

**ANNUAL REPORT
2021-2022**



SaciWATERS

SOUTH ASIA CONSORTIUM FOR INTERDISCIPLINARY
WATER RESOURCES STUDIES

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Dear Readers,

Greetings from SaciWATERS!

I am extremely pleased to introduce the Annual Report of SaciWATERS for the year 2021-2022. This annual report profiles the endeavors taken up by SaciWATERS through various activities that had been taken up during the year. Through this Annual Report I would like to thank all our partners for their continued support without which these achievements would not have been possible. I would like to acknowledge and thank all the board members without whom it would not have been possible to run this organization successfully. I would also like to extend my heartfelt thanks to the young, enthusiastic and vibrant SaciWATERS team for the innovativeness and hard work that they bring into and carry out in the projects, organize online workshops, training programmes and publications.

As it is reflected in the Annual Report, SaciWATERS focused on major thematic areas such as Water Policy and Governance, Peri-urban water security, Climate change and water, Water and gender, Water, sanitation and Hygiene and Water quality.

Let me briefly outline in the form of bullets some of the accomplishments of the SaciWATERS team for the benefit of our readers.

- *South Asian Water (SAWA) Leadership Program on Climate Change*: This project is a follow up of an earlier project coordinated by SaciWATERS namely the CB (Crossing Boundaries). SAWA project was started in November 2017 and continued up to October 2021. This is one of the major initiatives of the organization funded by International Development Research Centre (IDRC), Canada. This project has partners in major South Asian countries which has a focus on SAWA Leadership Program in the context of Climate Change. The basic idea is to create group of interdisciplinary women leaders in south Asia by awarding fellowships to 36 women enrolled in master's-level Integrated Water Resources Management (IWRM) programs.
- *H2O-T2S in Urban Fringe Area*: This is an action-research project funded by International Science Council, with partner funding by NWO and BMBF for research partners at TUDelft and University of Cologne respectively. This project was initiated in September 2018 and came to a close in March 2022. The project aimed at understanding how water institutions and access to water as a consumption good and a resource for livelihoods is changed during the urbanisation process and in periurban spaces. Remote pathways building with village and expert stakeholders were done through a 3-stage delphi process. A virtual National level stakeholder workshop and dissemination meeting was held on the 18th and 19th of January 2021 with more than 150 participants to the workshop held in parallel sessions. A policy report and four policy briefs were prepared for policy dissemination for the project.
- *SaciWATERS Cap-Net Network (SCaN)*: SaciWATERS joined the UNDP Cap-Net in 2009 as one of its South Asian networks to create the SaciWATERS Cap-Net Network (SCaN). SaciWATERS hosts the network and acts as its legal, administrative and financial umbrella. It is a platform for partnership towards capacity building in Integrated Water Resources Management (IWRM) across the South Asia region. SCaN through its capacity building activities provides a platform to academics, researchers, and professionals from government, non-government, public and private sectors to work together towards strengthening the integrated approach within water sector through education & training; research; knowledge development; advocacy; and networking in South Asia. In 2021-2022 the SCaN program supported a 9-day online training program in interdisciplinary research tools under the SAWA project. It also supported a community level training on arsenic contamination of groundwater, awareness and mitigation methods, in Jorhat, Assam.

- *Pilot Scale Demonstration and Popularisation of Some Sustainable Technology for the Supply of Safe Water in Fluoride and Arsenic Affected Areas:* To support CSIR-NEIST in community mobilization, organizing training cum workshop about the technology and about the issues of fluoride and arsenic for Govt. Technocrats and Bureaucrats and Industrialists. Baseline research for this project was completed and a Situation Assessment Report of Arsenic Contamination in Assam state has been published. As part of the project activity capacity building training workshop on community participation and sustainability of the technology for dearsenication was held on 23rd October and 6th November 2021 in Jorhat district of Assam.
- *Building a transnational, civil society partnership to increase the resilience of coastal population in South Asia:* This project aims to establish a cross-border partnerships for dialogue between civil society organisations, public and private sector partners, to bring together and develop the innovative solutions and make them available to other interested communities. A number of promising approaches have been developed in various countries to increase the resilience of coastal populations and adapt to climate change - but are happening in isolation. This project is a three-year funded by the Global Nature Fund (GNF) supported by the BMZ.
- *Need assessment of Impact of Climate Change on health, Migration, and Protection mechanism in the Sundarbans region of West Bengal:* This study was carried out by SaciWATERS, funded by Terres de Hommes, with the overarching objective to build a scientific understanding of the impact of climate change in the Indian Sundarbans with specific reference to mother and child health, migration-related risks, trafficking in person, and issues related to the protection of children in the region
- *GESI Review of Water, Energy and Food Policies of India:* This is a project with International Water Management Institute (IWMI), South Asia, which is implementing a regional project titled “Solar Irrigation for Agriculture Resilience in South Asia (SoLAR)” with funding support from a Swiss Agency for Development and Cooperation (SDC). A component of this study, carried by SaciWATERS, aims to better understand the extent of consideration of GESI in national constitutions, development policy frameworks, and WEF policies and programs, including SIPs in India.

SaciWATERS will continue to strive to bring together the concerned South Asian communities/ institutions for a sustainable use of water. The scenario and structure of our interventions in the aftermath of the COVID-19 pandemic have focused on retaining our essence of impact while transforming ways in which we carry out our activities. This institution is always and will continue to be committed to inter-disciplinary and multi-disciplinary approach in all its activities. Most importantly, SaciWATERS is committed to accomplish a vision for a “Water Secure South Asia” in which in the institute’s focus has been to build capacities (through workshops and training programmes) of different civil society groups such as students / academics, NGOs, farmers, policy makers (both politicians and bureaucrats) and other professionals with a view to promoting or enhancing their abilities to participate or engage in policy dialogues for a meaningful and purposeful water governance.

As I always put on record, all this is possible only because of the continued trust and support to SaciWATERS from several funding organizations across globe. In particular, IDRC (Canada), CAPNET, ISC, NORFACE Network and Belmont Forum, DST, ACIAR, UNDP, BMZ, Global Nature Fund, IWMI, TDH, without whose support our continued growth would have been impossible.

I am extremely glad that SaciWATERS has started realizing the positive impacts of building and sustaining valuable partnerships across South Asia. The biggest blessing of our organization is the young-qualified, committed and motivated team of SaciWATERS personnel. Nevertheless, it is important at this stage to mention once more that we shall continue to focus our work around the broad themes of water policy and governance, climate change and adaptation, drinking water and sanitation, water resources accounting and urban water.

And, the issue of gender cuts across all the themes. Furthermore, our overarching emphasis continues to be research, *education, capacity building, advocacy, partnership and knowledge mobilization and sharing.*

Let me take this opportunity to express my sincere pleasure and pride in congratulating every one of the SaciWATERS family for making this year very productive.



