

The background of the entire page is a close-up photograph of a green, weathered metal water tap. Water is flowing from the tap, creating a blurred stream. The background is out of focus, showing warm, golden-brown tones.

Your Partner in Clean Water Management

6 CLEAN WATER
AND SANITATION





NIRAS - Applying Innovative Solutions to Water Management

Water is essential to human life. Access to safe and affordable drinking water is a crucial right, vital for economic development, social well-being and reduction of poverty. Due to the increasing occurrence of water stress and scarcity, increasing variations and uncertainties in weather patterns, deterioration in water quality, and the mismanagement of water, there is an urgent demand for innovative technologies and solutions geared toward the future.

At NIRAS, we take an integrated and holistic approach to water management, access, and final domestic or income-generating use. Our expertise covers all aspects of planning, design and implementation of water-related projects in a variety of fields and our team of specialists comprises engineers, biologists, environmentalists, geologists, socio-economists and financial and institutional professionals.

Today, NIRAS has over 250 in-house water professionals who collaborate with over 500 external water sector specialists, implementing water-sector projects across the globe.

We apply tested, yet innovative, methodologies and rely on experience we have acquired on a large number of water-related assignments across the globe in:

- rural water supply;
- urban water supply;
- wastewater management;
- integrated water resources management;
- training/capacity building; and
- climate change and disaster risk management.





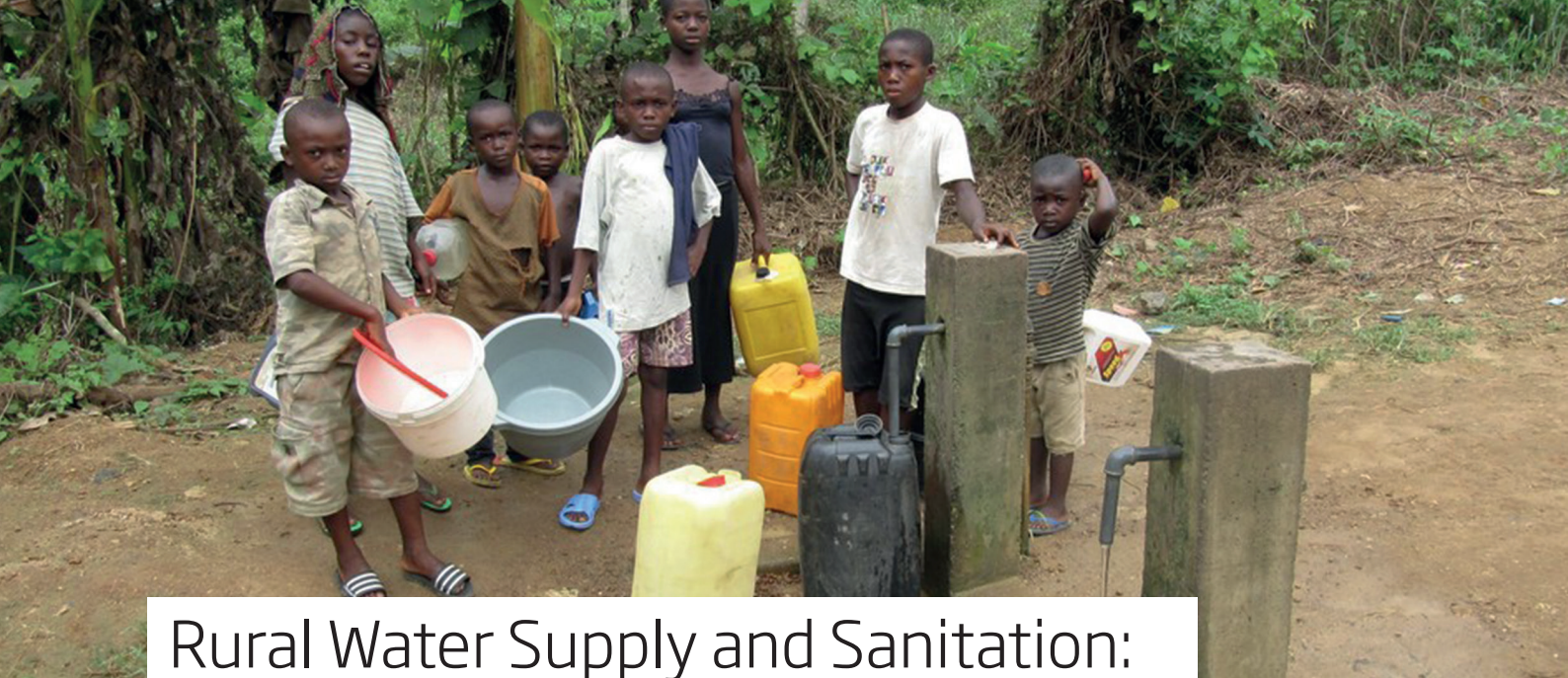
At NIRAS, we apply innovative solutions in our services and tools to always be one step ahead.

