Swiss Water Partnership Member Organisations

2013

Contents

Swiss Water Partnership

Building cross sector dialogue and cooperation

What is the Swiss Water Partnership (SWP)?

The Swiss Water Partnership is an independent, value-based platform that brings together member organisations from the Swiss academic, civil society, public and private spheres. SWP builds on the understanding that stakeholders from all sectors must work together in order to find innovative solutions to address water challenges in developing and transition countries, and in countries in emergency situations. We are aware of Switzerland's privileged hydrological situation and our responsibility to support others in achieving water security for their population and aquatic ecosystems. Therefore the shared values of our platform are solidarity and integrity.

Overall goal

The platform aims to harness Swiss capacities in all these spheres and to contribute to the broader international water dialogue.

The SWP brings together Swiss knowhow and expertise in order to promote:

- Sustainable and equitable use of water resources.
- Sustainable provision of universal access to drinking water and sanitation.
- Sustainable and equitable management of ecosystems, including water, food and energy production aspects.
- Mitigation and adaptation to prevent natural hazards in the water sector.

SWP activities are guided by the principles of 1) non partisan, 2) evidence based and 3) information transparent working.

Main Objectives

- **A dynamic learning platform**
  SWP allows its members to meet, exchange information and share knowledge.
- **A strong Swiss voice**
  The Swiss knowhow, research on water and solutions are widely recognised at international level.
- **Water dialogues**
  SWP members contribute to shaping water policies and are involved in crosscutting dialogues.

SWP Services: becoming the Swiss Water Hub

- Information exchange, networking and knowledge sharing
- Development of new cross sector partnerships
- Access to information / broker
- Promotion of Swiss expertise internationally
- Enhancing dialogue on global water policy issues
- Development of Swiss common positions

Swiss Water Knowhow and Expertise

Switzerland is known as the water tower of Europe and benefits from water in sufficient quantity and high quality. However, due to its high external water footprint of approximately 82%, the country has the responsibility to contribute to water security at the global level. It has great potential for this contribution thanks to its knowhow and culture of solidarity.

The SWP endorses this reality and has the vision to be a globally recognised branding of high quality solutions for water security by 2017.

Different thematic areas contribute to the achievement of water security as UN-Water has defined it and within these areas, our members have developed specific knowhow and expertise. See some examples below:

- **Integrated Water Resources Management**: *supporting water allocation mechanisms, payment for environmental services, dialogue on transboundary waters*
- **Climate change**: *understanding effects of climate change (research) and ways for prevention and mitigation*
- **Water, food, energy nexus**: *enhancing water & waste reuse/recycling and cross sector collaboration*
- **Sustainable and effective water usage**: *developing innovative technologies, promoting management of decentralized systems, enhancing behaviour change*
- **Water stewardship:** *triggering and supporting stakeholder engagement*
- **Water economics:** *supporting financial sustainability of water services (including defining roles of public and private sectors, financing/subsidy mechanisms)*
- **Water policy and governance:** *supporting standard setting with a human right perspective*
- **Education**: *supporting capacity development of local stakeholders on site or by e-learning*

Member Organisations

Public Sector

Private Sector (Start Up/SME, Consulting Company, transnational Company)

Non Governmental Organisations and specialised Associations

Research and Education

AF Consult

AF-Consult Switzerland AG

AF-Consult Switzerland is a leading Swiss engineering company with an extensive service portfolio in all areas of energy and environmental technology. The company's is operative since 1923 under different names such as "Motor-Columbus" or "Colenco Power Engineering Ltd" before it become part of the AF-Group in 2007. Whatever the size of the project, customers benefit from the in-depth know-how and broad experience of highly qualified professionals operating around the world. As a company of the global ÅF Group, AF-Consult Switzerland has access to a network of several thousand employees. AF-Consult Switzerland has a permanent work force of about 220 professional engineers and technicians, supported by commercial and contractual specialists, administrative staff and up-to-date communication network, computing and CAD facilities. The activities of AF-Consult Switzerland can be divided into two sectors, the energy technology comprising four departments ("Hydro Power", "Thermal Energy", "Nuclear Energy" and "Transmission & Distribution") and the environmental technology comprising two departments ("Water and Environment" and "Groundwater Protection and Waste Disposal"). Our first priority is to provide first-rate engineering services in all fields of energy and environmental technology to secure our customers' market success. In so doing, we also strive to maintain and improve the quality of life while taking all possible measures to preserve and save natural resources. To achieve this goal, we make use of our company's know-how, our international market presence and the full range of potential of our staff. AF-Consult Switzerland sees itself as an independent agent of our clients, without affiliations to the suppliers, providing services aligned at all times with the needs and standards of the customers. Clients of AF-Consult Switzerland are traditionally government departments, public authorities, utilities and industry and increasingly the independent power production community, including banks, developers, suppliers and contractors. With many of them, AF-Consult Switzerland has retained successful relationships over several decades. Large projects abroad are frequently financed through international lending institutions such as the World Bank, the Asian Development Bank, the European Bank for Reconstruction and Develop-ment, Swiss State Secretariat for Economic Affairs (SECO) or the Interamerican Development Bank

1.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues), Data collection and modelling (GIS, hydrology, etc.), Water policy (processes at international & national levels))*

Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects))*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Corporate risks and opportunities (including water footprint, waterstewardship))*

Water for nature *(Aquatic Ecosystems, Environmental Impact Assessment, DRR (flood management/ drought))*

Water and climate change *(Modelling, Adaptation, Mitigation)*

1.2. Geographic focus:

- Switzerland
- East Europe
- West Europe
- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- Central Asia
- South Asia
- Southeast Asia
- Russia

1.3. Stakeholder's Category

Consulting Company

1.4. Contact

Marcel Schiesser, Taefernstrasse 26, CH-5405 Baden, Switzerland

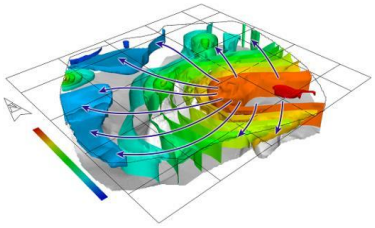
1.5. Projects

Hydro Power

The increasing need for clean energy through the greater use of hydropower is today a sociopolitical necessity. In the sector of new power stations, we provide services such as comprehensive site investigations, environmental compatibility studies, energy studies, minimum stream-flow studies, licensing applications, project planning, feasibility studies, tender design and tender documents, construction design and supervision to ensure high-quality construction, the use of up-to-date electro-mechanical equipment and components, and innovative design of small-scale hydropower stations.

Water and Environment

Both present and future planning of hydraulic structures and consulting work in this field have to take into account a variety of environmental aspects so as to meet the demands of best possible natural life preservation and continue to fulfil stringent safety requirements. Our experts are used to provide technical assistance for international water supply and waste water projects during all project stages. We offer global solutions to the customer based on current specialized knowledge of our engineers and experience acquired from implemented projects.



Groundwater Protection and Waste Disposal

The activities of the Groundwater Protection and Waste Disposal Department revolve mainly around flow and transport processes in geological formations. Most services offered by the department are related to geo-scientific investigations either of groundwater as a resour-ce worthy of protection, of groundwater as a source of risk for underground facilities, or of groundwater as a transport agent for contaminants.

2. Alliance Sud

Access to water and sanitation is a human right which needs to be secured by guaranteeing that water is a public good. Together with partner organisations in the South and in the North Alliance Sud advocates against the privatisation of water access and public private partnerships in the water sector. Alliance Sud - Swiss Alliance of Development Organisations - is the common platform for development policy by the six leading Swiss development organisations: Swissaid, Catholic Lenten Fund, Bread for all, Helvetas, Caritas and Interchurch Aid.

2.1. Thematic expertise:

Integrated Water Resources Management *(Water policy (processes at international & national levels))*

2.2. Geographic focus:

-

2.3. Stakeholder's Category

NGO/CSO/Foundation

2.4. Contact

Nicole Werner, Monbijoustrasse 31, 3011 Bern

2.5. Projects

3. Antenna Technologies

Antenna Technologies research and disseminate technologies which are appropriate to the basic needs of the most vulnerable communities. We are registered as a Swiss charitable foundation. We enable the poorest to access simple, low-cost innovations for improving their quality of life, involving communities in their health care. Our goals - To overcome the problems of health, in line with the principles of sustainable development and social justice - To participate in the socio-economic progress of affected regions by enabling sustainable economic development models rooted in local resources - Empowering local communities and enable them to take their due place in sustainable economic models.

