gratifying. The Crossing Boundaries Project came to an end last year. All the activities identified in the activity plan 2011 were completed during the last year with good progress. The Peri-urban Water Security Project gained momentum. On one hand the research component of the project has been successfully carried out using quantitative and qualitative methods, like questionnaire, surveys and PRA's (focused group discussions). On the other hand, this being an action research project, an equal emphasis had been given to action based activities, for which we have partnered with grassroots' level NGO's. Another noteworthy development, is the hosting of the Annual Network Managers' Meeting by SaciWATERs-CapNet Network (SCaN). This meeting was held in Hyderabad, the headquarters of SaciWATERs Secretariat, in December 2011. It was attended by 22 Network Managers, from across the world.

A new project 'Rural to urban transitions and the peri-urban interface: Identifying, mapping, and understanding peri-urban areas in India and Pakistan' was kick-started last year in collaboration with the East West Center (EWC), Hawaii, USA and Sustainable Development Policy Institute (SDPI), Islamabad, Pakistan. The project has taken up a promising start.

SaciWATERs is making its presence felt in the global arena with its team's presence in the 6th World Water Forum in France and other international and South Asian advocacy forums.

Finally, SaciWATERs would like to express its gratitude to all its supporters and partner institutions for their support which has made it possible for us to realize our vision of making a marked difference in the water sector.

  
Prof. S. Janakarajan  
President, Executive Board  
SaciWATERs

# Executive Director's note

SaciWATERs with its humble beginnings in 2002, has taken giant strides and achieved commendable progress during the past decade. Last year has been an exciting, eventful and fulfilling year with many new projects on the anvil and operational projects gathering momentum and clocking significant milestones.

SaciWATERs has now achieved critical mass and a maturity level in its capacity to conceptualize, design and deliver projects and has established its presence in the water sector. While the flagship project of SaciWATERs – Crossing Boundaries is coming to an end, we see that the long standing partnership and capacity building efforts have paid, in terms of the influx of a large number of women and men professionals passing out of partner universities and working in the water sector in the region with a new vision of water management.

The new projects are also working towards regional collaboration in water resources management thinking and for democratisation of water resources in the region. SaciWATERs family is now expanding for a capability building in order to cater the emerging challenges. With expanding operations and more projects in the offing, SaciWATERs felt the need for a bigger office space. It will be moving into a spacious, ergonomically designed new office space shortly.

On behalf of SaciWATERs, I would also like to thank outgoing Executive Director Dr. Chanda Gurung Goodrich for being at the helm of affairs last year and making significant contributions to the growth of the organization. I would also thank our partner institutions who are our strengths for creating an environment for collaboration in the South Asian region. The Board of Governors deserve a special gratitude for their constant support and encouragement. Lastly, I would like to thank SaciWATERs staff, for their unstinting support and for partnering me in scripting the SaciWATERs success story. I would also thank the families of the staff members and the many individuals and organisations who have been associated with us over the years and have provided encouragement and support to our endeavour and whose names do not find mention here.



Dr. Anjal Prakash  
Executive Director  
SaciWATERs



# *Strategic Overview of Projects*



## Regional Capacity Building on Integrated Water Resources Management and Gender & Water in South Asia

The Crossing Boundaries (CB) project, which was started in 2005, aimed to contribute to the paradigm shift in water resources management in South Asia, summarized in the concept of Integrated Water Resources Management (IWRM), by means of a partnership-based programme for capacity building of water professionals on IWRM and gender & water through higher education, innovation and social learning focused research, knowledge based development and networking. Last year, we saw its successful completion.



SaciWATERs, and the Irrigation and Water Engineering group at Wageningen University, implemented the project with four South Asian partner institutions namely Bangladesh Centre for Advanced Studies (BCAS), Dhaka, Bangladesh in collaboration with Institute of Water and Flood Management (IWFM); Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh; Centre for Water Resources (CWR), Anna University, Chennai, Tamil Nadu, India; Nepal Engineering College, Kathmandu, Nepal; Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka and Tata Institute of Social Sciences (TISS) Mumbai, India.

The activities of the project took place at two levels, the national and the South Asian. The university Partner Institutions (PIs) implemented the national level activities. The regional South Asia level activities were coordinated and implemented by SaciWATERs in collaboration with the PIs. For implementation of the project the CB Project Office was established in Hyderabad, India, in the SaciWATERs office. Wageningen University provided support and backstopping activities at both the South Asian and national levels, and selected substantive inputs. Wageningen University was the budget holder of the project and the Directorate General for International Cooperation (DGIS) contract partner.

The progress made from January to December 2011 is highlighted below corresponding to the broad objectives of the project - education, research, knowledge base development, networking and outreach. All the activities identified in the activity plan 2011 were completed during the reporting period with good progress.

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## Education and Research:

All the interventions made under the education component, such as introduction of new courses, staff training, development of teaching cases and South Asian Water (SAWA) Fellowship workshops have been completed. Courses, which were technically oriented have been revamped or replaced with courses, which have a multisectoral as well as a multi disciplinary approach. One of the notable achievements under the education component in year 2011 is the production of 10 online e-compendiums for wider use.

Two short term training programmes were conducted by PGIA (“Water and Sanitation” for 21 Public Health Inspectors of Mannar area of Sri Lanka) and NEC in collaboration with the Department of Irrigation, (for 17 Government personnel of Nepal working in the area of water resources planning, development and management).