Prof S. Janakarajan
President, Executive Board

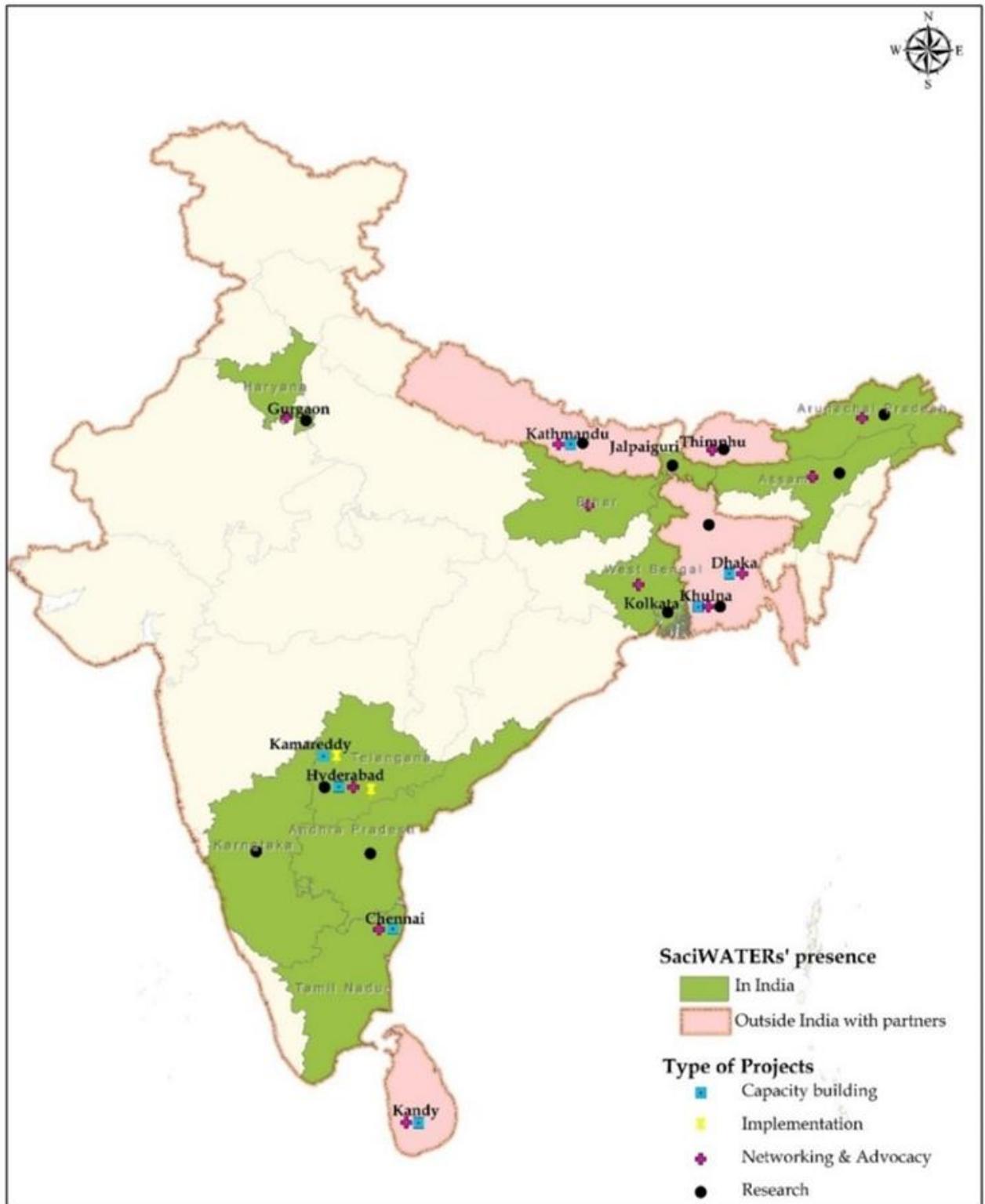
ABOUT SACIWATERS

SaciWATERS, South Asia Consortium for Interdisciplinary Water Resources Studies, was formed as a project on the theme “water for food and rural development” after the 2000 World Water Forum at The Hague and was established with the aim of bringing a paradigm perspective. Based in Hyderabad, India, the consortium comprises of accomplished scholars and activists from Bangladesh, Bhutan, India, Nepal, Pakistan and Sri Lanka. In its initial phase, the organization created a new group of professionals and experts across South Asia through its Crossing Boundaries Project and later through South Asian Water Fellowship programme, which aims to contribute to the paradigm shift in water resources management in South Asia. This involved building capacity of water professionals, primarily those with a science background, mainly women, through innovative and interdisciplinary higher education, and social learning focused research facilitated through networking and exchange of ideas across four South Asian countries, Bangladesh, India, Nepal and Sri-Lanka. SaciWATERS produces new knowledge to address the pressing issues in the water sector in South Asia through research, education and advocacy. Over time, the consortium has diversified substantially to areas related, but not restricted to water, that address concerns with respect to climate change, peri- urban spaces, river-basin environments and gender.

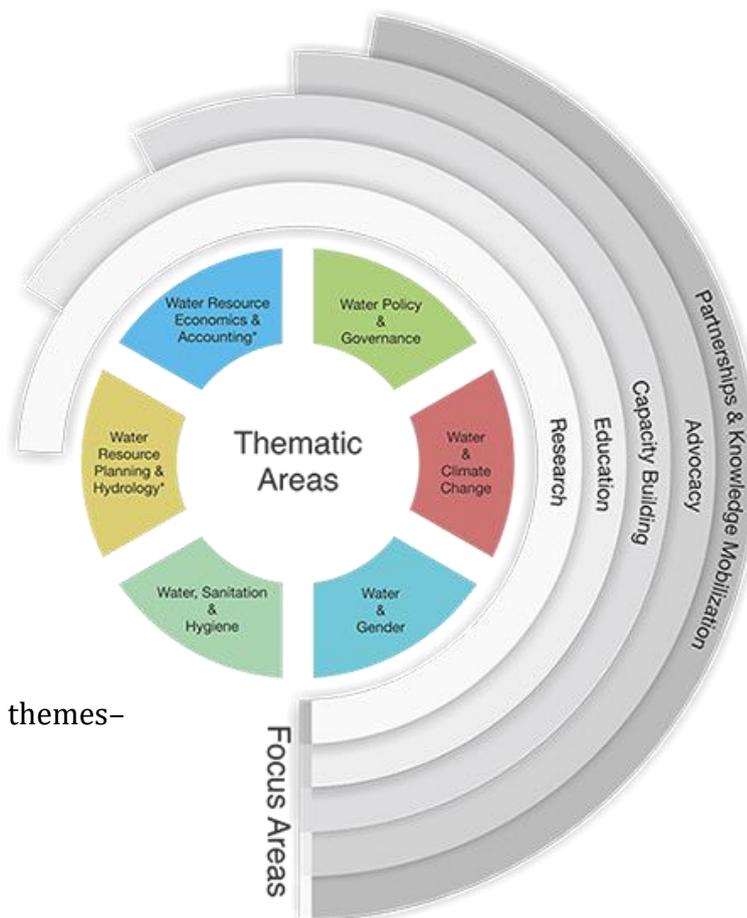
SaciWATERS’ primary mandate is being a think-tank with respect to policy issues and for this reason it derives its primacy from being a policy research institute. Since its inception in 2001, it has focused on critical issues related to water resources management in South Asia and have since undertaken a number of comparative studies across South Asian countries. A key endeavour at SaciWATERS has been to enhance the dominant water resources management paradigm in the region using a pro-marginalized people-centric interdisciplinary lens. Though the emphasis and strength of SaciWATERS is accumulation of new knowledge through action-oriented research, it undertakes a combination of other activities like capacity building, advocacy, partnerships, knowledge mobilization, as well as implementation. These elements feed into each other, making it a multi-faceted organization, different from most other NGOs in the country.

Accordingly, it partners with universities and academic institutions from across global north and south to fundamentally reshape water resources knowledge systems in South Asia. Its solutions-oriented strategy is based on a platform of improved exchange, interaction and collaboration at a regional level. South Asia is endowed with vast water resources, yet there seems to be a perpetual shortage and uneven water distribution. Moreover, phenomena such as urbanization and climate change are contributing to plural manifestations of profound water insecurities. Responding to the above, SaciWATERS attempts to adopt a solution-oriented approach by bringing together the scientific and societal issues on board that include both holistic and spatially differentiated frameworks.