3.1. Thematic expertise:

Integrated Water Resources Management *(Water policy (processes at international & national levels))*
Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Water technologies (water supply and treatment), Hygiene promotion and behavior changes, Financing)*

3.2. Geographic focus:

- South America
- Central America
- East Africa
- West Africa
- South Africa
- Central Asia
- South Asia
- Southeast Asia

3.3. Stakeholder's Category

NGO/CSO/Foundation

3.4. Contact

Carole de Bazignan, 24 av de la Grenade - 1207 Geneva

3.5. Projects

Safe Water School
With support from the Swiss Agency for Development and Cooperation (SDC) and the Symphasis Foundation, Antenna has been working with the Swiss Federal Institute of Aquatic Science and Technology (EAWAG) to promote hygiene and water treatment in schools that lack clean water. The Safe Water School project covers 30 schools in Kenya, 40 in Bolivia and 35 in Haiti. Impact: 55,063 beneficiaries. Schools are the ideal entry points for raising awareness and encouraging good hygiene practices. This project includes: Educating pupils about water and health, good hygiene practices, sanitation and water treatment options; Training in two water treatment methods: chlorination using mini-WATA equipment; and solar water disinfection (SODIS); Installation of water treatment points in schools;

Suitable teaching materials and manuals developed by Antenna and its partners as a means of complementing the work done by hygiene committees.

Scaling up Safe Water in South Asia: large-scale dissemination of water treatment methods

With support from the Swiss Agency for Development and Cooperation (SDC), Caritas and the ProVictimis Foundation, Antenna launched a set of pilot programmes in Nepal, Bangladesh and India in 2010. The objective was to develop viable economic models around water treatment methods such as chlorination using WATA equipment. Impact: 263,614 beneficiaries Two projects carried out by the social enterprises Springhealth (in India) and Hydrologics (in Cambodia) were included in the Scaling up Safe Water pilot programme in 2012. They show strong potential for large-scale dissemination. Moreover, the strategy and perspective that are being applied by the private sector have brought knowledge and valuable experience into the group of partners.

Tinkisso-Antenna, a local NGO responsible for a national programme

The gradual introduction of the WATASOL approach in Guinea began in response to a cholera outbreak in 2008 and could serve as a model for other countries. Tinkisso-Antenna, our motivated and competent local partner, is currently working with the Guinean Ministry of Health to extend the production and distribution of chlorine flasks throughout the entire national territory. Impact: 560,000 beneficiaries Partnering with healthcare services, Tinkisso-Antenna has become a producer of chlorine for around 800,000 potential beneficiaries. The government has commissioned the installation of Maxi-WATA equipment in each region. The challenge for project viability is to ensure that the equipment is used after the rainy season, when the risk of cholera increases.

4. Autark Engineersing

Autark Engineering AG
ecological engineering solutions

Autark Engineering AG provides engineering consultancy for reuse oriented wastewater management world-wide. Focussing on ecological engineering principals, Autark Engineering AG is specialized on decentralized wastewater treatment and reuse systems for urban development.

4.1. Thematic expertise:

Water for people *(Urban water supply and sanitation, Sanitation technologies)*
Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus))*

4.2. Geographic focus:

Switzerland
- North Africa and Middle East
- Central Asia

4.3. Stakeholder's Category

Private Consulting Company

4.4. Contact

Nanchoz Zimmermann, Hauptstrasse 22

4.5. Projects

AD+ for Office Tower in Mumbai

Decentralized wastewater treatment and reuse plant for new office tower in Mumbai.

Stöckacker Süd, Bern
Decentralized wastewater treatment system for new eco-friendly settlenement in the capital of Switzerland.

5. Bern University of Applied Sciences – Agriculture, Forest and Food (HAFL)

Bern University of Applied Sciences
School of Agricultural, Forest and Food Sciences

The School of Agricultural, Forest and Food Sciences HAFL is a center that offers Bachelor and Master degree courses, conducts applied research and provides consulting services. Judicious use of water resources is a key subject in all three HAFL domains – agriculture, forestry and food industry –, whereby the efficient and productive use of water in and for agriculture receives particular attention. Besides training students in the rational utilization and management of water, we plan and evaluate projects (incl. CBA) and provide support in all areas relating to water in/for agriculture. In our applied research we develop tools and practices for an efficient and productive use of water in agriculture.

5.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), Data collection and modelling (GIS, hydrology, etc.))*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects), Supply chains & commercialization, Other)*

Water for nature *(DRR (flood management/ drought))*

Water and climate change *(Adaptation, Mitigation)*

Improved water productivity in irrigated and rainfed agriculture; Water re-use in agriculture; Virtual water

5.2. Geographic focus:

- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- Central Asia
- South Asia
- Southeast Asia

5.3. Stakeholder's Category

Research

5.4. Contact

Christoph Studer, Professor of Natural Resources Management, Laenggasse 85, CH-3052 Zollikofen

5.5. Projects

Water efficiency studies for the Fairtrade Water Project

The project aims at increasing income and stability of agricultural production (i.e. decreasing poverty and risk) through water-efficient practices, where rational by including small-scale irrigation. A tool is being developed for small-scale farmers that allows optimizing farming operations (in terms of income and water productivity), considering both options under rainfed and small-scale irrigated cropping. Besides the optimization of agricultural practices, marketing aspects are particularly considered in the project.

RISE (Response-Inducing Sustainability Evaluation)

RISE is an indicator-based method for holistic sustainability assessment of agricultural production at farm level, attempting to make sustainability better measurable, communicable and tangible. The RISE analysis depicts ecological, economic and social aspects of the sustainability of agricultural production on the basis of 10 indicators, which are calculated from 50 parameters. Since 2000, RISE has been applied on approximately 1'300 farms in 36 countries.

More information about expertise and services offered by HAFL in the domain of water management

6. BHP - Brugger and Partners Ltd.

BHP – Brugger and Partners Ltd. is a Zurich based consulting company with 22 employees. We support national and international clients from the private and the public sector as well as NPOs and universities in developing tailor-made strategies and in implementing sustainable business practices, products and services.

6.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), Water policy (processes at international & national levels))*

Water for people *(Legal and regulatory framework, Human right to water and sanitation (include water quality, equity, accountability, etc.), Financing)*

Water for others uses *(Corporate risks and opportunities (including water footprint, waterstewardship))*

6.2. Geographic focus:

- Switzerland
- East Africa
- South Asia

6.3. Stakeholder's Category

Private Consulting Company

6.4. Contact

Thomas Streiff, Lagerstr. 33, CH-8021 Zürich

6.5. Projects

The International ReSource Award for Sustainable Watershed Management

The International ReSource Award for Sustainable Watershed Management is an internationally recognised prize acknowledging leadership in the implementation of the principles of sustainability in watershed management. Every year US$150,000 is awarded by an international jury to either one, or across several, projects. The award is a result of Swiss Re Foundation's commitment to water protection projects in the face of a grave need for sustainable access to clean water supplies in developing and emerging countries.

solidarit'eau suisse

Solidarit'eau suisse is an initiative of the Swiss Agency for Development and Cooperation (SDC), the Aguasan Group and Swiss aid organizations. This initiative enables local authorities and water providers to support a drinking water project in a developing country in an efficient and transparent manner. The initiative is based on Switzerland's contribution to the achievement of Millennium

Development Goal No. 7 to halve the proportion of people in rural and urban areas without sustainable access to safe drinking water and basic sanitation. The vision of solidarit'eau suisse is that every local authority and water provider in Switzerland will become a solidarit'eau suisse community (support with 0.01 Swiss francs per cubic meter of drinking water consumed).