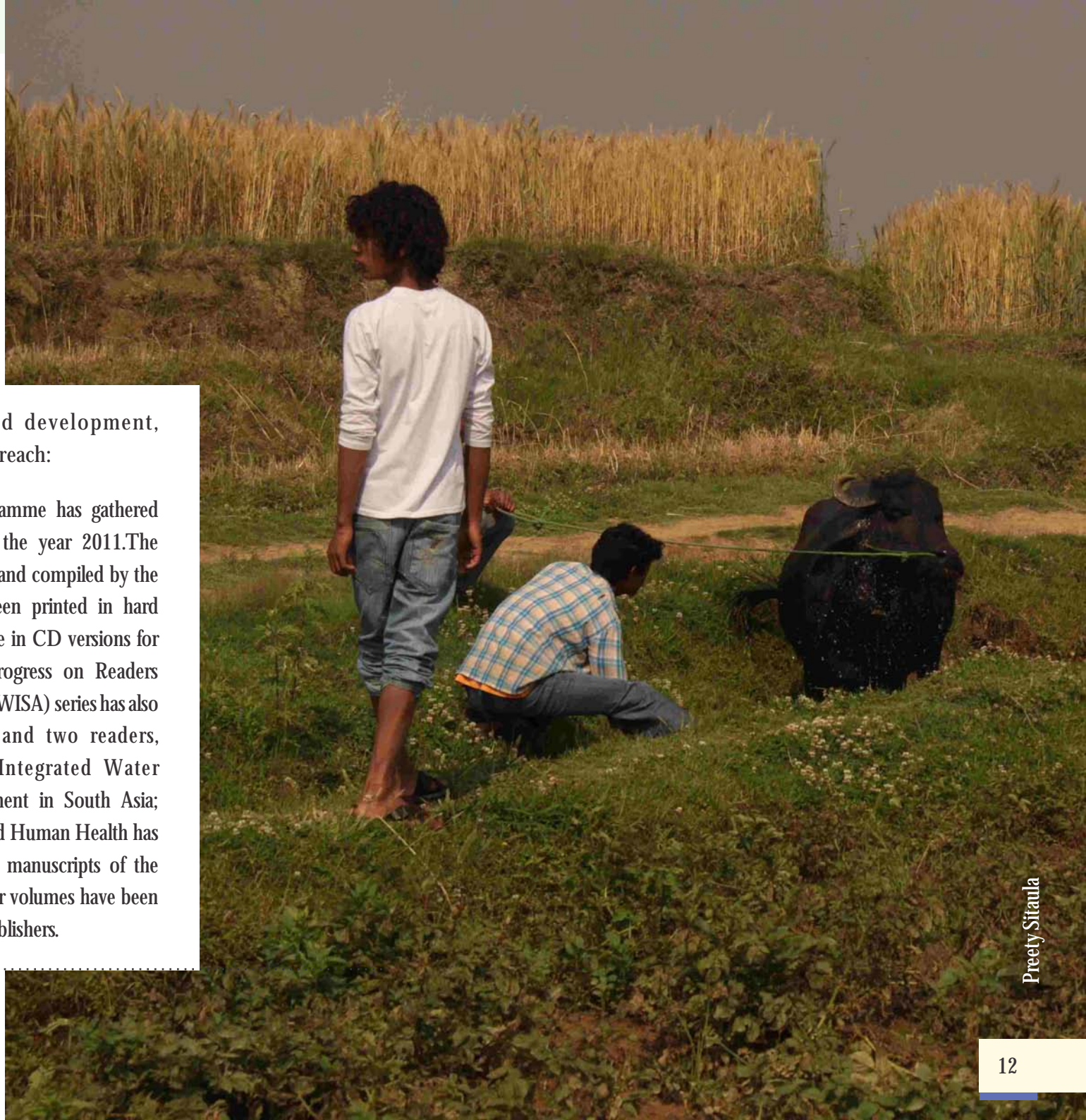
There were 185 scholarships awarded, during the project period (88% of these scholarships went to women students) out of which 175 students continued the studies. Thus, the dropout rate is 5.5 %. The total number of SAWA Fellow graduated is 117. The table below gives a consolidated view of the scholarships granted and students graduated.

Table: Scholarship status of SAWA Fellows 2012

Year of Scholarship	BUET (Bangladesh)		CWR (India)		NEC (Nepal)		PGIA (Sri Lanka)	
	M	F	M	F	M	F	M	F
2006	3	7	0	6	0	0	0	10
2007	1	5	0	14	2	8	0	6
2008	2	8	0	10	2	8	0	10
2009	5	11	0	9	3	7	0	16
2010	3	3	0	11	0	0	0	5
Total	14	34	0	50	7	23	0	47
Graduation Status 2012	10	18	0	50	3	9	0	27

Knowledge based development,  
networking and outreach:

The outreach programme has gathered momentum during the year 2011. The books/reports done and compiled by the CB Project have been printed in hard copies and also made in CD versions for distribution. The progress on Readers Water in South Asia (WISA) series has also been satisfactory and two readers, Ecosystems and Integrated Water Resources Management in South Asia; Interlacing Water and Human Health has come out while the manuscripts of the remaining four reader volumes have been handed over to the publishers.



## Water Security in Peri-urban South Asia: Adapting to Climate Change and Urbanization

This project is focusing on the implications of urbanization processes for water access and use in peri-urban locations in 4 select research sites- Khulna(Bangladesh), Gurgaon(India), Hyderabad(India) and Kathmandu(Nepal) in South Asia. Further, it is examining water related vulnerability, adaptation and resilience of different social groups in the context of climate change. The project has been underway since July 2010 and is supported under a research grant of International Development Research Centre(IDRC), Canada.

Last year, witnessed the identification and finalisation of peri-urban villages where the research team was to focus its activities for the next two and half years of the project.



In Khulna, a preliminary 'perception study' was conducted during the last phase to understand local people's views on climate change impacts and how these relate to their daily living. Apart from this, secondary hydro-meteorological data has been analyzed to determine historical trends in climatic variables and river water salinity, and to practically correlate the changes with regional hydrology. Two community-level workshops, several FGDs and village meetings have been arranged to identify the vulnerabilities and to assess possible action inputs required. A community-based solid waste management system at Chhoto Boyra was supported as a pilot intervention..

In Gurgaon, The implications of climatic variability has been studied primarily using semi-structured interviews and the residents' narratives of their lived experience of climate change. Seasonality analyses was carried out to understand how the demand for water varies at different times of the year and also how the duration of the various seasons has changed over a period of time. Wealth-ranking exercises have been carried out to look at the patterns of asset ownership in the villages. The project has been able to bring the water service providers, closer to the communities through stakeholders meeting and this has increased the power of the communities to negotiate for solution of their water related problems. The Public Health Engineering Department (PHED) now promises to work in close coordination with the villagers.

In Hyderabad, the team was able to delve deeper into the interactions with climate change and urbanisation with specific communities and how they are likely to be vulnerable in future. The team also focussed on direct engagements with the communities through stakeholders meetings and capacity building workshops to build their resilience and to expose them to more sustainable adaptation strategies. Further,

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two GIS studies have been concluded during this phase-for Shamirpet Lake and surface water bodies in Ravirala and Mallampet. Three micro level studies on water security issues, irrigation systems and commercial tanker operations in the villages of Mallampet and Aliabad have been undertaken by interns. Apart from this, government officials have been exposed through an orientation on the interlinkages between climate change, water and urbanisation, so that during uptake of technical interventions, these interactions could be kept in mind.

In Kathmandu, a database on the state of water resources and connected livelihood resources at the study sites has been developed. An analysis of hydro-meteorological data and perception of the people about the changing climate and resultant stress on water availability has been examined. Water quality analysis at selected locations, community level meetings, exposure visits, workshops, capacity building training for the community, and networking with institutions working on similar issues has been some of the main activities undertaken during the last year. Other key activities include gender-segregated household questionnaire survey and identification of the issues for cost-benefit analysis.