OUR REGIONAL PRESENCE



THEMES AND FOCUS AREAS



SaciWATERS currently works within six broad themes–

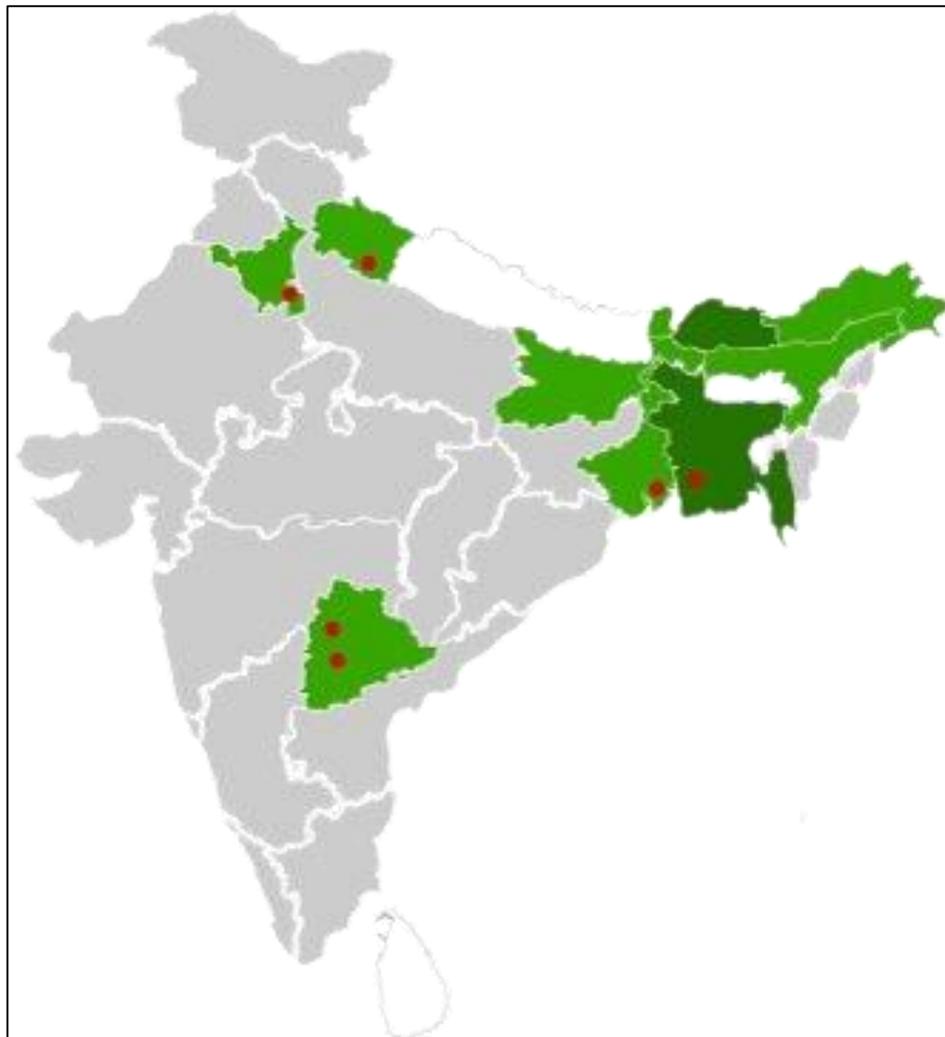
- Water Policy & Governance,
- Peri-urban Water Security
- Climate Change & Water,
- Water & Gender,
- Water, Sanitation, & Hygiene (WASH)
- Water Quality

Within the existing six themes, SaciWATERS designs, supports and implements integrated water resource management research projects to bridge the gap between science, policy, and practice. These themes have emphasis on five focus areas - research, education, capacity building, advocacy, partnership and knowledge mobilization.

OVERVIEW OF PROJECTS



Water systems are typically complex, with the relationship between water and development being particularly dynamic. In this context, conflicts are increasingly determining the interactions between water policy and governance. Working in partnership, SaciWATERs focuses on the characteristics of water institutions in South Asia, evaluates their influence on reform processes, analyses disputes over divergent water uses and assesses the impact of salient actors in promoting or obstructing institutional change.



Areas worked in India under theme – Water Policy and Governance

SaciWATERs CAPNET Network (SCaN)

Funded by: Cap-Net UNDP

Period of funding: January 2021 – December 2021

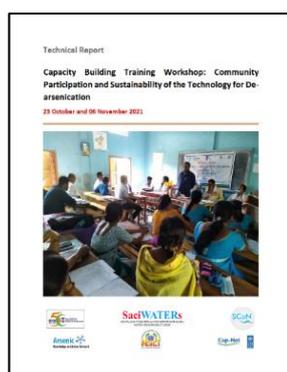
The SaciWATERs Cap-Net Network (SCaN) is a platform for partnership towards capacity building in Integrated Water Resources Management (IWRM) across the South Asia region. It comprises of autonomous regional and national institutions and individuals committed to capacity building in the water sector. SaciWATERs joined the UNDP Cap-Net in 2009 as one of its South Asian networks to create the SaciWATERs Cap-Net Network (SCaN). SaciWATERs hosts the network and acts as its legal, administrative and financial umbrella. SCaN through its capacity building activities provides a platform to academics, researchers, and professionals from government, non-government, public and private sectors to work together towards strengthening the integrated approach within water sector through education & training; research; knowledge development; advocacy; and networking in South Asia.

Project Outputs

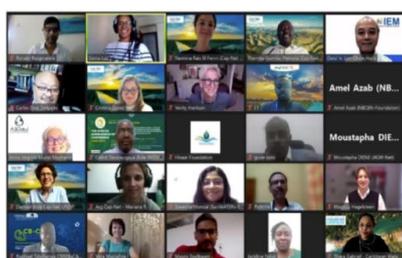
Events



The **Interdisciplinary Research Tool Shop training workshop** (co-funded by UNDP CapNET and IDRC) was held from 27-30 September 2021 virtually to further supplement and strengthen the capacity building trainings provided during the regional workshop. The aim of the workshop was to provide more in-depth supervised training in the practical use of some essential research tools - its uses, benefits and challenges, dos and don'ts, and stepwise implementation. The workshop was particularly relevant in the current circumstances of digital online learning and limited hands-on field based research training.



Capacity Building Training Workshop on Community Participation and Sustainability of the Technology for De-arsenication was held on 23rd October and 6th November 2021 at Titabar block in Jorhat district of Assam. The capacity building training programme provided training to the rural affected community to educate and sensitize people about Arsenic pollution in the groundwater so that they feel motivated to accept and cooperate with the development of the new process for de-arsenication by the scientists of CSIR-NEIST, Jorhat, Assam.



The **SCaN Network Managers Virtual Meeting 2021** on 21st and 22nd October 2021 was held with 23 network managers participating in the meet. UNDP, brought the networks from all corners of the world together, to reflect on the year and plan for the future. After the last 2 years of covid crisis and the challenges of the pandemic, meeting virtually helped to reflect on the delivery, interactions and partnerships, and to jointly brainstorm and rethink innovative modes of delivery to continue to thrive into 2022.

Publication



Case Studies: Climate Change and IWRM

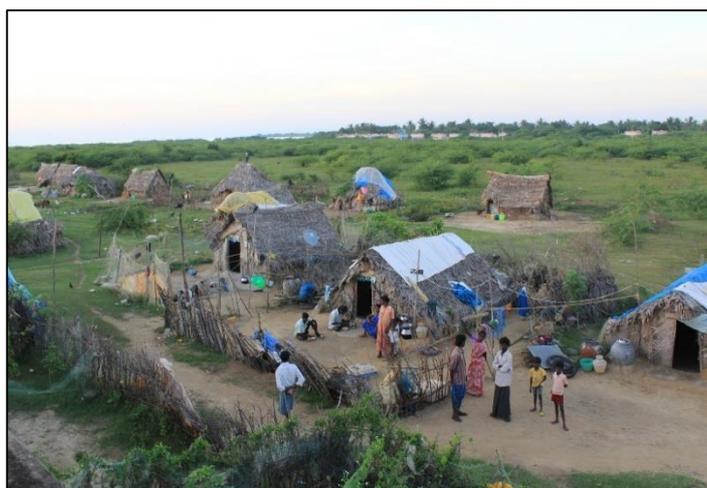
This study document presents 3 case studies relevant to understand Climate Change and Water linkages. The case studies emanate from earlier, ongoing, and new studies taken on by SaciWATERS. The earlier research studies of SaciWATERS involved various funders and project team members who have been acknowledged for the relevant studies. CapNET has funded the compilation of these case studies.

Building a transnational, civil society partnership to increase the resilience of coastal population in South Asia

Funded by: Global Nature Fund/BMZ

Period of funding: December 2021–December 2024

The coastal areas of South Asia are already severely affected by the consequences of global climate change and increasing instability in coastal regions. Frequent tropical storms and rising sea levels threaten millions of people living in exposed coastal settlements.