7. Cap Santé Foundation

The Cap Santé Foundation has been active for more than ten years, contributing to information and public education on the themes of water and health. Founding members include the municipalities of Port-Valais, St-Gingolph, Vouvry, the Region and the State of Valais. The foundation proposes several exhibitions: Water in Valais (French and German) - Water and health in the world - Water in the body and food -Program Zanzymus ' balances and imbalances in food ' (an interactive show with games). Other projects inlcude 'Res'eau', aimed to bring together interested partners to centralize competencies related to the field of water and to create a pool of new skills through synergies (economic development of the Valais) as well as the development of a 'water web portal' for information and involvement of private and public partners in regards to issues related to water.

7.1. Thematic expertise:

Integrated Water Resources Management *(Water policy (processes at international & national levels))*

Water for people *(Hygiene promotion and behavior changes)*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Corporate risks and opportunities (including water footprint, waterstewardship))*

7.2. Geographic focus:

- Switzerland

7.3. Stakeholder's Category

NGO/CSO/Foundation

7.4. Contact

Herve Fournier, Centre du Parc - Rue Marconi 19 - 1920 Martingy

7.5. Projects

Notre Eau - Our Water

This exhibition is interactive and mobile. It is proposed by the Cap Santé Foundation with the support of Loterie Romande, the Forces Motrices Valaisannes (FMV)) and the municipalities of Port-Valais, Vouvry and St-Gingolph. Cap Santé is a foundation active for more than ten years, contributing to information and public education on the themes of water, health and the quality of life. The foundation proposes several exhibitions: • Water in Valais (French and German) • Water and health in the world • The water in the body and food • Program ' balances and imbalances in food ' (a show with interactive and games) • An association called creation ' Res'eau ', aimed to bring together interested partners to centralize competencies related to the field of water and to create a pool of new skills through synergies (economic development of the Valais). • The development of a 'water web portal' for information and involvement of private and public partners in regards to issues in the fields of water (with the support of Loterie romande). The "Our water" exhibition showcases information, issues and activities in 4 main areas: • Water in the body and health • Water in our diet • Water in the environment • Water for energy and industry and needs for day-to-day activities These topics are presented on 8 roll-ups and are complemented by interactive quizzes on touch screens.

8. Caritas Switzerland

Access to water and basic sanitation is a human right. With our programmes, we help to ensure that this basic right is realised and that the access of poor, marginalised population groups to clean drinking water, service water and sanitary facilities is improved on a sustainable social, environmental and economic level, reducing the risk of hygiene-related diseases. Furthermore, we support local efforts to improve water management and to ensure an equitable distribution of these natural resources.

8.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning))*

Water for people *(Rural/ semi-urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects), Other)*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects))*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus))*

Water for nature *(DRR (flood management/ drought))*

Water and climate change *(Adaptation, Mitigation)*

8.2. Geographic focus:

- East Europe
- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- Central Asia
- South Asia
- Southeast Asia

8.3. Stakeholder's Category

NGO/CSO/Foundation

Contact

Thorsten Reckerzügl, Löwenstrasse 3, 6002 Luzern

8.4. Projects

Construction of five Rock Catchments including Hygiene and Sanitation Campaigns in Eastern Equatoria State, South Sudan

The project at hand is designed to contribute to the overall aim to sustainably improve the wellbeing and health conditions of the poorest and most vulnerable communities in South Sudan. More specifically the project proposes to increase the beneficiaries' access to sufficient and clean drinking water, reduce water shortage during dry seasons, and increase their access to sanitation facilities. In addition the project focuses on the improvement of the communities' capacity to sustainably operate and manage its water resources, water infrastructures and

sanitation facilities. This is directly related to the overall improvement of the beneficiaries' health by means of adopting safe hygiene and sanitation practices. Several training components accompany the construction measures to address the needs and to strengthen the beneficiaries capacities. The training measures refer to 1.) the creation of Village Water Committees, which will regulate and manage the village water system and its consumption, 2.) on-the-job trainings for local craftsmen and technicians in order to be able to provide simple repair and maintenance work as well as the 3.) training of Village Hygiene Promoters, who sensitize the village communities in hygiene and sanitation aspects. Overall the project implementation strongly applies a participatory approach to create ownership among the beneficiaries and to ensure the continuation of the initiated project in the communities.

9. CEWAS- Seecon

international centre for water management services

cewas is a Swiss-based competence centre linking sustainable water, sanitation and resource management with business development. cewas is a non-profit association managed by seecon international offering professional training, coaching, networking and consulting to bring sustainable business ideas into reality.

9.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues), Water policy (processes at international & national levels))*

Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects), Financing)*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects), Supply chains & commercialization)*

Water for others uses *(Water processing, Corporate risks and opportunities (including water footprint, waterstewardship))*

Water for nature *(Aquatic Ecosystems, Environmental Impact Assessment)*

Water and climate change *(Modelling, Adaptation, Mitigation, Other)*

9.2. Geographic focus:

- Switzerland
- West Europe
- South America
- East Africa
- West Africa
- Central Asia
- South Asia
- Southeast Asia

9.3. Stakeholder's Category

NGO/CSO/Foundation

9.4. Contact

Michael Kropac, cewas, Ettiswilerstrasse 24, 6130 Willisau

9.5. Projects

cewas Start-Up programme

cewas is the international Training Centre for start-ups in the water, sanitation and resource management based in Willisau (Switzerland). The third cewas Start-Up programme is directed at graduates who want to start their own business in the emerging water sector. Within the one-year training programme which will be commencing in September 2013, young entrepreneurs-to-be are supported in the foundation of their business with advanced training modules,

business coaching and consulting by international experts and an extensive international network. The next cewas Start-Up programme begins on the 9th of September 2013 and will last until August 2014. Closing date for applications is the 21st of June 2013. For more information please visit www.cewas.org or contact diah.uhlmann@cewas.org (+41 (0)41 971 00 78).

Sustainable Sanitation and Water Management (SSWM) Toolbox

The free online SSWM Toolbox is a new educational software application that can answer (almost) all questions on the topic of sustainable water and wastewater management. It incorporates all aspects of the water cycle, and shows the links to the nutrient cycle. Human activity is central to these interconnections. The SSWM Toolbox was designed under the direction of seecon for a multitude of users, especially those in developing countries. In addition to planning and implementation methods, the constantly updated toolbox offers technical and behaviour-changing solutions to aid local level development of sanitation and water management that is more environmentally sustainable. In 2011, the SSWM Toolbox received the International Water Association's (IWA) Project Innovation Award for software in the "Sanitation and Wastewater" category.

Integrity Management Kenya

orruption hinders development in the water and sanitation sector on a big scale. While there are many initiatives addressing the "demand side" of corruption, little is done to tackle the problem from the "supply side". Integrity Management in companies presents the opportunity to respond to the increasing awareness of sustainability and legal compliance in a transparent, accountable and structured manner. However, its advantages and potential have not yet been acknowledged in the private water sector. In order to spread the concept's benefits, cewas, the Water Integrity Network and the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) jointly seek to develop an operational Integrity Management Toolbox for improving integrity behaviour of actors in the water and sanitation sector.

10. CleantechAlps

CleantechAlps is the platform dedicated to the development of the clean technology sector in western Switzerland. The gateway to the cleantech field, its purpose is to promote interaction between the players in the field and increase the region's visibility via the expertise available within the sector. Water is one of our main priorities.

10.1. Thematic expertise:

Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Water technologies (water supply and treatment), Sanitation technologies, Operation and maintenance, monitoring (soft aspects), Other)*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects), Other)*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Water processing, Other)*

Water for nature *(Environmental Impact Assessment)*

10.2. Geographic focus:

- Switzerland
- Provide support to access foreign markets

10.3. Stakeholder's Category

Governmental

10.4. Contact

Mr. Eric Plan, c/o CimArk SA, Rte du Rawyl 47, 1950 Sion

10.5. Projects

Study: Water treatment in western Switzerland

Water treatment, one of the major strands of the CleantechAlps platform, is not among the best-known fields of cleantech. With the aim of demonstrating the existing expertise in western Switzerland and outlining the main issues involved in this sector, we are presenting you with this updated survey. It will introduce you to some of the companies and technological institutes who lead their specialised fields, offering a range of innovative solutions. They deserve to be more widely known, earning western Switzerland the status of a real centre of excellence in the field of water treatment.