#### Second Coordination Workshop – March 2010, Khulna, Bangladesh

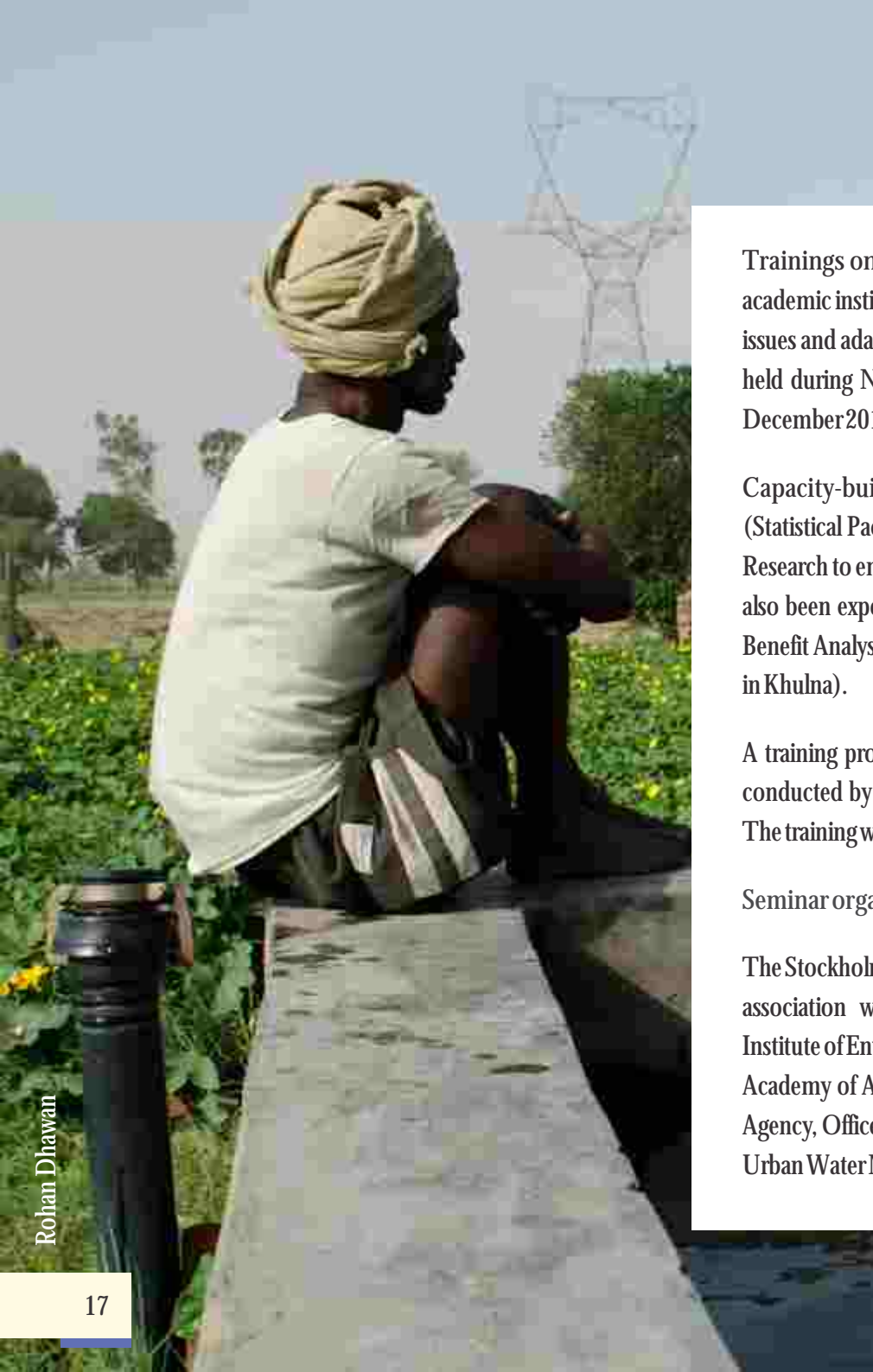
Second in the series, a coordination and monitoring workshop was held in Khulna, Bangladesh that marked the end of the initiation phase of the 'Water Security in Peri-urban South Asia' Project. The main objective of the workshop was to consolidate the exploratory study and firm up study objectives before moving ahead into the next two years of action research.



Stakeholders' dialogue was held in the four research locations which brought to light, the water security and vulnerability issues in the peri-urban areas. The local stakeholders meetings and awareness programmes brought many such issues of water security in peri-urban areas to the forefront. While in Khulna, Bangladesh, multi-stakeholder consultation meetings were held to have a better understanding of the community problems. The aim was to develop a common platform in order to save the Mayur River. In Hyderabad and Gurgaon, meetings focussed on mobilising stakeholders for formation of a *Water and Sanitation Committee* in the village with representation from all socio-economic groups and to bring communities closer to service providers respectively.

Capacity Building Workshops were also organised in the research areas and were targeted towards community and government officials working at the local level in the peri-urban field sites. A series of Capacity Building Training Programmes were conducted by SaciWATERS in collaboration with MV Foundation, Hyderabad, India. In November 2011, a team of villagers from Ravirala, one of project sites at Hyderabad, visited Mondigowrelly at Yacharam mandal to study the “contours and dynamics” of watershed development. Apart from this training on “Water Harvesting and Management” was organised in March 2012 at Central Research Institute for Dryland Agriculture (CRIDA). The training targeted farmers, women and youth of the Ravirala and Aliabad villages. In Gurgaon, a group of village youth received training in the technical fields through capacity building programmes organised by the GMR group to provide another source of income in the face of disappearing agriculture due to landlessness.





Trainings on climate change were organised to develop the institutional capacity of academic institutions, NGOs and service providers in understanding the climate change issues and adaptation needed in the water sector. In Khulna, a two day programme was held during November 2011. In Kathmandu, two exposure visits were organised in December 2011 for the villagers from Lubhu.

Capacity-building of the researchers: The research team organised training on SPSS (Statistical Package for Social Sciences) in collaboration with Sambodhi and Sampling Research to enable systematic quantitative analysis in all the research sites. The team has also been exposed to a basic understanding of the concept and method of using Cost Benefit Analysis (to gauge adaptation responses) and Climate Change Analysis (except in Khulna).

A training programme on “Managing Information Resources in the Digital Age” was conducted by Center for Science and Environment, New Delhi, India in March 2012. The training was attended by Mr. Md Fahad, Graphic Cum Web Designer.

Seminar organised at Stockholm World Water Week:

The Stockholm World Water Week, 2011 was held from August 21-27. SaciWATERs in association with International Development Research Centre (IDRC), Canada; Institute of Environment and Sustainable Development in Agriculture (IEDA); Chinese Academy of Agricultural Sciences (CAAS), China; and US Environmental Protection Agency, Office of Water (US EPA) organised a seminar on Levers of Change in (Peri) Urban Water Management on August 23, 2011.