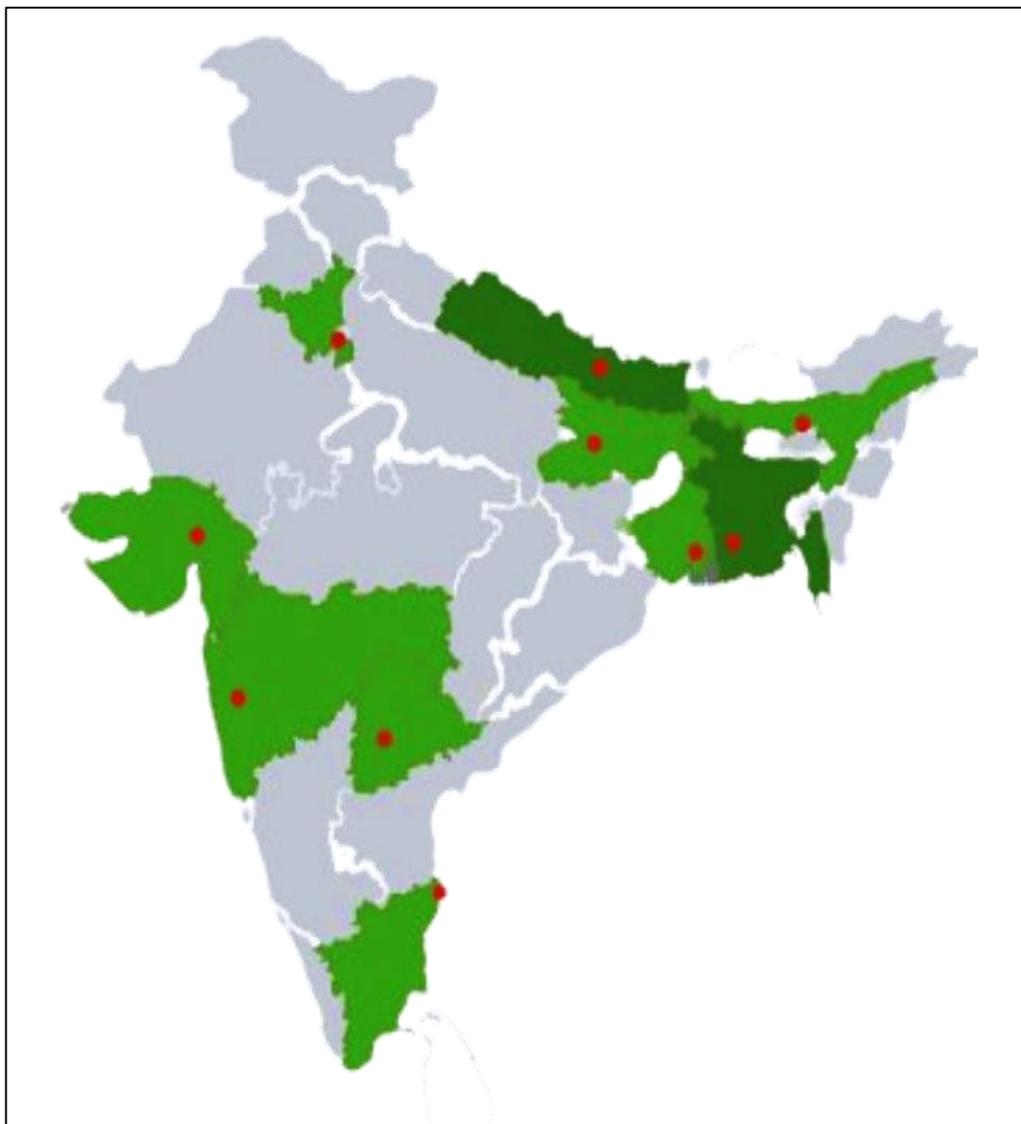


A number of promising approaches have been developed in various countries to increase the resilience of coastal populations and adapt to climate change - but are happening in isolation. So far, however, a regional partnership between different, innovative civil society actors across borders is lacking. Such a partnership makes it possible to establish dialogues with the relevant actors, to learn from each other and to further develop the scattered approaches into structured coastal protection and climate adaptive actions for coastal communities in South Asia region.

What is missing so far in the region is a cross-border partnerships for dialogue between civil society organisations, public and private sector partners, which bring together and develop the innovative solutions and make them available to other interested communities. SaciWATERs role in the project is to study the impact of locally developed climate actions in one area and draft pathways to be scaled up in other places. An effective link with policy is sought to improve the context in which innovations for adapting to climate change take place.

Together with eight partners, who are pioneers in their region in the development and introduction of such innovative climate-adapted technologies, the Global Nature Fund (GNF) and SaciWATERs are setting up a long-term regional development partnership for coastal communities.

The expansion of the urban metropolises into rural regions has led to the creation of buffer zones or periurban regions around these big cities. These zones experience a unique process of urbanization that alters the dynamics of migration, employment and, most importantly, the use of natural resources. Recognizing this as a significant area of research, SaciWATERs works with partners, to study the periurban areas of some major cities of South Asia. In particular, the change in water use strategies, water governance structures, water pollution, and spatial flows of water are being studied.



Areas worked in India under theme - Periurban Water Security

H2O-T2S in Urban Fringe Area

Funder: International Science Council (ISC) (in collaboration with BMBF Germany and NWO Netherlands)

Period Sep 2018 – Aug 2021 (Extended to March 2022)

Partners –

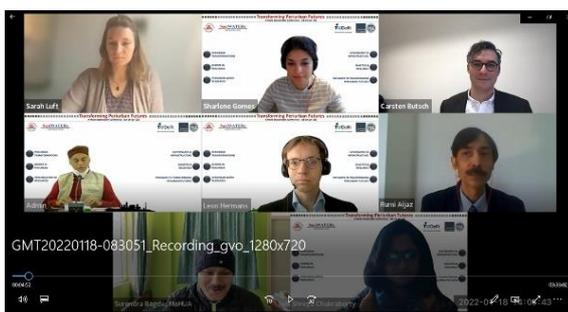
University of Cologne, Germany

TU Delft, Netherlands

"H2O - T2S in urban fringe areas" aims at understanding how transformation processes in urban fringe areas of Indian metropolises influence the access to water as a consumption good and a resource for livelihoods. The significance of this research question arises from the fact that urban fringe areas in Asia (and Africa) are currently undergoing fundamental transformations, with most of the urban growth occurring in these parts of the world. The periurban areas are either transformed into urban areas or the growing cities indirectly induce changes on their surroundings since they are relying on their ecosystem services. The project analyses transformation processes in urban fringe areas of Indian metropolitan cities. It aims at understanding how access to water as a consumption good and a resource for livelihoods is changed during the urbanisation process in periurban spaces.

Project Output

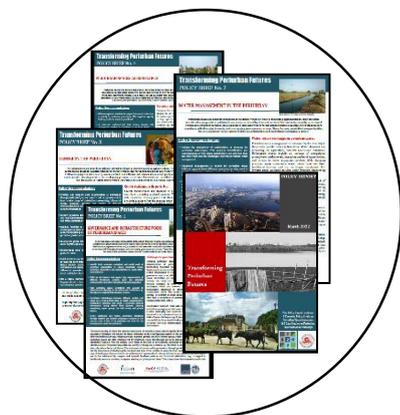
Events



Transforming Periurban Futures - A virtual Conference was held on the 18-19th of January 2022. This conference aimed to provoke discussions on pathways for sustainable transformations of periurban areas. The conference pulled together voices and perspectives from multiple sectors and stakeholders – government, academia, international development sector, and the grassroots civil society, - to understand

both common and contested solutions and directions towards sustainable periurban futures. Understanding of periurban transformations was emanated from the four core themes of • Water • Gender • Governance • Disaster management. The outcome of the conference was to frame specific policies for periurban spaces based on the discussions.

Publications:



Policy Brief: Four Thematic Policy Briefs on Periurban Transformations were published. A combined Policy Report was also published as an outcome of an online science-policy conference and is based on the research, practices and case study experiences discussed in the conference on “Transforming Periurban Futures”.



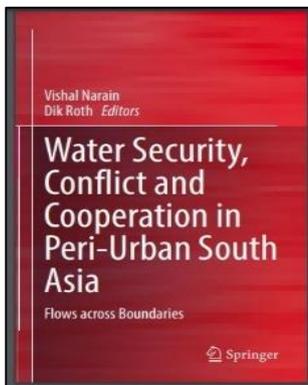
Luft, S., & Butsch, C. (2022). Planning for Livelihoods Under Hydrosocial Uncertainty in Periurban Pune. *Frontiers in Water*, 25.



Butsch, C., Chakraborty, S., Gomes, S. L., Kumar, S., & Hermans, L. M. (2021). Changing hydrosocial cycles in Periurban India. *Land*, 10(3), 263.