Water consumers today expect the supply of water to be efficient, safe and of high quality and hence water utility companies must be highly skilled and have both the technical expertise and the network capacity required to deliver this service.

Optimising sanitation, conveyance of sewage and satisfactory treatment of wastewater needs to be done in an integrated approach to wastewater management, addressing the issue from a broad perspective and encompassing factors such as storm water, wastewater drainage, treatment processes, effluent handling, and the absorptive capacity of receiving waters.



Integrated water resource management takes full recognition of the multi-disciplinary tasks involved, and our consulting and advisory services cover the entire range of disciplines, including transboundary water resources management. Adaptation to extreme weather events and unpredictability also require technical expertise and state-of-the-art technologies, specific to the environment in which they are to be applied. Projects must be administered wisely and of economic benefit to society.



Rural Water Supply and Sanitation: providing safe water for all

Ensuring a safe and sustainable water supply in rural areas is of fundamental importance for rural development all over the world. Access to basic water and sanitation services is a crucial right, vital for development and the reduction of poverty. Due to the increasing occurrence of water stress and scarcity, increasing variations and uncertainties in weather patterns, deterioration in water quality and the mismanagement of water, there is an urgent demand for innovative technologies, approaches and solutions.

NIRAS specialises in rural development and empowering rural communities to manage their natural resources in a sustainable way. Water is a critical natural resource, particularly in many arid and semi-arid areas. Community-based management of natural resources is key to ensuring sustainability and equal access. It also ensures that water resource management solutions are adapted to the needs and specific characteristics of each project area and ownership and that water resources will continue to be managed appropriately.

When solving water-related assignments, we make sure that other fields such as institutional development, sociology, health provision, financial and economic assessment and the environment are taken into consideration and needs and expectations met.

Our Services:

- *Implementation of rural water supply and sanitation projects, focusing on appropriate design and approaches as well as user participation and ownership*
- *Feasibility studies on technical, social, financial and environmental aspects*
- *Design, implementation and commissioning of water supply systems, from water intake to user*
- *Community fund mechanisms as tools for community-based needs assessment, social infrastructure planning and procurement*
- *Strengthening of the management capacity of locally based water committees and associations*
- *Improvement of locally based operational and management systems*
- *Behavioural changes in hygiene and sanitation*
- *Environmental impact assessments*
- *Decentralisation of planning, implementation and management of water supply systems.*

Innovative capacity-building for climate change (CC) adaptation and disaster risk management in Rural Water Supply & Sanitation (RWSS) investments.

Cambodia's second RWSS Project improves water supply and sanitation for 3-400,000 rural residents in 400 villages. NIRAS advisors designed a comprehensive capacity development program for the RWSS sector that recognises Cambodia's susceptibility to climate change and natural disasters. The project covers:

- *development of rural water safety plans;*
- *education and training in CC resilience and adaptation to floods, droughts, and impacts on groundwater;*
- *disaster risk management; and*
- *mainstreaming of CC impact management into RWSS initiatives at local government and village levels.*

The capacity development program will add considerable value to RWSS investments at national and provincial levels. It increases operational knowledge at commune and village levels in 28 communes. A roll-out of new activities in selected communes supports infrastructure initiatives and enhances RWSS sustainability through replication and scaling-up on new projects.

NIRAS implements this 2-year assignment with EUR 1.7 million value for the Asian Development Bank until 2019.