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### Third Coordination Workshop, Jan 2012, Gurgaon, India

The third Coordination Workshop of the Water Security in Peri-urban South Asia Project was conducted in Gurgaon with an objective to reflect the progress made by teams from the four research locations and develop a shared understanding on the methodological tools and action work to be adopted in order to meet the objectives of the project.

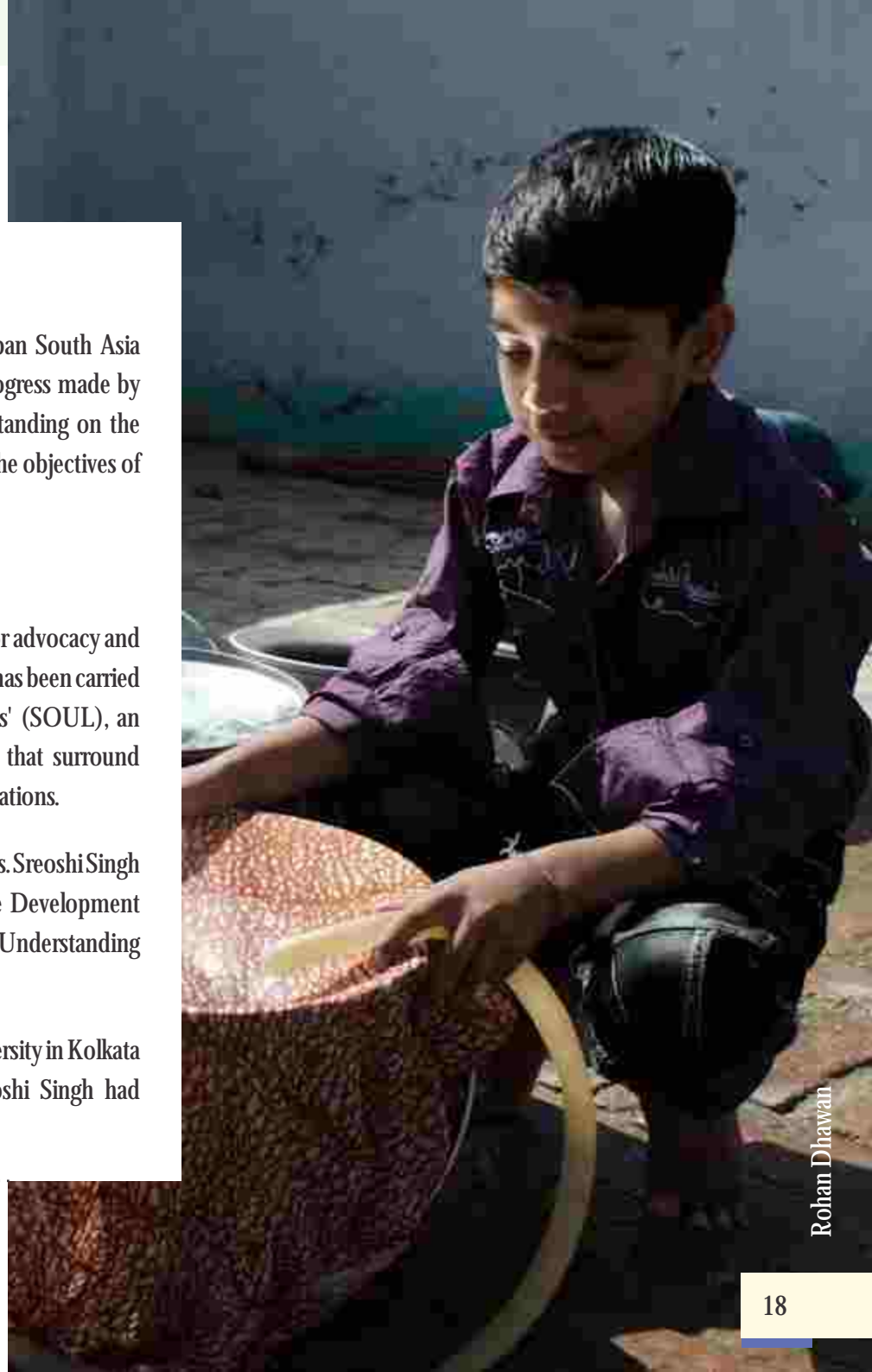
### Advocacy and Action

In all the four research locations, two villages each, have been selected for advocacy and action programme. Under this, increased village stakeholders's dialogue has been carried out. In Hyderabad, the team has aligned with 'Save our Urban Lakes' (SOUL), an advocacy group which is working for saving about 3000 odd lakes that surround Hyderabad city. Both these advocacy programmes have large scale implications.

As a part of the Peri-urban Project, three researchers Dr. Anjal Prakash, Ms. Sreoshi Singh and Dr. Vishal Narain contributed a paper in the India Infrastructure Development Report 2011. The paper titled - Changing Waterscapes in the Periphery: Understanding Peri-urban Water Security in Urbanizing India.

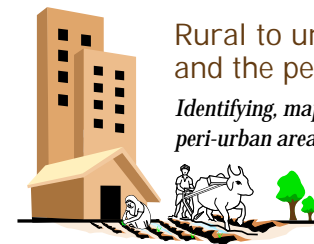
A two day workshop was organised in March 2012 by the Monash University in Kolkata on "Managing Community Impacts of Climate Change". Ms. Sreoshi Singh had presented the claims of the Peri-urban water security project.

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## Rural to urban transitions and the peri-urban interface: Identifying, mapping, and understanding peri-urban areas in India and Pakistan

This project is being led by the East West Center, Hawai(USA) in collaboration with SaciWATERs, Hyderabad (India) and SDPI, Islamabad (Pakistan). It is a two-year project engaging experts, scholars, promising young professionals, and students from India and Pakistan in a complex research problem in order to develop mutual interests and relationships around the topic of rural to urban transitions and peri-urban interfaces in South Asia. Every effort is being made to assure that women are well represented in all groups. Researchers and students are connected not only in face-to-face encounters but also by means of social media and will soon be developing academic papers, policy briefs and other documents to disseminate the results of the policy relevant research. This project is supported by a U.S Department of State grant.



Rural to urban transitions  
and the peri-urban interface  
*Identifying, mapping, and understanding  
peri-urban areas in India and Pakistan*

The broad objectives of the project have been identified to establish a mutually agreed upon programme of research to promote substantive and extended dialogue between Indian and Pakistani scholars, experts, and promising young researchers regarding peri-urbanism, a phenomenon shared by both countries. Another major goal of the project is to work collaboratively to integrate and analyze information and data showing the relative degree of rural, urban, and peri-urban characteristics of selected study areas and then to explore and contrast potential environmental, health, and governance issues among rural, urban, and peri-urban areas within the selected areas of each country and between countries and finally to jointly disseminate project results within and between countries.