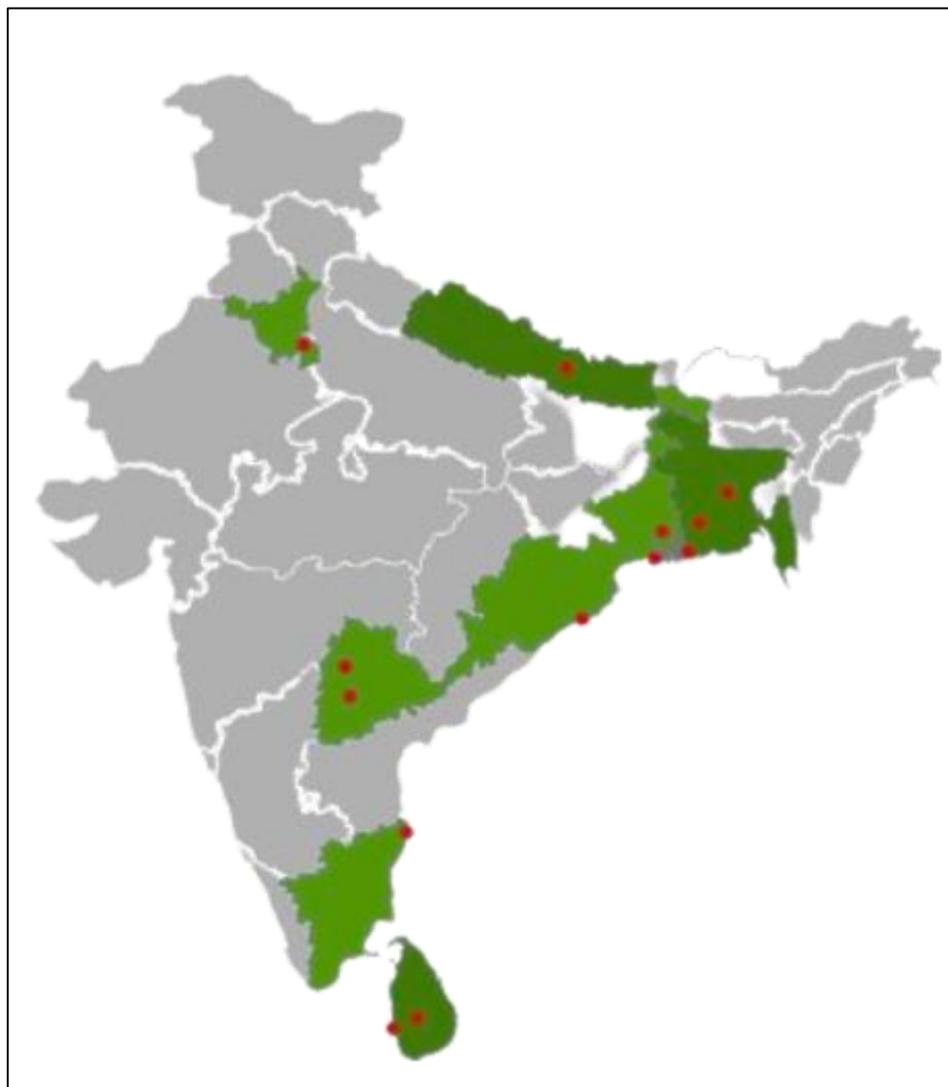


Chakraborty, S. (2021). Periurban Water: Recognizing the Margins for Sustainable Urban Water Futures. *Journal: Encyclopedia of the UN Sustainable Development Goals Clean Water and Sanitation*, 1-13.



Gomes, S. L. (2022). Interventions to Strengthen Institutional Capacity for Peri-Urban Water Management in South Asia. In *Water Security, Conflict and Cooperation in Peri-Urban South Asia* (pp. 147-169). Springer, Cham.

Climate change events in the region, coupled with population growth, are degrading natural resources while making South Asia particularly vulnerable to conflict. As climate change impacts finely balanced social, economic and ecological systems adversely, ripple effects are already being felt in terms of negative pressures on food security, livelihood security and energy security. Acknowledging this, SaciWATERS works to transform existing paradigms in natural resource management, simultaneously considering climate change mitigation and adaptation with food, energy and livelihood optimization strategies.



Areas worked in India under theme - Climate Change and Water

South Asian Water (SAWA) Leadership Program on Climate Change

Funded by: International Development Research Centre (IDRC), Canada

Period of funding: November 2017 – October 2021

Partners:

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

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

Center for Post Graduate Studies, Nepal Engineering College (NEC), Kathmandu, Nepal,

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

This project is a follow through of an earlier project coordinated by SaciWATERS namely the SAWA Fellowship. The Climate change and variability pose formidable impediments to the development of South Asia. The 5th report of the IPCC assesses that key risks for South Asia are increased riverine, coastal and urban flooding as well as drought-related water and food shortage. The report also highlights the lack of the knowledge required for developing gender-sensitive adaptation strategies to manage climate change impacts. In South Asia not many female water professionals have leadership roles. To address these knowledge gaps and capacity deficits, SaciWATERS along with its four partners has launched the SAWA Leadership Program on Climate Change.

The program aimed at facilitating the creation of a group of interdisciplinary women leaders in south Asia, having a common understanding of the crosscutting scientific and societal issues of water resource management. The program will award fellowships to 36 women enrolled in master's-level Integrated Water Resources Management (IWRM) programs. The program will place emphasis on intensive trainings in the application of research methods, internships to allow candidate to link their research to actual decisions and applications, mentorship to support the student's research and common curriculum development to ensure coherence across all the partner institutions.

Project Output

Event



Research Tool Shop - A Research Tool Shop was organised from 27 September to 6 October 2021, with an aim to strengthen the training by providing hands on practices and in-depth supervised training in the practical use of some essential research tools - tools - its uses, benefits and challenges, dos and don'ts, and stepwise implementation. The training workshop was co-funded by UNDP Cap-Net and IDRC. This workshop is particularly relevant in the current circumstances of digital online learning and limited hands-on field based research training.



Publication

The Final Technical Report for the IDRC-funded project SAWA Leadership Program on Climate was published in 2021. The report contains the details of the activities, contributions, impacts, and lessons from the implementation of the capacity-building project. The overall objective of the program was to increase the number of women occupying leadership roles in the water sector.

Need assessment of Impact of Climate Change on health, Migration, and Protection mechanism in the Sundarbans region of West Bengal

Funded by: Terre des Hommes

Period of funding: January – April 2022

The overarching objective of this need assessment study is to build a scientific understanding of the impact of climate change in the Indian Sundarbans with specific reference to mother and child health, migration-related risks, trafficking in person, and issues related to the protection of children in the region.

Sundarbans is the world's largest contiguous mangrove forest and is a designated world heritage site. The Sundarbans delta faces tremendous pressure from a burgeoning human population that is economically, educationally, and socially backward and inhabits an area that is mostly inaccessible due to poor infrastructure facilities. Indian Sundarbans region is highly dependent on agriculture, however, in absence of proper irrigation facilities and high dependency on seasonal rainfall, yielding poor crops and acting as an erratic source of livelihood. Additionally, there have been serious disturbances to hydrological parameters and changes in fishing patterns, resulting in disastrous consequences for fishermen. Frequent cyclones and erratic monsoon raining patterns are damaging ecology and humanity. The Sundarbans region is an innocent victim of accelerating global warming and climate change and faces a direct threat to its very existence.

To mitigate the environmental impact on mother and child health and on migration-related risks there is a need to conduct robust primary research to get a complete overview of the range of impacts of climate change in the region, with consideration of the current context of the COVID-19 pandemic. The study aims at informing TDH interventions in the areas of mother and child health, tackling and preventing the risks and dangers linked to climate-induced migration and trafficking as well as strengthening child protection.