11. Creaholic

Innovation Factory

11.1. Thematic expertise:

Water for people *(Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes)*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus))*

11.2. Geographic focus:

- Switzerland
- West Europe
- North America

11.3. Stakeholder's Category

Research

11.4. Contact

Luc Amgwerd, Rue Centrale 115, 2500 Bienne 7

11.5. Projects

12. CSD Engineers

CSD Engineers is a Swiss based engineering consultancy with a network of more than 30 branches in Europe. CSD offers consultancy services and develops cost-efficient solutions to improve quality of life and the environment. These activities encompass the fields of construction, environment and natural resources. Engineering solutions for water related projects are one of CSD's key priorities. Our water professionals provide comprehensive consultancy for a sustainable management of the urban water cycle, its system components and infrastructure.

12.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), Data collection and modelling (GIS, hydrology, etc.), Other)*

Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects), Financing, Other)*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects), Other)*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Water processing, Other)*

Water for nature *(Aquatic Ecosystems, Environmental Impact Assessment, DRR (flood management/ drought), Other)*

Water and climate change *(Adaptation, Mitigation)*

12.2. Geographic focus:

- Switzerland
- East Europe
- West Europe
- South America
- Central America
- West Africa
- North Africa and Middle East
- South Asia
- Southeast Asia

12.3. Stakeholder's Category

12.4. Contact

Stéphane Maret, Chantemerle 37, 1701 Fribourg

12.5. Projects

Drinking water treatment plant Muttenz, Switzerland
Construction of new drinking water treatment plant in Muttenz (Switzerland), treatment phases: advanced oxidation, adsorption (PAC) and ultrafiltration. Beside common treatment goals, the most relevant group of substances to be eliminated are micro-pollutants. Maximum capacity of water production is 16,000 m3/d. City of Muttenz, 2011 – 2014.

Water management Egypt

Assessment mission for water management in Egypt, identification of water projects for funding, SDC 2012

Waste water treatment plants in Kasserine, Tunisia
Feasibility study for construction of two waste water treatment plants in Kasserine governorate, Tunisia, SECO 2011

13. Eawag - Sandec

Swiss Federal Institute of Aquatic Science and Technology

13.1. Thematic expertise

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), Data collection and modelling (GIS, hydrology, etc.), Water policy (processes at international & national levels))*
Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes)*
Water for food *(Other)*
Water for others uses *(Corporate risks and opportunities (including water footprint, waterstewardship))*
Water for nature *(Aquatic Ecosystems, Payments for watershed services, Environmental Impact Assessment)*
Water and climate change *(Modelling)*

13.2. Geographic focus:

- Switzerland
- South America
- West Africa
- South Africa
- Southeast Asia

13.3. Stakeholder's Category

Research

13.4. Contact

christoph.luethi@eawag.ch, Überlandstr. 133, 8600 Dübendorf

13.5. Projects

14. ECOPSIS

Established in 1992, ECOPSIS is an international consulting firm specializing in the technical, socio-economic, financial and institutional challenges of sanitation projects. Specific areas of intervention include all sectors related to human activity: wastewater and solid waste (from both domestic and industrial origins), basic sanitation and hygiene promotion. The aim of ECOPSIS is to be proactive with the challenges posed by sanitation issues. We strive for a world using sustainable sanitation, as this is an efficient tool that contributes to reduce poverty, achieve economic growth and environmental protection.

14.1. Thematic expertise:

Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects), Financing, Other)*
Solid Waste

14.2. Geographic focus:

- Switzerland
- East Europe
- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- Central Asia
- South Asia
- Southeast Asia

14.3. Stakeholder's Category

Private Consulting Company

14.4. Contact

+41 21 799 11 11, Place de l'Hôtel-de-Ville 5, PO Box 152, 1096 Cully, Switzerland

14.5. Projects

Characterization of the value chain of solid waste and proposals for development of inclusive markets through business development activities and production capabilities (El Salvador)
The Urban and Productive integrated Sustainable Settlements in El Salvador, Joint Programme, aims to expand economic opportunities for vulnerable groups with special emphasis on women with the ultimate aim of reducing the number of people living below the poverty line. The program aims to improve urban settlements, improve housing quality and strengthen the value chains of social housing construction through the provision and development of goods and services within reach of the poor. The cleaning train and solid waste represents a major cost to the municipalities which causes a limited and inadequate collection service. The recovery of solid waste represents a survival strategy for a large segment of poor population in developing countries and El Salvador is no exception.

[Preparation of National 10 Years Institutional Sanitation and Hygiene Investment Plan and Strategy]

The Government of Malawi is undertaking the National Water Development Program (NWDP) which aims to build on the achievements made under the previous projects, and will be supported jointly by development partners under the Sector Wide Approach process. NWDP is designed to assist in the implementation of the Government's water and sanitation policies. In this context, Malawi intends to elaborate a 10 year sanitation and hygiene strategy and decline the investments required in order to optimize capital allocation and ensure the delivery of efficient, reliable and sustainable sanitation services that will benefit an increasingly large number of people in the country over time.

[Increase the knowledge and capacity of national, state and local government officials to strengthen the implementation of the Total Sanitation Campaign (TSC).]

The Government of India has requested ADB to assist in development of an Operations Plan to strengthen execution of rural sanitation agenda in India. The Ministry of Drinking Water and Sanitation (MDWS) recently promulgated the Ten Year Rural Sanitation and Hygiene Strategy (2012-2022). Aligning with the Government Planning Commission's next 12th Five Year Plan (2012-2017), the MDWS plans to incrementally shift from the present project-based approach of Total Sanitation Campaign (TSC) to a more comprehensive National Total Sanitation Mission (NTSM). However, the operational modality, supporting structures, and other practical implementation aspects of NTSM need to be further developed and refined. Effective operational tools and models in rural sanitation, especially for lagging states, need to be further sought based on TSC implementation experience, as well as global and regional best practices.

15. Ecos

Ecos is an international consulting firm located in Basel, Switzerland, which since 1987 has supported public institutions, associations, municipalities, governments and foundations in the development and implementation of sustainable development strategies and projects. Among other things, ecos is specialized in financing sustainable infrastructure e.g. in the water sector.

15.1. Thematic expertise:

15.2. Geographic focus:

15.3. Stakeholder's Category

Consulting Company

15.4. Contact

15.5. Projects

16. Ernst Basler + Partner

We are an independent engineering, planning and consulting company with a successful track record dating back to 1981 in Switzerland, Germany and abroad. Some 320 employees engaged in a range of different professional disciplines work in our company's offices in Zollikon, Zurich, Potsdam and Santiago de Chile. We contribute to sustainable development in a number of fields, including the natural and built environment, technology, the economy and society.

16.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues), Data collection and modelling (GIS, hydrology, etc.), Water policy (processes at international & national levels), Other)*
Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Water technologies (water supply and treatment), Sanitation technologies, Operation and maintenance, monitoring (soft aspects), Financing, Other)*
Water for food *(Operation and maintenance of infrastructure (soft aspects), Supply chains & commercialization, Other)*
Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Corporate risks and opportunities (including water footprint, waterstewardship), Other)*
Water for nature *(Aquatic Ecosystems, Payments for watershed services, Environmental Impact Assessment, DRR (flood management/ drought), Other)*
Water and climate change *(Modelling, Adaptation, Mitigation, Other)*

16.2. Geographic focus:

- Switzerland
- East Europe
- West Europe
- South America
- Central Asia
- South Asia
- Southeast Asia

16.3. Stakeholder's Category

Private Consulting Company

16.4. Contact

Andreas Zysset, Zollikerstrasse 65, 8702 Zollikon

16.5. Projects

Bregalnica River Basin Management in Macedonia
The water resources of the Bregalnica river in Macedonia shall be managed in a sustainable way. Citizens, industry, agriculture and tourism shall equally benefit from clean water. Ernst Basler + Partner develops a River Basin Management Plan, facilitates the implementation of small infrastructure projects, and implements the public information campaign.

[Flood Risk Management in China]

In order to reduce the immense flood risks, China will apply Swiss integrated flood management concepts in the future. Ernst Basler + Partner supports Chinese flood control experts on the implementation of these concepts along Yangtze River.