### Inception workshop

At the project inception meeting in Islamabad, deliberations focused on the process of coming to a shared understanding of peri-urban concepts and issues, coming to a common understanding of project objectives, design and methodology. A meeting was also arranged to engage with university students and sensitise them to the concept of peri-urban and why they need to be familiar with it, against the conventional education system that trains them in rural development or urban planning.





Understanding the peri-urban process and the multifaceted drivers and implications of this phenomenon:

A detailed and comprehensive literature review has been in progress. An effort is being made to distil the major strands of peri-urban research in India across five broad themes, namely, conceptual issues surrounding peri-urban, the drivers of the peri-urban process, natural resource and environmental implications of the process of periurbanization, implications for health and human well-being and governance and public policy issues. An outline for the report was developed at the start of the project to provide some direction and overall structure and purpose to the literature review. More than 60 documents have been reviewed, including peer-reviewed journal papers, chapters in edited books, some articles in the media and web-posts as well. The initial reactions are that the major points of argument in the literature do correspond to our specification of themes, though more recent writings lean heavily around issues of governance, particularly the exclusion of the peri-urban residents themselves from the policy process. This is an idea that reverberates in much of the literature reviewed thus far.



## SaciWATERs-CapNet Network (SCaN)

The SaciWATERs-CapNet Network (SCaN) is a platform for partnership towards capacity building in Integrated Water Resources Management (IWRM) across the South Asia region. It comprises of autonomous regional and national institutions and individuals committed to capacity building in the water sector. The network has been conceptualised by SaciWATERs in partnership with Cap-Net, an international network for capacity building in IWRM. The SaciWATERs hosts the network and acts as its legal, administrative and financial umbrella.





The vision of SCaN is to strengthen the human and institutional capacity by adopting an integrated approach within water sector in South Asia region through education & training; research; knowledge based development; advocacy; and networking.

The following is a brief account of the capacity building activities implemented by SCaN

#### Capacity Building in Use of Open Source Geospatial Tools in IWRM, April 2011

SCaN in association with OSGeo-India and Salim Ali Centre for Ornithology and Natural History (SACON) held a three day workshop on the use of Open Source Geospatial Tools in IWRM, at the International Institute of Information Technology (IIIT), in April 2011 at Hyderabad, India. The workshop provided hands-on training on understanding and deriving watershed technology, estimating water supply and water demand, and publishing data that would aid decision makers and other stakeholders. A total number of 20 participants from NGOs, CBOs and Govt. agencies active in the water sector participated in the workshop.

#### Understanding and Resolving Water Conflicts in India, July 2011

Forum for Policy Dialogue on Water Conflicts in India in collaboration with Baitarani Initiative, Odisha State Resource Centre of the Forum and SCaN organized a training Programme on Understanding and Resolving Water Conflicts at Satapada on Chilika Lake, Odisha in July 2011. This training programme was aimed at introducing participants to the basic concepts, debates, theoretical and analytical approaches and emerging issues related to water, water conflicts and their resolution in India. The programme was designed for middle level / senior level functionaries of NGO / civil society groups and movements, government officials in water resource departments, researchers / teachers from academia, lawyers, media professionals and activists working on water related issues. There were 21 participants in the training programme.



## Training of Grassroots Elected Women Members on Water Users Associations in Maharashtra, July-September 2011

SOPPECOM in collaboration with Water Resources Department (WRD), Government of Maharashtra, through the course could reach out to about 100 women and about 40-45 men; elected members from 36 Water Users Associations in Ghod Major Irrigation Project in Ahmednagar district of Northern Maharashtra, India. Since this group of trainees were very new to training and were rural non literate / semi-literate women who were to become key functionaries in the management of water, the trainings were organised at a different pace.

The key goal of this project was to move towards facilitating effective participation of women in Water Users Associations formed in the irrigation sector as part of the new reform. At the end of the training it was concluded that the ball was indeed set rolling as women were enthused enough to initiate discussions in the WUA, and had also started discussing their problems with local level officials and also demanded the right to speak to the senior level officials.

## Cap-Net Network Managers' Meeting 2011

The 2011 Cap-Net Network Managers' Annual Meeting was hosted by SCaN at Hyderabad, India in December 2011. The principal agenda of the meeting included an assessment of the outputs made during the last year and future work plans; identifying areas of collaboration; developing strategic actions for the new phase of the programme; recommending options for Cap-Net institutional arrangements in the future.





## Progress from January to March, 2012

Training Workshop on Understanding and Resolving Water Conflicts in the North East, India January 2012; Guwahati, Assam

This training workshop aimed at introducing participants to the basic concepts, debates, theoretical and analytical approaches and emerging issues related to water, water conflicts and their resolution especially in the specific context of the North East.

The main focus was on water conflicts in the North east and methodologies to resolve them. Hence in terms of time, about one-third of the available time was devoted to understanding water in the context of IWRM, the normative concerns and legal and institutional issues related to water. The remaining two-third of the time was devoted towards understanding water conflicts and conflict resolution methodologies. The workshop designed for civil society groups, government officials, researchers/teachers, lawyers, media professionals and activists working on water related issues was organized by Forum for Policy Dialogue on Water Conflicts in India, in collaboration with Aaranyak, Center for Environment, IIT Guwahati, Arghyam, SaciWATERs-CapNet Network and Cap-Net.

## Training of Trainers in Integrated Water Resources Management in Pakistan, January 2012

The water resources of Pakistan comprises of surface water, ground water and rain water. However, increasing population, environmental degradation etc has led to contamination of water sources. Considering the importance of managing water, the training was made IWRM centric so that available water resources of the country are wisely and scientifically managed and resultant economic benefits of the country are optimised. This training was organised by Mehran University of Engineering and Technology (MUET) in collaboration with SCaN at Jamshoro, Sindh with a total number of 26 participants.

### SCaN Membership Analysis, SCaN Socialise

The current membership of SCaN stands at 127. The progress of SCaN's membership in the past one year has been remarkable. Members belong to various countries of South Asia like India, Nepal, Sri Lanka, Bhutan, Pakistan, and Bangladesh. It also includes some renowned individuals from other countries like Indonesia, Germany, UK, US, Canada and Oman. The cross sectoral membership is in tune with growing awareness at the global level to have an integrated approach to water management.

### SCaN's representation at 6th World Water Forum

Dr. Jayati Chourey, Network Manager-SCaN participated in the preconference, organised by the Women for Water Partnership (WfWP) within the framework of the Women Initiative at the 6th WWForum Marseille, France. A presentation on the 'Capacity Building Initiatives for Women Water Professionals in South Asia' was made by her, where she shared SaciWATERs and SCaN's initiatives for mainstreaming gender in the water sector.