Rainwater harvesting pots in Cambodia

Project Title	Country	Years
Second Rural Water Supply and Sanitation Sector Project	Cambodia	2017-2019
Programme for the Water Sector - Water for Eastern Equatoria State	South Sudan	2013-2018
Water Sector Programme Support	Zambia	2012-2014
Rural Water Supply Component of the Water and Sanitation Sector Programme	Mali	2010-2016
Community Watershed Management Programme	Sudan	2010-2014
Water Supply, Sanitation and Hygiene Programme in Benishangul-Gumuz	Ethiopia	2009-2015
National RWSS Component of the Water Sector Development Programme	Tanzania	2009-2010
Water and Sanitation in Rural and Semi-Urban Environments, Diffa and Zinder	Niger	2007-2011
Decentralised WSS Sector Programme, Mopti and Sikasso regions	Mali	2007-2009



Urban Water Supply: distributing water fairly and efficiently

Water consumers today expect the treatment and distribution of their water to be efficient, safe and of high quality. Consequently, water utility companies must be highly skilled and have both the technical expertise and the network capacity required to deliver this service.

NIRAS strives to ensure that the final product reflects public demand, meets regulatory criteria and fulfils clients' requirements for durable and sustainable water supply infrastructures. We have proven experience in providing advice on the most technically appropriate technologies and research-based, state of the art solutions. We provide consultancy on well sites, preliminary investigations and drilling, construction and rehabilitation of water works and distribution systems.

Services also include advanced water network modelling combined with supervisory control and data acquisition, creating a real time operational management system for urban water companies. This operational management system provides water utilities with an excellent overview as well as full control via the internet from anywhere in the world. Other benefits include proactive on-line operation, improved customer care, pressure management, reducing leakage, access to critical information and key performance indicators (KPIs) and contingency management, i.e. incident and risk reduction.

Clients for water supply management services include private enterprises and industries, water utilities, municipalities and international development aid agencies.

Project Title	Country	Years
Feasibility studies, conceptual design and preparation of design-build tender documentation for Thika and Githunguri Water and Sanitation Improvement Project	Kenya	2017-2018
System Rehabilitation for NRW Reduction in South Part of the Colombo City	Sri Lanka	2017-2018
Improvement of Urban Water Supply and Sanitation, Kafubu Water and Sewerage Company	Zambia	2013- 2018
Feasibility Study for Urban Water Supply Network Rehabilitation in Unguja, Zanzibar	Tanzania	2011-2012

Our Services:

- Feasibility studies for water supply infrastructure on technical, social, financial and environmental aspects
- Application of water balance and groundwater occurrence models
- Chemical assessment of water quality from various sources for drinking water purposes
- Design, tendering and supervision of construction and commissioning of water supply systems
- Renovation and optimisation of large waterworks
- Network modelling and renovation planning for distribution systems
- Water network computer modelling of water pipeline networks providing real time information on operational conditions
- Demand management strategy formulation
- Planning, design and implementation of strategies for reducing non-revenue water
- Development of investment strategies for future expansion requirements
- Environmental legislation and regulatory frameworks.

Facilitating rapid urban growth in Kenya: Feasibility studies and innovation for Thika & Githunguri water & sanitation projects.

The Athi Water Services Board is planning new, rehabilitation or expansion of water and sanitation projects to serve the rapidly developing urban areas of Thika and Githunguri. These projects began with feasibility studies focusing on innovation, renewable energy and ‘whole-life costing’ aspects which NIRAS delivered, including;

- technical feasibility such as identification of feasible innovation and renewable energy actions, topographical and geotechnical surveys, hydraulic modelling etc;
- financial and economic feasibility such as water demand projections, investments cost estimate, financial modelling and tariff study, as well as cost-benefit analysis;
- environmental feasibility such as impacts assessments and an environmental and social management plan;
- institutional and organizational feasibility such as capacity-needs assessment and organizational recommendations.

NIRAS facilitated stakeholder participation and a study tour to Denmark.

Danida Business Finance supported this project with EUR 865,000 between 2017-2018



Thika and Githunguri are two rapidly urbanising towns in Kenya blessed with natural water resources.