[Khujand Water Company in Tajikistan]

Ernst Basler + Partner is entrusted with the overall project management and construction supervision of Khujand

17. ETHZ-IFU

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich
IfU
Institute of
Environmental Engineering

The Institute of Environmental Engineering is an institute of the Department of Civil, Environmental and Geomatics Engineering at the Swiss Federal Institute of Technology (ETH) in Zurich. The institute's activities related to water focus on basic and applied research in "Hydrology and Water Resources Management", "Groundwater and Hydromechanics", and "Urban Water Management". The institute is also involved in teaching at Bachelor, Master, PhD, and postgraduate levels.

17.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), Data collection and modelling (GIS, hydrology, etc.))*
Water for people *(Urban water supply and sanitation, Water technologies (water supply and treatment))*
Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus))*
Water and climate change *(Modelling, Adaptation)*

17.2. Geographic focus:

- Switzerland
- South America
- East Africa
- Central Asia

17.3. Stakeholder's Category

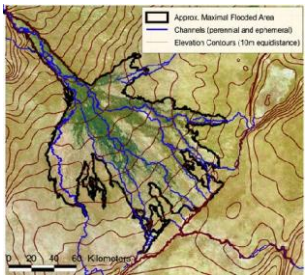
Research

Contact

Darcy Molnar, ETH Zurich, Institute of Environmental Engineering, Wolfgang-Paulistr. 15, 8093 Zürich

17.4. Projects

ACQWA - Assessing Climate impacts on the Quantity and quality of WAter
ACQWA is a large-scale integrating project funded by the 7th Framework Programme of the European Union. It involves 35 international partners and a budget of EURO 6.5 million. Within this project HWRM-ETH is investigating the future of water resources in alpine regions around the world (the Swiss and Italian Alps, the central Andes of Chile and the Tian Shan in Kirgistan). The main objectives of HWRM within this project are: •modelling the response of river runoff dynamics to changes in the local climate system •modelling the response of glaciers to changes in the climate system through state of the art integrated models of glacier ablation and accumulation, glacier dynamics and glacier runoff •looking at the distributed and fine resolution response of catchment hydrology to climate change •investigating downscaling techniques of RCMs •modeling slope stability in mountainous landscapes under the influence of climate change.



Sustainable water and land management of the Okavango Delta, Botswana
A distributed model for coupled surface and groundwater flow in the Okavango–Delta was constructed, based on MODFLOW with new extensions developed in the project. The model reproduces the annual flooding patterns as a function of inflows and climate. It was calibrated against the patterns of the water-covered area as determined from satellite images. With the model, scenarios of the impact of future interventions both in the upstream where dams are to be built as

in the delta itself where dredging and papyrus cutting is considered, were calculated. The distance from project results to practical use is short as the Department of Water Affairs was our partner in this project from the beginning. The results of the project will further flow into the Okacom, an international commission of the riparian states of the Okavango Delta.

Gravity-Driven Membrane (GDM) technology

Inadequate access to microbiologically safe drinking water continuously threatens the health and well-being of more than a billion people, primarily in developing countries. Decentralized water treatment can be used in regions where central water infrastructure is not available at all, or not reliable. Ultrafiltration is an effective technology to treat water and in principle can be applied on a decentralized scale. During dead-end ultrafiltration all macro- and microorganisms, particles and colloids accumulate on the membrane surface and a fouling layer is formed. Conventionally, the membrane is prevented from clogging through backflushing or chemical cleaning. However, backflushing or cleaning results in complex and maintenance-intensive systems, which are difficult to operate on a long term in developing countries. This project develops gravity-driven membrane (GDM) technology for water treatment, a technology which does not require backflushing or cleaning. GDM technology is an attractive solution for household and community drinking water treatment, particularly in developing countries.

18. Chair of Architecture and Urban Design

The Architecture and Urban Design group addresses the challenges faced by informal settlements in the global south: social inequality, uneven distribution of resources, inadequate urban services. They tackle these urban phenomena and provide socially and ecologically sustainable design solutions for marginalized populations. The interrelated themes of water, sanitation and health remain central issues in slums today.

18.1. Thematic expertise:

18.2. Geographic focus:

-

18.3. Stakeholder's Category

Research

18.4. Contact

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18.5. Projects

19. Feder Office for Agriculture

19.1. Thematic expertise:

19.2. Geographic focus:

19.3. Stakeholder's Category

Governemental

19.4. Contact

19.5. Projects

20. Federal Office for Public Health

Division of food security, in charge of the Swiss drinking water regulation

20.1. Thematic expertise:

Integrated Water Resources Management *(National/transboundary watershed management (incl. policy/institutional issues), Water policy (processes at international & national levels))*

Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Operation and maintenance, monitoring (soft aspects))*

20.2. Geographic focus:

- Switzerland
- East Europe
- West Europe
- Central Asia

20.3. Stakeholder's Category

Governemental

20.4. Contact

Pierre Studer, Schwarzenburgstrasse 165, 3003 Bern

20.5. Projects

Protocol on Water and Health
see UNECE homepage Switzerland has taken the chair of the Task Force on Target Setting and Reporting.

Setting of the Swiss regulation concerning drinking water
the legal requirements are set in an ordinance on drinking, source and mineral water.

21. Geberit

The Geberit Group is the European market leader in sanitary technology with a global orientation. Geberit has its own representatives in 41 countries. The range includes the product areas of sanitary systems and piping systems. Geberit brand products are innovative, durable and eco-efficient.

21.1. Thematic expertise:

Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects), Financing)*

21.2. Geographic focus:

- Switzerland
- East Europe
- West Europe
- North America
- South Africa
- Southeast Asia
- Oceania

21.3. Stakeholder's Category

Transnational Company

21.4. Contact

Theres Meyer, Geberit International AG, Schachenstrasse 77, CH-8645 Jona

21.5. Projects

Social Project South Africa 2012
Fontein Primary School in Port Elizabeth: Renovation of the defective WC facilities; installing new toilets, washbasins and urinals; education in hygiene and maintenance; Geberit employees and apprentices from Europe on site

Social Project Serbia 2011
School in Kraljevo: Complete renovation of sanitary facilities;

Geberit team including apprentices on site

22. Georg Fischer

Georg Fischer comprises three core businesses: GF Piping Systems, GF Automotive and GF AgieCharmilles. Founded in 1802, the Corporation is headquartered in Switzerland and has 125 companies, 48 of them production facilities, in 30 countries. Its approximately 13,500 employees generated sales of CHF 3.6 billion in 2012. Georg Fischer is a worldwide preferred partner for the safe transport of liquids and gases, vehicle weight reduction and high-precision manufacturing technologies. You'll find further information at www.georgfischer.com.

22.1. Thematic expertise:

Water for people *(Water technologies (water supply and treatment))*
Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Water processing)*

22.2. Geographic focus:

-Switzerland

-East Europe

-West Europe

-South America

-North America

-North Africa and Middle East

-South Africa

-Central Asia

-South Asia

-Southeast Asia

22.3. Stakeholder's Category

Transnational Company

22.4. Contact

Georg Fischer AG, Amsler-Laffon-Strasse 9, 8201 Schaffhausen, Switzerland

Email: roland.groebli@georgfischer.com

22.5. Projects

Clean Water Foundation

With its Clean Water Foundation, Georg Fischer has been involved since 2002 in projects to improve water supply in developing countries and disaster areas. To date, Georg Fischer has invested more than CHF 7 million in Clean Water projects. A person needs 20 liters of water per day. Thanks to the Clean Water Foundation, Georg Fischer has been able to help 200,000 people worldwide get access to clean drinking water and a better water supply over the long term.

GF Piping Systems - Solutions for your business

We develop leading innovative and technical piping systems for the treatment and distribution of water as well as the safe transport of industrial fluids and gases. More than 60,000 products allow individual solutions for a large range of demanding applications and processes in a wide variety of sectors. For many years customers rely on – and also benefit from – our profound market knowledge, our product and application expertise and our 50+ years experience in plastics.

GF Piping Systems – Water treatment

Drinking water, industrial water or waste water: Depending on the application area, our customers have to face different challenges in water treatment processes ranging from guaranteeing high water qualities, to providing reliable measurements to assuring stringent regulations.