Project Output

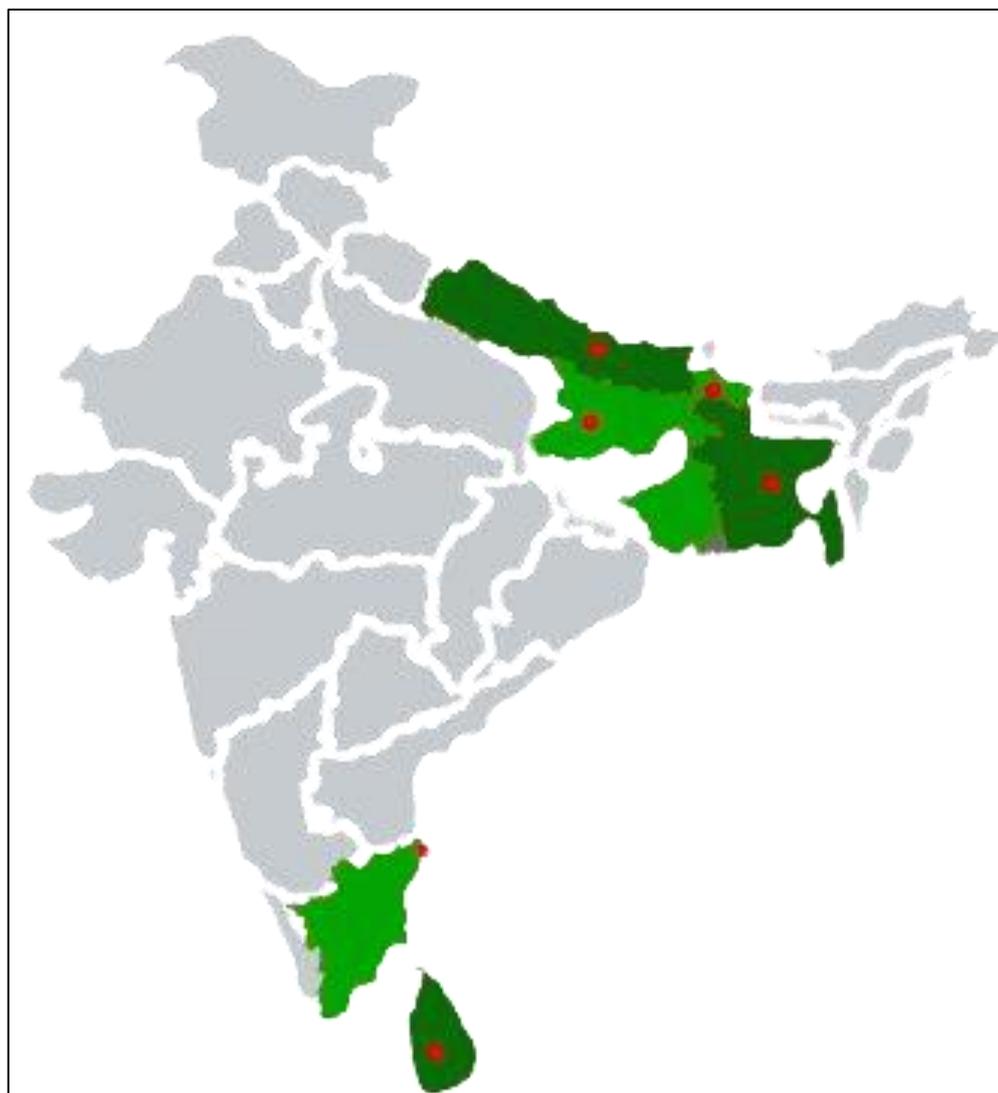
Event



Enumerator's Training workshop - A two-day long training program was conducted for the capacity development of the field enumerators in Kolkata from 28th February to 1st March 2022. In the classroom training session, on day 1 the major points of discussion were the purpose of the study, interviewing techniques, asking questions and appropriate probing, recording answers, correcting mistakes, and a detailed explanation of the questionnaire/Technical questions, ethical considerations, etc. Day 2 was field practice followed by debriefing and additional clarifications both in groups and individually. The training provided the enumerators the opportunity to understand how to obtain quality data through knowledge and application of the Kobo Toolbox.

WATER AND GENDER

The fundamental role of women in the communal and household management of water resources is now widely accepted. However, unequal access to and control over these resources remains a continuing dilemma. SaciWATERs endorses a better understanding of the complex issues underpinning water and gender, with the aim of improving women's access and choices related to water.



Areas worked in India under theme – Water and Gender

GESI Review of Water, Energy and Food Policies of India

Funder: IWMI South Asia

Period of Funding: 15 November 2021- March 2022

This is a project with International Water Management Institute (IWMI), who is implementing a regional project titled “Solar Irrigation for Agriculture Resilience in South Asia (SoLAR)” with funding support from a Swiss Agency for Development and Cooperation (SDC). The main goal of the project is to contribute to climate-resilient, gender, and socially inclusive agrarian livelihoods in South Asia by supporting national government efforts to promote sustainable solar irrigation.

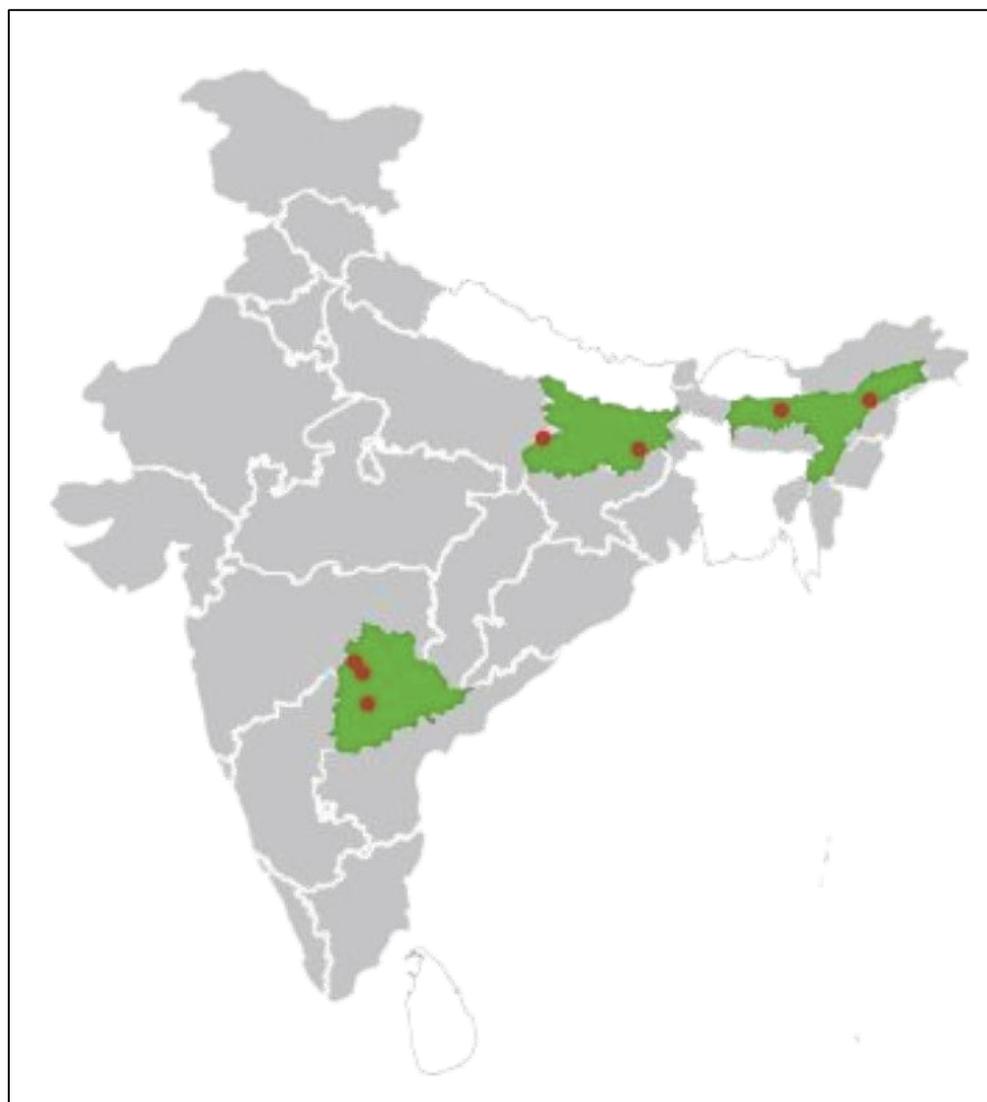
The main objective of this study is to better understand the extent of consideration of GESI in national constitutions, development policy frameworks, and WEF policies and programs, including SIPs in India.

The review and analysis of the policy frameworks include (i) national constitutions and development policies of India, (ii) the WEF sector policies, including SIPs subsidy policy and financing mechanism, (iii) flagship renewable energy programs that promote SIPs, and (iv) policy of the national level key SIP implementing agencies in the study countries.

The study will use gender transformative approach (GTA) as a pathway to advancing socio-economic and climate resilient development in South Asian region through sustainable and inclusive WEF resources and technologies. This is relevant in the region because gender and social norms, inequalities in access to resources, opportunities and decision-making prevent gender equality and women's empowerment outcomes. The GTA challenges such systemic barriers, while providing measures to strengthen agency and decision-making capacity of women from the household, communities, markets, and state level.