Project Title	Country	Years
Consulting Services for Feasibility Study for Gondar Town Water Supply and Sanitation System	Ethiopia	2011-2012
Feasibility Study of Groundwater Resources for Urban Water Supply, Selangor	Malaysia	2008-2010
Diagnostics of Semi Urban Water Supply Schemes, feasibility Studies for rehabilitation	Cameroon	2010
Improvements to Water System Performance for Water Authority, Abu Dhabi	UAE	2009-2012
Integrated Project for Improvement of the Water Sector in Hisaria	Bulgaria	2008-2009

In recent years, environmental and wastewater legislation has been strengthened and harmonised in the European Union and in many other parts of the world. The stricter regulative framework has given rise to demands for safe and optimised conveyance of sewage and satisfactory treatment of wastewater from both private systems and schemes run by public utilities.

NIRAS believes in an integrated approach to wastewater management, addressing the issue from a broad perspective and encompassing factors such as storm water, waste-

water drainage, treatment processes, effluent handling and the absorptive capacity of receiving waters.

NIRAS' wastewater specialists have a broad educational and practical background. Our staff work in multidisciplinary teams consisting of engineers, biologists, economists, legal and institutional specialists as well as training, communication and capacity-building specialists. Our clients comprise private enterprises and industries, water utility companies, municipalities, and international development assistance agencies.

Waste Water Management: optimising economy and environmental impact

Our Services:

- *Diagnostic, master plan and feasibility studies;*
- *Planning, design and supervision of sewage systems and treatment plants;*
- *Modelling and chemical assessment of water quality;*
- *Modernisation and optimisation of treatment processes;*
- *Reuse of wastewater and storm water;*
- *Advance control and automation of sewer system and treatment plants;*
- *Analysis of sewer systems, sludge handling and disposal;*
- *Environmental impact assessments;*
- *Capacity building, institutional development and financial management;*
- *Environmental legislation and regulatory frameworks;*
- *Renewable energy and carbon footprint analysis;*
- *Automation and SCADA implementation;*
- *plants Biogas production from wastewater treatment plants; an*
- *Integrated management system, HOMIS*





Protecting the environment while improving wastewater infrastructure and living conditions in Bitola, Strumica and Tetovo.

NIRAS carried out feasibility studies as well as environmental impact and cost-benefit analyses and designed documentation and tender dossiers for wastewater collection and treatment investment projects in these three Macedonian municipalities.

More than 240,000 inhabitants will benefit from the forthcoming investments, the implementation of which will contribute to a significant improvement of the river water quality and have a positive impact on the regional economic development in the region.

The European Union allocated over EUR 3.2 million to the project between 2016 and 2018.

Project Title	Country	Years
Mandalay Urban Services Improvement Project, Community-Based Solid Waste Management	Myanmar	2017-2021
Preparation of studies (FS, EIA, CBA), design documentation and tender dossiers for waste water collection and treatment investment projects in the municipalities of Veles and Shtip	Macedonia	2016-2018
Technical Assistance for Monitoring the Implementation and Verification of Ha Giang Waste Water Treatment, Collection and Drainage project	Vietnam	2015-2019
IPA – preparation of studies (FS, EIA, CBA), design documentation and tender dossiers for waste water collection and treatment investment projects in the municipalities of Strumica, Bitola and Tetovo	Macedonia	2014-2016
Support to Wastewater Projects finance by Danida Business Finance	Vietnam	2010-2015
Supply and SCADA Implementation at Lynetten WWTP and Damhusåen WWTP	Denmark	2010-2012
Construction of the Kurching WasteWater and Biogas Treatment Plant	Malaysia	2010-2012
Conceptual Design for Optimisation of Mafraq WWTP and Al Zakher WWTP, Abu Dhabi	UAE	2009-2010
Construction of Anyang Biogas Plant	China	2007-2012
Supervision of Construction for Burgas, Targoviste and Popove Wastewater Collection and Treatment	Bulgaria	2007-2011
Rehabilitation of the Sewerage Network and Provision of Wastewater Treatment Facilities at Craiova	Romania	1999-2006
Feasibility Study, Design, Rehabilitation and Construction Management of Sewerage Network, Aalborg Municipality	Denmark	1998-2012
Extension and Modernisation of Esbjerg West WWTP, Esbjerg Utility Company	Denmark	1986- 2009



Integrated Resources Management: promoting optimal utilisation of water resources

Integrated water resources management (IWRM) addresses issues related to planning and development of water resources in the broadest possible context, including an array of economic, social and ecological characteristics of a specific river basin. In practical terms, this means that policies, strategies and programmes/projects involving other resource areas must be carefully analysed to assess the impact they may have on demands imposed upon a river basin's water resources.