23. Global Institute for Water, Environment and Health (GIWEH)

The Global Institute for Water, Environment and Health (GIWEH) was formed in March 2007 under the initiative of Swiss, European and Middle Eastern scientists who graduated from several Swiss Universities and their professors. Their specialties involve different scientific researches in water, environment and health, and promoting different multidisciplinary points of view. GIWEH was formed in response to a recognized need for a new, broad-based focus in the inter-disciplinary subject of hydrology, environment and health. We aim to stimulate interest in the scientific and applied aspects to the challenges of our common future such as climate change and anthropogenic factors. GIWEH is a Swiss-based, not-for-profit technical, research and training organization, currently located in the center of Geneva, very close to numerous international organizations, and NGOs, as well as many multinational firms. GIWEH focuses on the relationship between water, environment and their respective impacts on the health of humans and all other life forms. The Institute conducts research, implements technical and scientific applications, relative to the management and protection of water resources thus promoting an improved ecosystem, with benefits to health and environment.

23.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues), Data collection and modelling (GIS, hydrology, etc.), Water policy (processes at international & national levels), Other)*
Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Operation and maintenance, monitoring (soft aspects))*
Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Water processing, Corporate risks and opportunities (including water footprint, waterstewardship))*
Water for nature *(Aquatic Ecosystems, Environmental Impact Assessment)*

23.2. Geographic focus:

- Switzerland
- East Europe
- East Africa
- North Africa and Middle East

23.3. Stakeholder's Category

NGO/CSO/Foundation

23.4. Contact

Ms. Elina Mirzoeva, P.O. Box 110, Rue de Vermont, 37-39, 1211 Geneva 20, Switzerland

23.5. Projects

GIWEH Training programs and Youth Leadership
GIWEH runs training programs in the field of water resources and environmental management: a training program for officials from the Great Lakes Region, organized by the Graduate Institute of International and Development Studies; trainings within the framework of the Capacity Building for International Relations (CABIR) project financed by the Swiss Agency for Development and Cooperation (SDC) and implemented by Geneva Graduate Institute of International and Development Studies (Baku, Azerbaijan, 18-20 September 2012; Tbilisi, Georgia, 26-28

February 2013); lectures for Program “Global Health & Development Policy Program” at School for International Training (SIT, Geneva, Switzerland). GIWEH, as a training organization, will conduct two own training programs - “Environment and Water Governance” and “Ecotourism” - , and in 2014, will launch a hands on training program that gives participants practical experience and teaches them new concepts of water and environmental governance, as well as its institutional and legal frameworks. The Youth Leadership program of GIWEH is organized in collaboration with the University of Geneva, the United Nations Environmental Programme (UNEP), Damascus University in Syria, Fez University and the Faculté des science semlalia Marrakech at the University Cadi Ayyad in Morocco, and Birmingham University in the United Kingdom. The program focuses on water and environmental issues with an innovative multidisciplinary approach aimed at advancing excellence in water sciences throughout a diversity of disciplines that significantly impact the environment. The purpose of this program is to contribute to the knowledge of, and promote the understanding of the main issues surrounding water such as climate change, population growth, water scarcity, water contamination, food security, and the health impact of these issues.

Patent Landscape Report on Desalination Technologies and Use of Alternative Energies for Desalination

GIWEH contributed to the preparation of a Patent landscape report “Desalination Technologies and the Use of Alternative Energies for Desalination” for the World Intellectual Property Organization (WIPO) in cooperation with the International Renewable Energy Agency (IRENA). This patent landscape report on desalination-related patents identified 4551 patent families (including utility models) that claim inventions related to desalination of water, and 921 families describing the combination of desalination technologies with the use of renewable energies. Based on this patent collection various patterns of patenting activity and innovation in the area of desalination are detected, with a separate focus on the use of renewable energies for desalination. A comprehensive explanation of the search methodology and history (including all search queries), and of the evaluation of the search results is included and illustrates how patent information can be retrieved and exploited in the area of desalination. The searchable and sortable patent database includes all 921 patent families, relevant bibliographic data and some added information, e.g. which type of renewable energy sis included. Each family is linked to the Espacenet database of the European Patent Office which enables verification of the INPADOC family information and related legal status of family members, where available. The database is complemented by a visualization of various statistical analyses of the collection of 921 patent families.

24. HEKS

HEKS is an aid organisation that works towards a more humane and fairer world. At the centre of its commitment to socially disadvantaged sections of the population lies the dignity of every individual. HEKS provides humanitarian and emergency aid in its projects and fights the causes of hunger, injustice and social deprivation in Switzerland and abroad. The access to resources like water is a major focus of its work.

24.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues))*

Water for people *(Rural/ semi-urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects))*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects))*

Water for others uses *(Water processing)*

Water for nature *(DRR (flood management/ drought))*

Water and climate change *(Adaptation, Mitigation)*

24.2. Geographic focus:

- East Europe
- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- Central Asia
- South Asia
- Southeast Asia

24.3. Stakeholder's Category NGO/CSO/Foundation

Contact
Raymond Rohner, Seminarstrasse 28 CH-8042 Zürich

24.4. Projects

25. HELVETAS Swiss Intercooperation

HELVETAS Swiss Intercooperation is one of the most experienced and largest Swiss development organisations. It has long standing experience in improving access to safe drinking water and basic sanitation in a number of developing countries. Promoting the implementation of the human right to water and sanitation is a fundamental aspect of its work.

25.1. Thematic expertise

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), Water policy (processes at international & national levels))*

Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects))*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects), Supply chains & commercialization)*

Water for nature *(Aquatic Ecosystems, DRR (flood management/ drought))*

Water and climate change *(Adaptation)*

25.2. Geographic focus

- Switzerland
- South America
- Central America
- East Africa
- West Africa
- South Africa
- Central Asia
- South Asia
- Southeast Asia
- Guatemala, Haiti, Mali, Burkina Faso, Benin, Mozambique, Ethiopia, Afghanistan, Pakistan, Laos, Nepal, Bhutan, Sri Lanka, Vietnam

25.3. Stakeholder's Category

NGO/CSO/Foundation

25.4. Contact

Marco Daniel, Weinbergstr 22 a, 8022 Zürich

25.5. Projects

Safe Water School Project – Kenya, Bolivia, Haiti

Develop and test participatory and integrated methodology for water tratement (combination of SODIS and in-situ chlorination with WATA devices) and improved hygiene eduaction in 110 schools. A particular focus placed on schools because they are a key environment for social marketing. With their enormous potential to raise awareness and influence the future generation,they play an important role in bringing about behavioural changes and promoting better health. Strategy based on 4 pillars: education, infrastructure, application and transferring the knowledge from school to community. 38'128 beneficiaries in 30 schools in Kenya 10'369 beneficiaries in 40 schools in Bolivia 7'500 beneficiaries in 40 schools in Haiti

[Water Use Master Plan]

An example of a successful Helvetas water resources management approach is the WUMP. It is a process approach to holistic participatory and inclusive planning for integrated water resources management at local level. It has been developed by Helvetas in Western Nepal since 2001, because the success of water projects was often constrained by disputes due to competition for and inappropriate planning and use of water resources. The WUMP specifies the total water budget in a village and indicates potential uses. It provides a common platform to the local community and especially empowers the disadvantaged to claim their right for equitable sharing within and between communities. The WUMP process emphasises on the inclusion and responsibility of all stakeholders in the planning, negotiation and decision making and therefore enhances good governance locally.

[Water for healthy schools and safe births in Benin]

Having to bring the water you need for childbirth to the maternity with you? That used to be a common practice at the Sirarou maternity ward until three years ago. Now there is a well that supplies the maternity and the nearby school with clean water.

26. HOLINGER AG

Since 1933, HOLINGER AG has been planning and realizing process, environmental and structural engineering projects. Thanks to the commitment of our 200+ employees from a range of different specialised disciplines, we are now ranked as one of the leading Swiss engineering consultants. The HOLINGER Group, with headquarters at HOLINGER AG, Liestal, is established in Switzerland with 15 locations and active in different countries with subsidiary companies.