# SaciWATERs Publications



## Published Books

1. Gunawardena E.R. N., Gopal Brij and Kotagama Hemesiri., 2012. Ecosystems and Integrated Water Resources Management in South Asia: SAGE Publications
2. Prakash Anjal, V.S. Saravanana and Chourey Jayati., 2012. Interlacing Water and Human Health: SAGE Publications.
3. Zwartveen Margreet, Ahmed Sara and Gautam Rimal Suman., 2012. Diverting the Flow: Zubaan.

## Discussion Papers:

1. Peri-urban Water Security in a context of urbanization and Climate change: A review of Concepts and Relationships: The paper aims at having a collection of research papers relevant to the concepts which encourages discussion and comments.
2. Water security in Peri-urban Khulna: Adapting to Climate Change and Urbanization
3. Urbanization, climate change and water security: A study of vulnerability and adaptation in Sultanpur and Jhanjhrola Khera in peri-urban Gurgaon, India

## Reports:

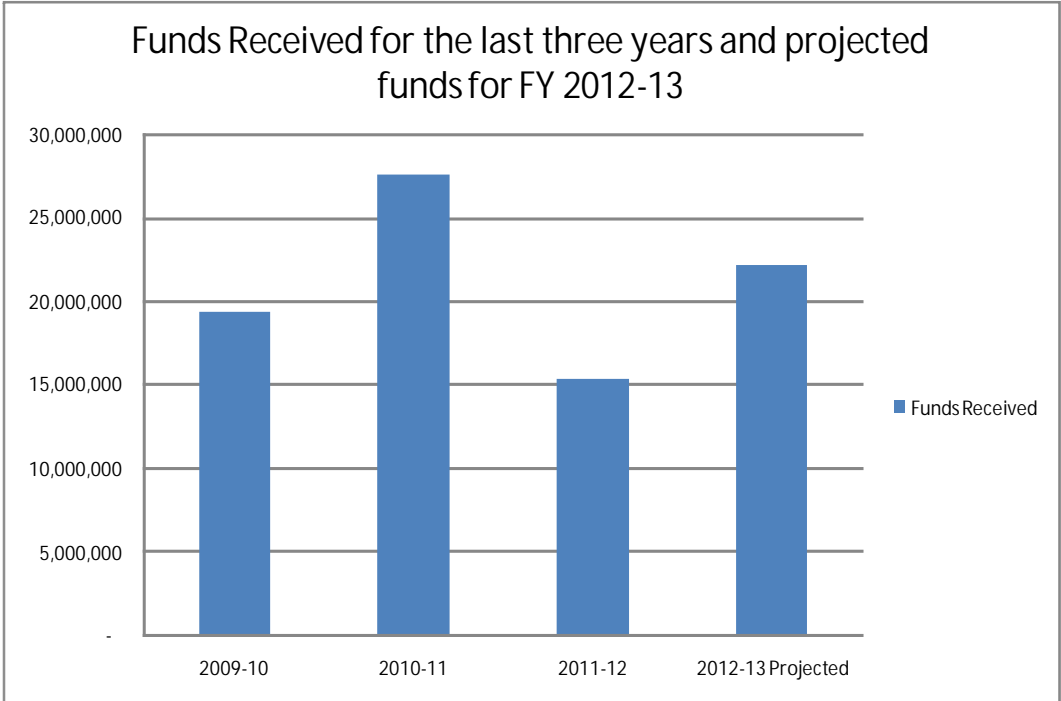
1. Capacity Building of Junior Engineers from Public Health Engineering department, Gurgaon: It was held on April, 12, 2012 in Gurgaon to brief about the concept of peri-urban and IWRM.
2. Inception Workshop- Water security in Peri-urban South Asia: It was held on August 16th- 20th, 2010 at Kathmandu by Dr. Anjal Prakash (Project Director, SAcI Waters).
3. Scoping study report: It was carried out from August 2011 - January 2012. The aim was to investigate the key peri-urban issues.

# Financial Reports



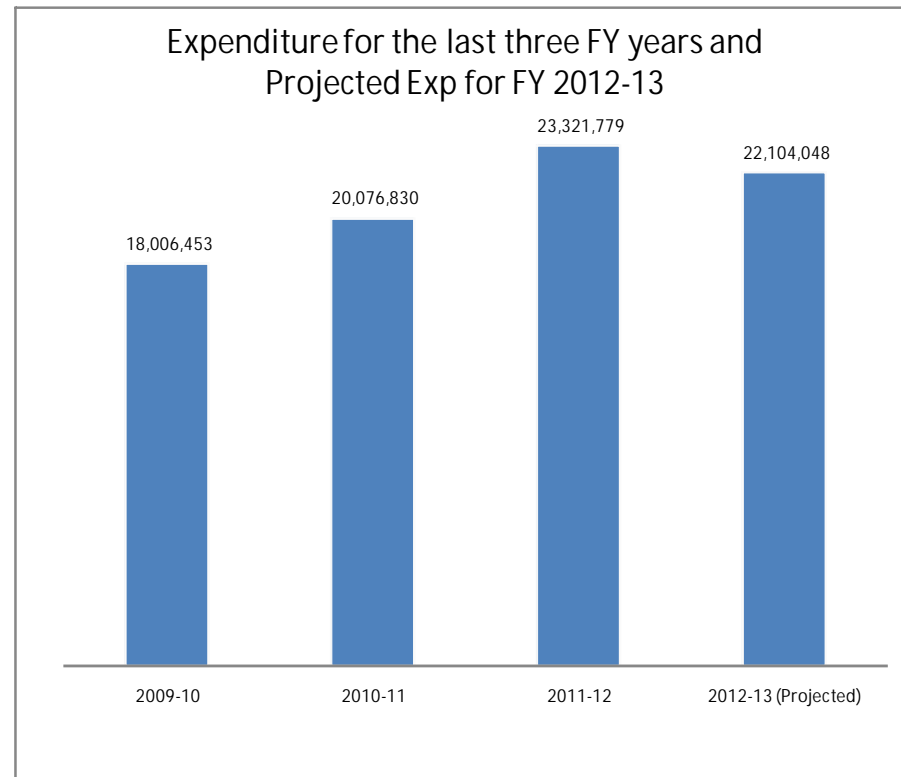
# Funds Received for the last three years

Year	Funds Received(in INR)
2009-10	19,372,728
2010-11	27,609,656
2011-12	15,365,911
2012-13 Projected	22,104,048



# Expenditure for the last three years

Year	Expenditure(in INR)
2009-10	18,006,453
2010-11	20,076,830
2011-12	23,321,779
2012-13 (Projected)	22,104,048





# Auditors Report



**SAMPATH & RAMESH**

**CHARTERED ACCOUNTANTS**

(Regd. No. (FRN) 005947S)

## AUDITOR'S REPORT

To  
**THE MEMBERS,  
SaciWATERS,  
SECUNDERABAD.**

We have audited the attached **Consolidated** Balance Sheet of **SaciWATERS (South Asia Consortium for Interdisciplinary Water Resources Studies), Plot.No: 125 & 126, S.P. Colony, Trimulgherry, Secunderabad-500015** as on 31.03.2012 and annexed Income and Expenditure and Receipts & Payments Account for the period 01.04.2011 to 31.03.2012. These financial statements are the responsibility of the Society. Our responsibility is to express an opinion on these financial statements based on our audit.