WATER QUALITY

Water Quality is one of the emerging areas of work which is acquiring significance given the need for safe drinking water. Apart from biological contaminants which make drinking water unsafe, chemical contaminants like arsenic, fluoride and other heavy metals etc. pose serious public health concerns. SaciWATERs engages with multiple stakeholders across government, civil society and market in domain of water quality in general and with arsenic contamination in particular with a view to enabling and improving access to safe drinking water for the affected communities.



Areas worked in India under theme - Water Quality

Pilot Scale Demonstration and Popularisation of some Sustainable Technology for the supply of Safe Water in Fluoride and Arsenic Affected Areas

Funded by: Department of Science and Technology (CSIR-NEIST)

Period of funding: December 2020- November 2022

This project aims at providing support CSIR-NEIST in community mobilization, organizing training cum workshop about the technology and about the issues of fluoride and arsenic for Govt. Technocrats and Bureaucrats and Industrialists especially the Cement Sector Industrialists., arrange exposure visit to the project sites for the multiple stakeholders, dissemination of technology at districts and state level, popularization and reaching out with the technology to 50 habitations, awareness building through cultural programmes, audio visual documentation of fluoride and arsenic affected areas.

Project Output

Event



Capacity Building Training Workshop on Community Participation and Sustainability of the Technology for Dearsenication was held on 23rd October and 6th November 2021 at Titabar block in Jorhat district of Assam. The capacity building training programme provided training to the rural affected community to educate and sensitize people about Arsenic pollution in the groundwater so that they feel motivated to accept and cooperate with the development of the new process for dearsenication by the scientists of CSIR-NEIST, Jorhat, Assam.

OUR ENGAGEMENTS

- **Avinash Yadav Kumar** delivered three lectures at the training on “*District Level Planning for Faecal Sludge Management (FSM) in Rural Areas*” organised by Center for Science and Environment, held virtually from November 4th - 7th, 2021.
- **Dr. Laxmi Vadapalli** delivered talk on ‘*Social Security Measures in Climate Change Affected Areas*’ in program on Effects of Extreme Climate Events on Labour in Telangana: Challenges and Mitigation organized by VV Giri National Labour Institute, Noida in collaboration with Council for Social Development, Hyderabad, held on September 29th, 2021.
- **Avinash Yadav Kumar** presented a poster with Dr. Christopher Hyun at the 42nd WEDC International Conference on “*Equitable and Sustainable WASH Services: Future challenges in a rapidly changing world*” organised by WEDC (Water, Engineering and Development Centre) at Loughborough University, from September 13th – 15th, 2021.
- **Shreya Chakraborty** was the panel organiser and panelist speaker for session “*Are we meeting the adaptation leadership challenge in the Global South?*” at the **Adaptation Futures Conference 2020**, held virtually October 4th - 8th, 2021.
- **Shreya Chakraborty** presented a paper on “*Household water access transitions in Periurban areas: A comparative study of 3 Indian cities*” at the **GeoWoche2021 / German Congress for Geography (DKG)**, held virtually October 5th - 9th, 2021.
- **Shreya Chakraborty** presented a paper (co-author) on “*A multi-actor, multi-staged approach to building transformation pathways for water-related dynamics in periurban India*” at the **International Transdisciplinarity Conference 2021**, held virtually September 13th - 17th, 2021
- **Shreya Chakraborty** gave a project presentation on the invited panel on “*Critical social science perspectives on transformations to sustainability – emerging framings and approaches*”, at the **Sustainability Research & Innovation Congress 2021 (SRI2021)**, held virtually on June 12th -15th, 2021.
- **Shreya Chakraborty** designed and coordinated lecture series on Urban Water Bodies for the School of Public Policy and Governance, from July 6 - 27, 2021. She also presented on an invited special lecture on ‘**Problemscape of Urban Lakes: Experience from Hyderabad, India**’ at School of Public Policy and Governance, Tata Institute of Social Sciences, Hyderabad, on July 9th, 2021.
- **Shreya Chakraborty** gave an invited lecture on ‘**Effects of Extreme Climate Events on Labour in Telangana: Challenges and Mitigation**’ in the online training programme jointly conducted by V.V Giri National Labour Institute, Ministry of Labour and Employment, Government of India and Council for Social Development, Hyderabad during March 18th – 20th, 2021.

DONORS

- 1 Food and Agriculture organisation of the United States
- 2 UNICEF
- 3 UNOPS
- 4 Wageningen University
- 5 London School of Economics and Political Science
- 6 ICIMOD
- 7 National Institute of Advanced Studies
- 8 US Consulate Federal award grant
- 9 IDRC / CRDI
- 10 The Asia Foundation
- 11 ICRISAT
- 12 IDRC / CRDC
- 13 IWMI
- 14 BordreaxMetropole community
- 15 International Waters
- 16 World Bank Group
- 17 Arghyam
- 18 N W O - Delft University of Technology
- 19 Arghyam
- 20 WaterAid India
- 21 Centre for Policy Research
- 22 Australian Centre for International Agricultural Research (ACIAR)
- 23 ICIMOD
- 24 CapNET (GWP)
- 25 European Union
- 26 International Science Council (with NWO, BMBF)
- 27 Department of Science and Technology - Through NIEST
- 28 Global Nature Fund
- 29 Terres de Hommes



PARTNERS

- 1 Anna University, Chennai, India
- 2 Delft University of Technology (TU Delft)
- 3 Institute for Water and Flood Management, BUET, Bangladesh
- 4 International Centre for Integrated Mountain Development (ICIMOD), Nepal
- 5 MetaMeta, Nepal & The Netherlands
- 6 Nepal Engineering College, Nepal
- 7 The Hague Institute for Global Justice, The Netherlands
- 8 University of Peradeniya, Sri Lanka
- 9 Wageningen University
- 10 Aaranyak, Guwahati
- 11 Akvo Foundation
- 12 Bangladesh Agricultural University (BAU), Bangladesh
- 13 BasthiVikasManch, Hyderabad
- 14 Both ENDS, The Netherlands
- 15 Centre for North East Studies and Policy Research (C-NES)
- 16 Center for Economic and Social Studies (CESS), Hyderabad
- 17 Gujarat Institute of Development Research (GIDR), Ahmedabad
- 18 Indian Institute of Technology (IIT), Guwahati
- 19 Institute of Chinese Studies (ICS), Delhi
- 20 Institute for Resource Analysis and Policy (IRAP), Hyderabad
- 21 International Water Management Institute (IWMI)
- 22 Lancang-Mecong Cooperation
- 23 Nepal Madhesh Foundation (NEMAF), Nepal
- 24 North Bengal University (NBU), Darjeeling, India
- 25 Royal Society for Protection of Nature (RSPN), Bhutan
- 26 Society for Promoting Participatory Eco-system Management (SOPPECOM), Pune
- 27 State Government of Telangana
- 28 Tata Institute of Social Sciences

**SAMPATH & RAMESH**

CHARTERED ACCOUNTANTS

(Regd. No. (FRN) 005947S)

INDEPENDENT AUDITOR'S REPORT

To
The Members
SaciWATERs
SECUNDERABAD.

Report on the Financial Statements:

We have audited accompanying **CONSOLIDATED** financial statements of **SaciWATERs** (South Asia Consortium for Inter Disciplinary Water Resources Studies) ("the Society") Plot No. 164, 1st Floor, Road No. 06, Vayupuri, Secunderabad - 500 094 Telangana India, which comprise Balance Sheet as at 31st March 2022 and annexed Income & Expenditure Account and Receipts & Payments Account for the year ended, and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Financial Statements:

Management is responsible for the preparation of these financial statements in accordance with the Andhra Pradesh Societies Act and accounting principles generally accepted in India. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility:

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the **Standards on Auditing** issued by the **Institute of Chartered Accountants of India**. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Society preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

Jesay

101A, Sidhartha Harini Apartments, Besides DBR Mills, Lower Tank Bund Road, Hyderabad - 500 080.
Landline : 9100515906, 040-27617319 Email : sampathandramesh@yahoo.com

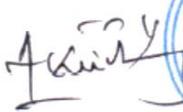
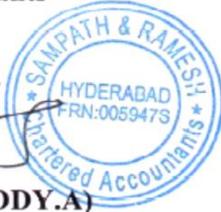
We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion:

In our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information required by the Societies Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India:

- (a) in the case of the Balance Sheet, of the state of affairs of the Society as at 31st March 2022;
- (b) in the case of the Income & Expenditure Account of the excess of expenditure over income for the year ended on that date.
- (c) In the case of Receipts & Payments Account, of the cash Flows for the period ended on that date.