NIRAS' approach to IWRM takes full recognition of the multi-disciplinary tasks involved, and our consulting and advisory services cover the entire range of disciplines, including transboundary water resources management.

Our expertise encompasses all areas relevant to the development and implementation of IWRM programmes and related activities in partnership with institutions and stakeholders in the country or countries involved. NIRAS has the expertise to address the key challenges in the water resources sector. We

are strategically geared towards providing specialists in both natural and social sciences and are able to compose teams including hydrologists, groundwater specialist, biologists, agronomists, foresters, environmental engineers, socio- economists and financial analysts. Moreover, many of our specialists have proven experience from the public sector and have worked in scientific or research institutions.

Our Services:

- *Hydrological studies of water bodies and groundwater aquifers;*
- *Analyses of water quality and pollution;*
- *Socio-economic assessments and studies;*
- *Climate change and impact on water resources, including adaptive water management;*
- *Capacity building and institutional strengthening;*
- *Legislation and administration of water resources; and*
- *Formulation of integrated water resource management and development plans, including investment programming.*

Project Title	Country	Years
Ayeyarwady Integrated River Basin Management Project	Myanmar	2017-2020
EU water sector technical assistance and reforms support	Egypt	2018-2020
Integrated Flood Risk Management in 13 Districts Affected by 2015 Floods	Malawi	2017-2018
Multinational Lakes Edward and Albert Integrated Fisheries and Water Resources Management Project (LEAF II)	DRC/Uganda	2017-2018
Preparation of Water Resources Management & Investment Plan	Somaliland	2016-2018
Reform in Water Sector On Central Level	Macedonia	2016-2017
Mahaweli Water Security Investment Programme	Sri Lanka	2015-2020
Support of the Water Management Reform Programme - Training Management & Human Resources Development for IWRM	Egypt	2012-2018
Shire River Basin Institutional Planning & Decision Support System	Malawi	2014-2017
National Water Sector Reform Studies	Gambia	2013-2015
Master Plan for the Development of Water Resources	Mauritius	2010-2012
Dry Zone Urban Water and Sanitation Project	Sri Lanka	2010-2012
Watershed M&E of the Tana Beles Integrated Water Resources Development Project	Ethiopia	2009-2014
Support to IWRM & TA to Water Resources Commission	Ghana	2000-2008
Wang Watershed Management Project	Bhutan	2000-2008



The project will strength integrated, climate resilient management and development of the Ayeyarwady River Basin and national water resources.

In the Ayeyarwady Integrated River Basin Management Project NIRAS provides comprehensive assistance to Myanmar's Department of Meterology & Hydrology (DMH) to modernise its operations and improve the quality of information on its products and services. The goal is to increase the capacity of DMH in the area of disaster reduction, water resources management, agriculture, transport, environmental protection and other sectors.

The project has three main components:

- water resource management institutions, decision support systems & capacity building;*
- hydromet observation and information systems modernization; and*
- navigation enhancement on Ayeyarwady River.*

The World Bank supports the project with EUR 3.6 million between 2017 and 2020.



Institutional Development in the Public Sector: strengthening capacity

It is crucial to strengthen the capacity of public water sector institutions if we are to advance developments in water sector processes at national and local levels.

Capacity building is a vast area of intervention and draws on a broad range of skills and specialist expertise such as policy formulation, institutional and organisational development, human resource development, legislation and enforcement and technical capacities in water organisations and utilities. Capacity building also covers analysis and adjustments

to the allocation of resources and responsibilities between the different levels of government and supports decentralisation processes and outsourcing.

NIRAS' approach to capacity building is always result oriented. We focus on the mandate and strategic goals of the organisation/utility in question, the external and internal contexts in which they operate, staff motivation and the promotion of willingness to change. Our support aims to enhance levels of service and ensure adherence to defined standards.