We have conducted our audit in accordance with the generally accepted auditing standards in India. Those standards require that we plan and perform to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on test basis, evidence supporting the amounts and disclosures in financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management as well as evaluating overall financial statement presentation. We believe our audit provides reasonable basis for our opinion.

We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.

In our opinion, proper books of accounts have been kept by the Society so far as it appears from our examination of those books.

The Balance Sheet, Income & Expenditure and Receipts & Payments Account dealt with by this report are in agreement with the Books of Account.



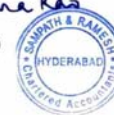
In our opinion and to the best of information and according to the explanations given to us, the accounts read with the schedule and notes thereon give a true and fair view.

- a. in case of Statement of Sources of Funds and Application, of the state of affairs of the Society as at March 31, 2012
- b. in case of Income & Expenditure Account, of the excess of expenditure over income, for the year ended on that date.
- c. in case of Receipts & Payments Account, of the Cash Flows for the period ended on that date.

For Sampath & Ramesh  
Chartered Accountants  
(FRN) 005947S

*T. Venkateswara Rao*

(T. Venkateswara Rao)  
M. No. 212098  
Partner



Place: Hyderabad  
Date: May 22, 2012

**SaciWATERs,  
Plot.No: 125 & 126, S.P. Colony,  
Trimulgherry, Secunderabad-500015**

**01-04-2011 to 31-03-2012**

**NOTES ON ACCOUNTS**

- a) The Society is registered with Income Tax Department as Charitable Institution under 12 A of Income Tax Act vide No.: HQRS.I/86/12A/DIT(E) Dated 23.06.03. conditions/required for exemption of Income, is being complied consequently income of the society is exempt from tax.
  
- b) Expenditure incidental to regulation or organizational activities and formulation of governance policies to the extent related to the project incurred but not specifically provided either component wise or disbursement category wise in the approved budget have been considered based on the approval.

**For Sampath & Ramesh  
Chartered Accountants  
(FRN) 005947S**

*T. Venkateswara Rao*  
**(T. Venkateswara Rao)  
M. No. 212098  
Partner**



**Place: Hyderabad  
Date: May 22, 2012**

# Balance Sheet

**SaciWATERs**  
Plot No. 125 & 126, S.P. Colony  
Trimulghery, Secunderabad - 15.

CONSOLIDATED BALANCE SHEET AS ON 31.03.2012

PARTICULARS	Schedule No	Current Year	Previous Year
		Amount INR	Amount INR
<b>SOURCES OF FUNDS:</b>			
Capital Fund		3,85,640.46	.
General Fund			
Balance as per Last Year		1,12,11,388.21	35,38,021.16
Add: Excess of Income over expenditure /			
Less : Excess of expenditure over income		(76,12,591.08)	76,73,367.05
Add: Institutional Overheads / Reserves		26,63,755.46	
		<b>62,62,552.59</b>	<b>1,12,11,388.21</b>
		<b>62,62,552.59</b>	<b>1,12,11,388.21</b>
<b>TOTAL</b>		<b>66,48,193.05</b>	<b>1,12,11,388.21</b>
<b>APPLICATION OF FUNDS:</b>			
<b>Current Assets, Loans &amp; Advances:</b>			
Fixed Assets	8	3,85,640.46	
Loans and Advances	6	1,18,199.42	4,12,776.02
Closing Balances			
Cash in hand		16,912.63	6,070.23
Cash at Bank		62,69,728.34	1,10,44,980.96
		<b>62,86,641.17</b>	<b>1,10,51,051.19</b>
		<b>67,90,481.05</b>	<b>1,14,63,827.21</b>
<b>Less: Current Liabilities &amp; Provisions</b>			
Current Liabilities	7	1,42,288.00	2,52,439.00
		<b>66,48,193.05</b>	<b>1,12,11,388.21</b>
<b>Net Current Assets</b>		<b>66,48,193.05</b>	<b>1,12,11,388.21</b>
<b>TOTAL</b>		<b>66,48,193.05</b>	<b>1,12,11,388.21</b>

The schedules referred to above and the notes thereon form an integral part of the accounts

As per our report even date attached

for SAMPATH & RAMESH  
Chartered Accountants  
(Regd. No. (FRN) 005947S)

T. Venkateswaraiah  
(T. VENKATESWARAIAH & RAMESH)  
Partner, M.NO. 212/2/3

Place : Hyderabad  
Date : May 22, 2012



For SaciWATERs

(Dr. ANJAL PRAKASH)  
Executive Director

(Prof. JANAKA RAJAN)  
President

(Mr. RAMASETTY MURALI)  
Treasurer



# Income and Expenditure Account

SaciWATERS  
Plot No. 125 & 126, S.P. Colony  
Trimulghery, Secunderabad - 15.