For SAMPATH & RAMESH
Chartered Accountants
(FRN 005947S)

(CA. KRISHNA REDDY.A)
Partner M. No: 204755
UDIN: 22204755ARVJOS2947

Place: Hyderabad.

Date: 26/07/2022

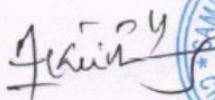
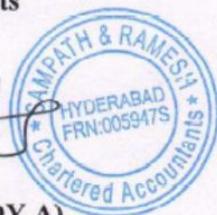
SaciWATERs,
Plot No. 164, 1st Floor, Road No. 06,
Vayupuri, Secunderabad - 500 094 Telangana,

01-04-2021 To 31-03-2022

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 23.06.2003. 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)

(CA.KRISHNA REDDY.A)
Partner M. No: 204755
UDIN: 22204755ARVJOS2947

Place: Hyderabad.

Date: 26.07.2022

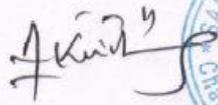
SaciWATERs,
Plot No. 164, 1st Floor, Road No. 06,
Vayupuri, Secunderabad - 500 094 Telangana,

01-04-2021 to 31-03-2022

SIGNIFICANT ACCOUNTING POLICIES

- a) The accounts are drawn on historical cost concept basis in accordance with the generally accepted accounting policies.
- b) Fixed assets charged to respective projects have been reflected in the balance sheet at their replacement value at the year end.
- c) All income received during the year irrespective of the period to which it pertains is considered during the year as income and expenditure relevant to the project recorded on payment basis.
- d) Project grants received under specific agreement are tied up in nature. Thus the financial statements prepared for the project are receipts and payments account and statement of sources and application of funds. (Schedules forming part of these financial statements).
- e) Capital fund consists of the replacement value of fixed assets value adopted.

For **SAMPATH & RAMESH**
Chartered Accountants
(FRN 005947S)



(CA. KRISHNA REDDY.A.)
Partner M. No: 204755
UDIN: 22204755ARVJOS2947

Place: Hyderabad.

Date: 26.07.2022

SaciWATERS
Plot No. 164 First Floor, Road No. 06, VAYUPURI, Secunderabad - 500094
CONSOLIDATED BALANCE SHEET AS ON 31.03.2022

PARTICULARS	Schedule No.	Current Year Amount INR	Previous Year Amount INR
SOURCES OF FUNDS:			
Capital Fund (Assets Value)	XI	6,30,706.42	10,03,492.28
General Fund			
Restricted Project Funds	VIII	58,88,783.20	72,67,157.65
Unrestricted General Fund	VIII	1,10,21,884.46	1,13,60,057.63
Employee Gratuity Fund Scheme	XIII	10,38,658.01	-
		1,79,49,325.67	1,86,27,215.28
TOTAL		1,85,80,032.09	1,96,30,707.56
APPLICATION OF FUNDS:			
Current Assests, Fixed Assets, Loans & Advances			
Fixed Assets	XI	6,30,706.42	10,03,492.28
Loans and Advances	IX	4,07,333.00	6,07,683.64
Gratuity funds with LIC of India Hyd	XIII	10,38,658.01	-
Closing Balances	I	1,69,22,534.66	1,84,58,890.17
		1,89,99,232.09	2,00,70,066.09
Less: Current Liabilities & Provisions			
Current Liabilities & Short term Provisions	X	4,19,200.00	4,39,358.53
TOTAL		1,85,80,032.09	1,96,30,707.56

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)

(CA KRISHNA REDDY. A)
PARTNER, M.NO. 204755



For SaciWATERS

(SHREYA CHAKRABORTY)
Officiating Executive Director

(C. RAMACHANDRAIAH)
Treasurer

(S JANAKARAJAN)
President

Place : Hyderabad
DATE : July 26, 2022



SaciWATERs
Plot No. 164, first floor Raod No. 6, VAYUPURI, Secunderabad - 500094
CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT
FOR THE PERIOD FROM APRIL 1, 2021 TO MARCH 31, 2022

PARTICULARS	Schedule No.	Current Year Amount INR	Previous Year Amount INR
INCOME :			
Funds received towards Project Implimentation	V	81,26,466.81	1,16,81,181.78
Other Reciepts and Contributions	VI	12,04,687.18	44,222.30
Interest on Gratuity fund		-	1,13,390.89
Bank Interest	XII	5,18,749.00	9,35,099.00
TOTAL		98,49,902.99	1,27,73,893.97
EXPENDITURE :			
Project Implimentation cost	VII	92,74,805.26	1,23,05,626.92
Office and Administrative expenses	VII	22,03,572.99	27,83,628.53
TOTAL		1,14,78,378.25	1,50,89,255.45
Surplus / (Deficit) for the Year		(16,28,475.26)	(23,15,361.48)
Transfer to Balance Sheet		(16,28,475.26)	(23,15,361.48)

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

As per our report of even date

for **SAMPATH & RAMESH**
CHARTERED ACCOUNTANTS
(Regd. No. (FRN) 0059475)

For SaciWATERs

(CA KRISHNA REDDY. A)
PARTNER, M.NO. 204755



(SHREYA CHAKRABORTY)
Officiating Executive Director

(C. RAMACHANDRAIAH)
Treasurer

(S.JANAKARAJAN)
President

Place : Hyderabad
DATE : 26, 2022



SaciWATERS

Plot No. 164, first floor Raod No. 6, VAYUPURI, Secunderabad - 500094

CONSOLIDATED RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD FROM APRIL 1, 2021 TO MARCH 31, 2022

PARTICULARS	Schedule No.	Current Year Amount INR	Previous Year Amount INR
RECEIPTS:			
Opening Balance	I		
Cash in hand		8,547.47	37,137.47
Cash at Bank		1,18,89,695.70	40,36,959.62
Cash at Bank (FD A/c)		65,60,647.00	1,82,41,908.00
		1,84,58,890.17	2,23,16,005.09
Funds / reimbursements received towards Implimenting the projects	II	81,26,466.81	1,16,81,181.78
Other Reciepts and Contributions	III	14,20,007.18	2,05,801.30
Bank Interest (including int on IT refund)	XII	4,60,824.00	8,73,523.00
Loans and Advances		2,78,123.42	3,33,376.00
TOTAL		2,87,44,311.58	3,54,09,887.17
PAYMENTS:			
Projects Implimentation cost	IV	94,14,214.26	1,31,56,714.00
Office and Administrative expenses	IV	23,14,756.99	28,90,345.00
Capital Expenditure	XI	34,220.00	-
Unspent funds transfer back to Donors	I	197.00	9,03,938.00
		1,17,63,388.25	1,69,50,997.00
Out standing Liabilies paid (previous year)		-	-
Loans , Advances and deposits	IX	58,388.67	-
Closing Balances:			
	I		
Cash in hand		16,748.47	8,547.47
Cash at Bank		35,80,696.19	1,18,89,695.70
Cash at Bank (FD A/c's)		1,33,25,090.00	65,60,647.00
		1,69,22,534.66	1,84,58,890.17
TOTAL		2,87,44,311.58	3,54,09,887.17

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

As per our report of even date

for **SAMPATH & RAMESH**
CHARTERED ACCOUNTANTS
(Regd. No. (FRN) 005947S)

For SaciWATERS

(CA KRISHNA REDDY. A)
PARTNER, M.NO. 204755



(SHREYA CHAKRABORTY)
Officiating Executive Director

(C. RAMACHANDRAIAH)
Treasurer

(S.JANAKARAJAN)
President

Place : Hyderabad
DATE :: July 26, 2022



TEAM



Farewells:

1. Avinash Y Kumar
2. Prithvi B
3. Mastan Vali
4. Solomon Gaddam
5. Shaik Khaleel Pasha
6. Raghu V
7. P.Hari Babu

Welcome:

1. Sunil K
2. Avinash Y Kumar
3. Lakshmi Vadapalli

SaciWATERS

South Asia Consortium for Interdisciplinary Water
Resources Studies

*Plot No. 164, First floor, Road no.6
Vayupuri, Secunderabad, Telangana
+91 40 29998042 Email: info@saciwaters.org
www.saciwaters.org*