Our Services:

- *Policy and strategy formulation, including advisory services to policy makers and development of strategies for policy implementation, sector master plans etc;*
- *Legal and policy assessment and enforcement mechanisms;*
- *Development of corporate plans and business plans for water utilities;*
- *Strengthening of institutions and organisations with a view to improving management, efficiency and transparency; and*
- *Strengthening of technical skills in organisations, including formal and on-the-job training, development of manuals and guidelines, etc.*

Project Title	Country	Years
Urgent Water and Sanitation Services Rehabilitation Project	Zimbabwe	2013-2014
Institutional Development for Quang Binh Development One Member Ltd. Company, Dong Hoi City, Vietnam	Vietnam	2012-2014
Capacity Building on Water Utility Management to Zanzibar Water Supply Authority	Tanzania	2011- 2013
Institutional Development - National Water Supply & Sewerage Authority	Grenada	2010-2011
Application of Integrated Technology Systems for Control of Water Leakage, Cairo	Egypt	2010
Capacity Building of Urban & District Water Supply & Sewerage Authorities	Tanzania	2009-2011
Institutional Development to Water Supply and Sanitation Authorities	Sri Lanka	2008-2011
Technical and Institutional Review of Dominica Water & Sewerage Company	Dominica	2007-2008

Urgent Water Supply and Sanitation Rehabilitation Project Phase II aims to contribute to improved health and social wellbeing of the Zimbabwean population through improved provision of water and sanitation services.

NIRAS oversaw institutional development for six project towns covering a population of 1.9 million. The project comprised curriculum development for O&M - water supply and sewerage - as well as training for public officials on:

- *basic water treatment processes;*
- *operation & maintenance training of sewerage system;*
- *occupational health & safety procedures;*
- *water quality assurance;*
- *basic computer skills; and*
- *development of strategy and implementation plan for revenue and cost recovery.*

The African Development Bank supported the project with EUR 500,000 between 2013 and 2014.





Developing capacity and creating networks via participatory training where participants' experiences and expertise are integrated

The International Training Programme "Sustainable Urban Water and Sanitation - Integrated Processes" aims to create awareness, knowledge and change processes to promote integrated approaches for planning and implementation of urban water and sanitation

NIRAS will train participants from Bangladesh, Tanzania, Uganda, Burma, Kenya, Nepal, Laos and Cambodia all of whom have a mandate and capacity to drive change processes within their respective organizations.

The Swedish International Development Cooperation Agency (Sida) supports the project with EUR 7.2 million between 2016 and 2019.

International Training Programmes: building change on knowledge





Course Titles	Years
Sustainable Urban Water and Sanitation – Integrated Processes	2016-2019
Integrated Coastal Development,	2011-2015
Climate Change Adaptation, Danida Fellowship Course Provider	2009-2015
Environmental Mainstreaming	2009-2012
Transboundary Water Management	2006-2010
Integrated Water Resource Management (IWRM)	2005-2010

Water scarcity hampers development in many countries today although there is no scarcity of knowledge on ways in which to address the issue. Research continues and knowledge is constantly on the increase. Sharing of such knowledge is lacking and training is needed at all levels and for all purposes.

NIRAS' involvement in the training of water professionals and decision-makers goes back many decades. Over the years, we have provided intensive, advanced water management training programmes for senior staff from government authorities, the private sector, academia, and civil organisations.

Programmes have been many and varied, covering both global and local perspectives, including Integrated Water Resources Management (IWRM) or taking the form of small seminar-styled workshops for members of government. Over 1,200 professionals have taken part in some 55 programmes.

Training must be driven by demand and aim for concrete results. In other words, training is a change process. This re-

quires progressive approaches to tuition. Our programmes combine individual work at home with group sessions that include lectures, role play, panel discussions, excursions, field work and case studies. The rewarding interaction between participants and lecturers from all corners of the world is also an extremely important part of the process.

Our Services:

- *Broad, long-term global and regional training programmes;*
- *Specific basin-focused programmes in basin management;*
- *Senior staff seminars and workshops;*
- *Distance-learning programmes;*
- *Progressive pedagogy;*
- *Training in project design & implementation;*
- *Water training modules within projects and programmes; and*
- *Training programmes driven by national demand.*



Climate Change Adaptation: challenges and opportunities for development

Adaptation to extreme weather events, changes in precipitation patterns and increased weather unpredictability caused by climate change are challenges facing the whole world. The fact that the least developed countries are expected to suffer the most from climate change due to their high dependency on natural resources and the lack of funds for adaptation measures makes the challenge even greater. NIRAS works with stakeholders at all levels to design and implement effective adaptation strategies in some of the world's most vulnerable places.