CONSOLIDATED INCOME & EXPENDITURE ACCOUNT  
FOR THE PERIOD ENDING 31.03.2012

PARTICULARS	Schedule No	Current Year Amount INR	Previous Year Amount INR
<b>INCOME :</b>			
<b>Funds received towards</b>	1.1		
Crossing Boudaries Project (WU)		32,58,247.05	2,00,80,361.89
Peri_Urban project (IDRC)		65,02,724.97	58,67,029.32
Fund towards CapNet_SaciWATERS Net work support from UNOPS		3,89,498.18	6,24,590.00
Funds towards CapNet Net work manager meeting		12,13,750.23	
EWC_Rural to Urban Transitions and the peri Urban project		12,60,606.42	
IDRC for Fellowship project Proposal		4,69,934.31	
India Water Development report Unicef		19,22,550.00	1,49,400.00
India Water Development Report (FAO - New Delhi)		3,48,600.00	8,88,274.85
Registration fee / grants / refund of expenses for GWET workshop			
		<b>1,53,65,911.16</b>	<b>2,76,09,656.06</b>
<b>Other Receipts and Contributions</b>	1.2	3,10,449.16	1,70,571.00
<b>Bank Interest</b>		32,828.00	11,488.00
<b>TOTAL</b>		<b>1,57,09,188.32</b>	<b>2,77,91,715.06</b>
<b>EXPENDITURE :</b>			
Crossing Boudaries Project (WU) Exp.	2	1,11,62,635.72	1,69,24,439.60
Peri_Urban at South level Project	3	66,37,016.12	27,96,136.00
Cap Net Network support project	4.1	3,17,328.86	
Cap Net Net work Manager meeting	4.2	12,21,778.00	
EWC_Rural to Urban transitions & the Peri-Urban Interface	4.3	10,53,688.00	
UN India Water development report Phase - 1 (FAO)	5.1	86,053.00	700.00
UN India Water development report Phase - 2 (Unicef)	5.2 & 5.3	22,04,808.00	
GWET Workshop			2,09,889.60
SaciWATERS General Fund Expenses Exp.	4.4	6,38,471.70	1,45,664.91
		<b>2,33,21,779.40</b>	<b>2,00,76,830.11</b>
<b>Long standing un recoverable advances write off</b>			41,517.90
<b>TOTAL</b>		<b>2,33,21,779.40</b>	<b>2,01,18,348.01</b>
<b>Surplus / Deficit for the Year</b>		(76,12,591.08)	76,73,367.05
<b>Transfer to Balance Sheet</b>		<b>(76,12,591.08)</b>	<b>76,73,367.05</b>

The schedules referred to above and the notes thereon form an integral part of the accounts

As per our report even date attached

for SAMPATH & RAMESH  
Chartered Accountants  
(Regd. No. (FRN) 0059475)

T. Venkateswara Rao  
(T. VENKATESWARA RAO)  
Partner, M.NO. 212098



For SaciWATERS

Dr. ANJAL PRAKASH (Prof. JANAKA RAJAN) (Mr. RAMASETTY MURALI)  
Executive Director President Treasurer

Place : Hyderabad  
Date : May 22, 2012



# Receipts and Payments Account

**SaciWATERs**  
Plot No. 125 & 126, S.P. Colony  
Trimulghery, Secunderabad - 15.  
**CONSOLIDATED RECEIPTS AND PAYMENTS ACCOUNT**  
FOR THE PERIOD FROM APRIL 1, 2011 TO MARCH 31, 2012

PARTICULARS	Schedule No	Current Year Amount INR	Previous Year Amount INR
<b>RECEIPTS:</b>			
Opening Balance			
Cash in hand		6,070.23	8,666.38
Cash at Bank		1,10,44,980.96	28,18,013.67
		<b>1,10,51,051.19</b>	<b>28,26,680.05</b>
<b>Funds received towards:</b>			
Crossing Boudaries Project (WU)	1.1	32,58,247.05	2,00,80,361.89
Peri_Urban project (IDRC)		65,02,724.97	58,67,029.32
Fund towards CapNet_SaciWATERs Net work support from UNOPS		3,89,498.18	6,24,500.00
Funds towards CapNet Net work manager meeting		12,13,750.23	
EWC_Rural to Urban Transitions and the peri Urban project		12,60,606.42	
IDRC for Fellowship project Proposal		4,69,934.31	
India Water Development report _Unicef		19,22,550.00	
India Water Development Report (FAO - New Delhi)		3,48,600.00	1,49,400.00
Registration fee / grants / refund of expenses for GWET workshop			8,88,274.85
		<b>1,53,65,911.16</b>	<b>2,76,09,656.06</b>
<b>Other Receipts and Contributions</b>			
Bank Interest	1.2	3,10,449.16	1,74,237.00
Loans and Advances	6	3,24,576.60	4,91,774.19
<b>TOTAL</b>		<b>2,70,84,816.11</b>	<b>3,11,13,835.30</b>
<b>PAYMENTS:</b>			
Crossing Boudaries Project (WU) Exp.	2	1,06,05,945.72	1,67,23,967.60
Peri_Urban at South level Project	3	60,83,943.66	27,96,136.00
Cap Net Network support project	4.1	3,13,505.86	
Cap Net Net work Manager meeting	4.2	10,90,870.00	
EWC_Rural to Urban transitions & the Peri-Urban Interface	4.3	8,12,325.00	
UN India Water development report Phase - 1 (FAO)	5.1	86,053.00	700.00
UN India Water development report Phase - 2 (Unicef)	5.2 &		
GWET Workshop	5.3	11,37,600.00	
SaciWATERs General Fund Expenses Exp.	4.4	6,37,931.70	2,09,889.60
		<b>2,07,68,174.94</b>	<b>1,98,76,558.11</b>
<b>Loans and Advances</b>			
Closing Balances:			
Cash in hand		16,912.63	6,070.23
Cash at Bank		62,69,728.54	1,10,44,980.96
		<b>62,86,641.17</b>	<b>1,10,51,051.19</b>
<b>TOTAL</b>		<b>2,70,84,816.11</b>	<b>3,11,13,835.30</b>

The schedules referred to above and the notes thereon form an integral part of the accounts

As per our report even date attached

for SAMPATH & RAMESH  
Chartered Accountants  
(Regd. No. (FRN) 005947S)

T. Venkateswara Rao  
(T. VENKATESWARA RAO)  
Partner, M.NO. 212098

Place : Hyderabad  
Date : May 22, 2012



For SaciWATERs

(Dr. ANJALI PRAKASH) (Prof. JANAKA RAJAN) (Mr. RAMASETTY MURALI)  
Executive Director President Treasurer



# The Staff

AnjalPrakash - Executive Director

Neena Rao - Director - Projects and Partnerships

Poulomi Banerjee - Senior Fellow – SaciWATERs

Sreoshi Singh - Research Fellow

Hemalatha Paul - Office Manager

Sreenivasulu Chedubavi - Finance Manager

Haribabu Pendela - Accounts Officer

Shaili Gummadalli - Research Associate

Pooja Anand - Research Associate

Aman Dewan - Research Associate

Rajkumar - Research Assistant

Nanibabu Battu - GIS-Consultant

Md Fahad Abdul- Web Cum Graphic Designer

Robin Anthony - Office Cum TravelAssistant



# Acknowledgement

SaciWATERS would like to place on record our gratitude and thanks to our other donors (in alphabetical order):

Cap-Net Capacity Building for Sustainable Water Resources Management, South Africa

Food and Agricultural Organization of the United Nations (FAO), India

International Development Research Centre, Canada

Ministry of Development Cooperation, Directorate General for International Cooperation (DGIS), Government of the Netherlands.

UNICEF, India

United Nations Development Programme

US State Department, United States of America

## **SaciWATERS**

Plot No 125 & 126, S.P.Colony, Trimulgherry, Secunderabad - 500 015, Andhra Pradesh, India.

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