26.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues), Data collection and modelling (GIS, hydrology, etc.), Other)*

Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Operation and maintenance, monitoring (soft aspects), Financing, Other)*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Water processing)*

Water for nature *(Payments for watershed services, Environmental Impact Assessment, DRR (flood management/ drought), Other)*

Water and climate change *(Adaptation, Mitigation)*

26.2. Geographic focus:

- Switzerland
- East Europe
- West Europe
- North Africa and Middle East
- Central Asia
- Southeast Asia

26.3. Stakeholder's Category

Private Consulting Company

26.4. Contact

Ulrich Steiner, Galmsstrasse 4, 4410 Liestal

26.5. Projects

Lake Water Treatment Horgen
Construction of Lake Water Treatment Plant Hirsacker-Appital (24'000 m3/d), Horgen, Switzerland

Waste Water Treatment Plant Zurich
Renewal of biological treatment and filtration system of Wastewater treatment plant Werdhölzli (620.000 PE), Zurich, Switzerland

Waste Water Treatment Plant Sarajewo

Rehabilitation of Sarajewo wastewater treatment plant (600.000

27. Hydrosolutions Ltd

Hydrosolutions Ltd is a privately owned Swiss consulting firm founded in 2011. The company is a Swiss startup company (ETH-spinoff) that provides intelligence for environmental change to governments and governmental agencies, to international organizations as well as to companies. Our main focus is on water resource conflict assessment and mitigation, on the water-energy-nexus, and water resources management and planning.

27.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues), Data collection and modelling (GIS, hydrology, etc.), Water policy (processes at international & national levels))*

Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Operation and maintenance, monitoring (soft aspects))*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects))*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Corporate risks and opportunities (including water footprint, waterstewardship))*

Water for nature *(Aquatic Ecosystems, Environmental Impact Assessment, DRR (flood management/ drought))*

Water and climate change *(Modelling, Adaptation, Mitigation)*

Geographic focus:

- Switzerland
- East Europe
- Central America
- East Africa
- North Africa and Middle East
- South Africa
- Central Asia
- South Asia

Stakeholder's Category

Private Consulting Company

Contact

Lucas Beck, hydrosolutions Ltd, Technoparkstrasse 1, CH-8005 Zurich, Switzerland

Projects

Low Cost High Tech Solutions for Better Water Management

The project uses mobile technology in collecting, analysing and dispersing information on water resources to provide better water resource management and planning for Pangani River Basin in Tanzania. The main tasks of hydrosolutions in the project include hydro-climatological modelling, optimizing resources management and planning, coupling information input and decision making in water resources management. The work is being carried out in close

collaboration with the Pangani Basin Water Board (PBWB), the Tanzanian Ministry of Water Resources, water user associations and furrow as well as river committees.

Cooperation in International Waters in the Zambezi River Basin

The focus of the analytical effort in the CIW Study was to identify, inventory, and categorize the risks as perceived by the countries as they contemplate engaging in regional cooperation over international waters. The case study offers the opportunity for a systematic analysis of perceived risks. In turn, such an analysis also provides the opportunity for the development of remedial/mitigatory action on the part of external partners.

Backstopping for Establishment of Water Supply Systems in the Great Lake Area

The project targets water and sanitation projects in around 160 health centres and 10 Hospitals in the area. Target population 2.5 million people. Investment approx 8 Mio USD

28. IBG

IBG as General Planning Group is an established consultancy providing technology based intellectual services for both man-made and natural environment to achieve the sound, economic and timely realization of infrastructure projects. We are an independent consulting group committed to attaining the best possible solutions for our clients via a multidisciplinary process, based on solid engineering know-how combined with expertise in finance, science, policy and management.

28.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues), Data collection and modelling (GIS, hydrology, etc.))*

Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects), Financing)*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects))*

Water for nature *(Aquatic Ecosystems, Payments for watershed services, Environmental Impact Assessment, DRR (flood management/ drought))*

28.2. Geographic focus:

- Switzerland
- East Europe
- West Africa
- North Africa and Middle East
- Central Asia

28.3. Stakeholder's Category

Private Consulting Company

28.4. Contact

D. Lavanchy, IBG Ltd, Industriestrasse 2a, CH-8604 Volketswil, Switzerland

28.5. Projects

Institutional Development for Water Utilities in Azerbaijan

This project is focussed on Institutional Development of the water authorities in Ganja and Sheki (> 400'000 inhabitants in total). The conducted assignments reach throughout technical, financial and institutional fields including tendering, training, advising and assistance of the Water Supply Company and the Project Implementation Units in technical and structural questions.

- - Institutional analysis and development of new organizational structure and business plan
- - Assessment and improvement of technical work methods and procedures (operation, maintenance, material procurement, warehouse management, customer services, etc.)
- - Extensive training programme through workshops and seminars for the utility staff members (accounting administration and management, technical methods, etc.)

Water Supply and Sanitation Programme in Nigeria

IBG has been the lead consultant with responsibility of implementing this multidisciplinary programme in the sectors of water supply and sanitation in the northern Nigerian State of Jigawa. The programme is setting the basis for sustainable improvement in the sector, and is composed of a mixture of "software" (training, hygiene education, institutional strengthening) and "hardware" input (rehabilitation, upgrading, and construction). Its main goal is to reduce the burden on the urban poor through tangible improvements in the delivery of water. The programme demonstrates that the provision of water supply and sanitation infrastructure, combined with hygiene promotion and institutional strengthening and reform can bring sustainable improvements in service delivery and public health, which contribute directly to the alleviation of poverty.

Water Transmission System in Saudi Arabia

IBG has realized the final engineering design of this twin pipeline water transmission system from the Persian Gulf to Riyadh City. A total length of 900 km of pipes with typical diameters between 1200 and 1800 mm has been placed within this project for transporting 900'000 m^3/d of water. IBG's very broad involvement includes for instance the hydraulic analysis of the entire system, elaboration of operation philosophies and final engineering design drawings for pump houses, surge vessel plants, electrical buildings, etc.

29. iDE

iDE is an international nonprofit organization unleashing the power of innovation and market forces for poor rural households in the developing world, helping them access the tools and knowledge they need to increase their income. For almost 30 years, iDE has developed its market-based approach by designing affordable and water-efficient irrigation tools, improving market access, increasing agricultural production, and creating sustainable local businesses. iDE's productive water solutions create and increase both food production and incomes, and with innovative drinking water and sanitation technologies, iDE gives rural households the basis for healthier and more dignified livelihoods.

29.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), Data collection and modelling (GIS, hydrology, etc.))*

Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Water technologies (water supply and treatment), Sanitation technologies)*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Supply chains & commercialization)*

29.2. Geographic focus:

- South America
- Central America
- East Africa
- West Africa
- South Africa
- Central Asia
- South Asia
- Southeast Asia

29.3. Stakeholder's Category

NGO/CSO/Foundation

29.4. Contact

Urs Heierli, iDE (c/o msd consult), Mühlemattstrasse 45, 3007 Bern

29.5. Projects

Conservation Agriculture for Rice Production
Working with the Australian Centre for International Agricultural Research (ACIAR), this project aims to develop and accelerate the adoption of conservation agriculture for selected soils, crops, and cropping systems in Bangladesh, especially in rainfed areas and those with supplementary irrigation.

Sanitation Marketing - Going Deep
World Bank funded this project with the main objective of scaling up Sanitation Marketing in two provinces of Cambodia. The project is going deep by engaging government, the supply chain, and NGO actors to encourage large numbers of the population to purchase adequate latrines. The project will also develop an adapted latrine option for use in challenging environments using the Human-Centered Design (HCD) process, and test its market potential.

Productive Water

This multi-country project scales the adoption of appropriate technologies through a proven supply chain dissemination approach. The project focuses on facilitating the adoption of micro-irrigation technologies amongst poor, rural farmers and on improving access to safe water systems. The project will provide 300,000 farmers with improved micro-irrigation technologies and 3 million poor households with safe water through chlorination in Nicaragua, Honduras, Ghana, Burkina Faso and in Kyrgyzstan. This project is funded by the Swiss Agency for Development and Cooperation (SDC).

30. International Rainwater Harvesting Alliance

The International Rainwater Harvesting Alliance (IRHA), a Swiss-based NGO, was created in 2002 following the World Summit for Sustainable Development in Johannesburg, with the mandate to reinforce the rainwater harvesting movement and to become the global promotional platform for the better management and use of this vital water resource.