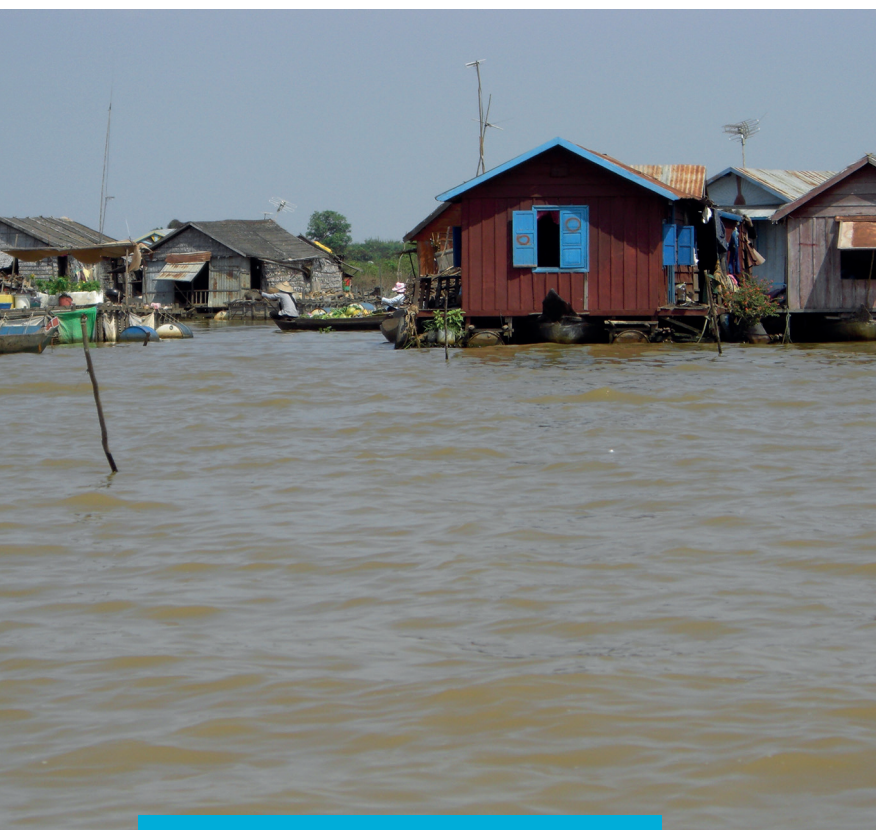
Our approach is based on technical expertise and state of the art technologies, carefully adapted to the environment in which they are to be applied. Turnkey solutions are not favoured: we will always develop programmes in close dialogue with the client and beneficiaries. NIRAS provides technical assistance in adaptive water management.

We focus on addressing uncertainties by taking a flexible approach to water management and introducing water infrastructure design that is adaptable to climate change. Solutions can be adapted if unknown or unexpected conditions arise, ensuring that they can be adjusted and corrected as new knowledge is gained and, thus, are geared to the future.

Our Services:

- *Identification and development of viable solutions for increasing water availability, including increased utilisation of groundwater, increased storage capacity, desalination, water harvesting schemes and water transfers (inter- and intra-basin water conveyance systems)*
- *Improvement of water-use efficiency, e.g. recycling water or reducing losses in existing water systems schemes, and of economic incentives, including metering and pricing, to encourage water conservation*
- *Advice on reduction in water demand for irrigation by changing the cropping calendar, crop mix, irrigation method and area planted or by importing agricultural products, i.e. "virtual water"*
- *Promotion of indigenous practices for sustainable water use*
- *Expanded use of water markets to reallocate water to highly valued uses*
- *Legislation and administrative reform programming*
- *Public awareness creation and training in climate change adaptation*
- *Sea level rise modelling and identification of areas potentially in risk of being flooded.*
- *Urban storm-water management*

Project title	Country	Years
Integrated Urban Environmental Management in the Tonle Sap Basin	Cambodia	2016-2022
Technical Assistance for Climate Action Support to the Caribbean Development Bank	Caribbean	2014-2016
Mid Term Review for Lake Chilwa Basin Climate Adaptation Project	Malawi	2014
Agricultural Water Productivity for Adaptation to Climate Change	Egypt	2013-2016
Institutional Strengthening of MICOA, Environmental Mainstreaming, and Climate Change Initiatives	Mozambique	2011-2016
Technical Assistance to the Natural Resource Management Programme	Kenya	2011-2016
National Intelligent Rainwater Use Projects for The Royal Danish Horticultural Society	Denmark	2011- 2012
Sustainable Management of Land and Environment in Zanzibar (SMOLE)	Tanzania	2010-2013
Disaster Risk Reduction: Policies, Planning, Budgeting and Action, Danida Fellowship Course Provider	Denmark	2010-2012
Addressing Climate Change in Development Assistance, Danida Fellowship Course Provider	Denmark	2009-2015
Technical Assistance to the Special Office of the President/Arid Lands Resource Management Project	Kenya	2007-2011
Formulation Mission "Climate Change Awareness Programme"	India	2008
Municipal Plan Adapted to Climate Change, Hedensted Municipality	Denmark	2007-2009



The Mekong River Basin is changing rapidly due to accelerating water infrastructure development and climate change, bringing considerable modifications to the flood pulse of the Tonle Sap Lake, the largest source of freshwater fish in Southeast Asia.

Building climate change resilience and improving urban services n Kampong Chhnang and Pursat, Cambodia

The Integrated Urban Environmental Management Project in the Tonle Sap Basin aims to enhance urban climate change resilience - including flood protection, basic public services and physical and non-physical infrastructures - through integrated urban environmental management and community mobilization.

NIRAS will help identify climate resilient infrastructure investments, demonstrate innovative solutions of integrated solid waste management and promote Public-Private Partnerships (PPPs) in the operation and maintenance of sustainable and reliable urban services.

The Asian Development Bank supports the project with EUR 4 million between 2016 and 2022.

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NIRAS offices around the world

Our decentralized structure ensures we're always close to our projects. With 51 offices in 27 countries, we maintain strong local ties to clients, experts and organizations in all of our key markets. Building on our motto "we listen, we learn, we deliver", NIRAS is proud to be a long-term partner in the pursuit of growth and prosperity for the countries in which we work and is committed to building local capacity, beyond the lifespan of individual projects, to achieve sustainable and equitable future societies.

■ Next generation consultancy

Owned by a Foundation and its employees, the NIRAS Group is an international multidisciplinary consultancy firm creating sustainable development solutions across the globe. We have close to 2,200 employees worldwide and implement projects in over 100 countries. NIRAS works with everything from construction, energy, utilities, environment and infrastructure to development consulting, the process industry, architecture, GIS, geodata and automation, as well as urban planning.

Ethics and sustainability

Through the more than 7,000 projects NIRAS implements around the globe, we are doing our part to contribute to sustainable societies by meeting the UN's Sustainable Development Goals (SDGs). All NIRAS results reporting is now linked to their contributions to one or several of the SDGs. In our own practice, we emphasise accountability and ethics. NIRAS is a signatory to the UN Global Compact and member of the International Federation of Consulting Engineers (FIDIC). Through these, we have committed to uphold a number of international principles.

Development consulting

A key business unit, NIRAS Development Consulting has several offices in Africa and Asia as well as European head offices in Denmark, Finland, Germany, Poland, Serbia and Sweden. While our main focus had initially been on rural development, food security, and agribusiness, over the years, NIRAS Development Consulting has expanded its expertise to a broad number of fields including climate change and the green economy; renewable energy; land tenure security and administration; water resource management; urban planning; vocational education, training and employment promotion; monitoring and evaluation; good governance; and human rights and gender. We pride ourselves on efficient and effective results-based management.

Today, in addition to these and other focal areas, NIRAS manages a steadily growing portfolio of large fund and grant management contracts and employs a state-of-the-art fund management and monitoring & evaluation system – smartME – to improve efficiency, visibility and communication for our clients.

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