30.1. Thematic expertise:

30.2. Geographic focus:

30.3. Stakeholder's Category

NGO/CSO/Foundation

30.4. Contact

30.5. Projects

31. Minikus Vogt & Partner

MINIKUS VOGT & PARTNER AG is a privately owned Swiss engineering company with over 50 years of experience. It provides engineering services to water supply and small hydropower plants projects in Africa and Central/South America for the private and the public sector as well as for non-profit organisations.

31.1. Thematic expertise:

Integrated Water Resources Management *(Data collection and modelling (GIS, hydrology, etc.))*
Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Water technologies (water supply and treatment), Operation and maintenance, monitoring (soft aspects), Financing)*
Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus))*

31.2. Geographic focus:

- Switzerland
- South America
- Central America
- East Africa
- West Africa
- South Africa

31.3. Stakeholder's Category

Private Consulting Company

31.4. Contact

Corrado Minikus, Rosenauweg 14, 5430 Wettingen, Rosenauweg 14, 5430 Wettingen

31.5. Projects

Urban water supply system and wastewater system in Ruwa Town, Zimbabwe
Technical assessment for the rehabilitation of the urban water supply system (water and waste water infrastructure): assessment report, schedules, specifications, measurement, bill of quantities

Small hydropower plants in Southafrica
Pre-Investment study for small hydro power plants

GIS for network systems in Switzerland
GIS for water, sewage, electricity, district heating and other mediums network systems.

32. KFH

KFH encompasses the rectors of the seven Swiss universities of applied sciences and arts. The KFH Development and Cooperation Office is based at the Swiss university of applied sciences and arts of Southern Switzerland (SUPSI) and acts as an entry port for all development and cooperation activities, in the domains applied research, teaching and services. WASH (Water Sanitation and Hygiene) activities are scattered in different UAS. For more information contact the DC Office at SUPSI.

32.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), Data collection and modelling (GIS, hydrology, etc.))*

Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes)*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus))*

Water for nature *(Aquatic Ecosystems, Environmental Impact Assessment)*

Water and climate change *(Modelling)*

32.2. Geographic focus:

- Central America
- North Africa and Middle East
- South Africa
- Southeast Asia

32.3. Stakeholder's Category

Research

32.4. Contact

Prof. Dr. Claudio Valsangiacomo,

32.5. Projects

Hydrogeological investigation of the Nubian Sandstone Aquifer System in Northern Chad – a baseline study for a sustainable management

Within the framework of the support from the Swiss Government to the Chadian Republic, through the implementation of a project by UNOSAT-UNITAR focusing on the cartography of water resources using remote sensing techniques, the Institute of Earth Sciences of Scuola Universitaria Professionale della Svizzera Italiana, in collaboration with the University of N'Djaména, the Ministry of Water and Hydraulics of the Chad Republic and the Center of Hydrogeology of the University of Neuchâtel, are involved in an in-depth study of the Nubian Sandstone Aquifer System of Northern Chad. High-precision altimetric water points data, hydraulic gradients definition and physico-chemical and isotopic signatures from approximately available water points spread in the Nubian Aquifer System of Northern Chad will enable the design a simple semi-quantitative conceptual model on the character of the fossil underground water and will give significant insights on the development of the

system in terms of exploitation. In the area of North-Eastern Chad there are several lakes and areas of shallow groundwater with palm trees plantations with high biodiversity. A severe water table decline could generate environmental and agricultural problems as already observed in the Kufra oasis, threatening food security. To develop a controlled and regulated exploitation, a conceptual model of the dynamics of the Nubian Sandstone Aquifer System (NSAS) must be developed. Additionally, without a state of the art situation regarding existing and functionality of water points, it is difficult for the Chadian Water Authority to identify the requirements in terms of water supply for the population living in Northern Chad.

Promotion of small waterbodies in the biodiversity hotspot Cerrado (Brazil)
Objectives: (i) to identify and describe these waterbodies (ponds, small reservoirs) and their associated ecological, social, and economical services in the pasture landscape from the Cerrado, (ii) based on this information, to disseminate to stakeholders (and particularly to schools) the basic knowledge on these ecosystems and on “good” practices enhancing their services.

Saph Pani - Enhancement of natural water systems and treatment methods for safe and sustainable water supply in India
Saph Pani addresses the improvement of natural water treatment systems such as river bank filtration (RBF), managed aquifer recharge (MAR) and wetlands in India building on a combination of local and international expertise. The project aims at enhancing water resources and water supply particularly in water stressed urban and peri-urban areas in different parts of the sub-continent. The project focuses on a set of case study areas in India covering various regional, climatic, and hydrogeological conditions as well as different treatment technologies.

33. Platform for International Water Law

The Platform for International Water Law at the University of Geneva brings together leading international experts. It is a permanent advisory group in the development of international water law, where the law applicable to freshwater resources is analyzed from a variety of perspectives and where future generations of water law experts are trained.

33.1. Thematic expertise

Integrated Water Resources Management *(National/transboundary watershed management (incl. policy/institutional issues), Water policy (processes at international & national levels))*

Water for people *(Legal and regulatory framework, Human right to water and sanitation (include water quality, equity, accountability, etc.))*

Water for nature *(Aquatic Ecosystems)*

Water and climate change *(Other)*

33.2. Geographic focus:

- South America
- West Africa
- North Africa and Middle East
- Central Asia
- Southeast Asia
- Global

33.3. Stakeholder's Category

Research

33.4. Contact

Dr. Mara Tignino , 40, Boulevard du Pont d'Arves 1205 Genève

33.5. Projects

E-learning course on international water law

UNITAR and University of Geneva have joined their respective expertise, with the financial support of the Swiss Agency for Development and Cooperation (SDC), to develop and launch an e-learning course on International Water Law. The aim is to provide professionals involved in negotiating or implementing treaties related to freshwater resources with an advanced knowledge of the principles and norms that govern the use, sharing, management and protection of these resources.

Non-State Actors and the Management of International Freshwater Resources (project supported by the Swiss National Research Fund)

Treaties on international water resources no longer regulate only State-to-State relations. Rather, individuals, communities, and non-governmental organizations — collectively referred to as "non-State actors"— have become subject of these instruments as well. The research pays attention to mechanisms open to individuals at the domestic and international levels, as well as to norms and practice concerning access to remedies for transboundary harm.

34. Prana Sustainable Water

We designed the Ethical Water Exchange platform matching demands of treated wastewater for commodities pre-paid before production with offers of wastewater treatment services. Prana Sustainable Water services before matching offers and demands are to reduce water consumption, the services after the matchings are for branding and reporting the value chain for the increased sanitation thanks to our tool.

34.1. Thematic expertise:

34.2. Geographic focus:

- Switzerland
- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- South Asia

34.3. Stakeholder's Category

Private Start Up and SME

34.4. Contact

Issumo Valerie,

34.5. Projects

35. RWB Groupe SA

35.1. Thematic expertise:

Integrated Water Resources Management *(National/transboundary watershed management (incl. policy/institutional issues), Data collection and modelling (GIS, hydrology, etc.), Water policy (processes at international & national levels))*

Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Operation and maintenance, monitoring (soft aspects))*

Water for food *(Operation and maintenance of infrastructure (soft aspects))*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Water processing)*

Water for nature *(Environmental Impact Assessment)*

35.2. Geographic focus:

- Switzerland
- East Europe

35.3. Stakeholder's Category

Private Start Up and SME

35.4. Contact

Dr. Daniel Urfer, Route de Fontenais 77, 2900 Porrentruy

35.5. Projects

36. SECO

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Departement of Economic Affairs,
Education and Research EAER
State Secretariat for Economic Affairs SECO

State Secretariat for Economic Affairs - Economic Cooperation and Development

36.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), Water policy (processes at international & national levels))*

Water for people *(Urban water supply and sanitation, Water technologies (water supply and treatment), Sanitation technologies, Financing)*

Water for food *(Operation and maintenance of infrastructure (soft aspects))*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Corporate risks and opportunities (including water footprint, waterstewardship))*

Water for nature *(Environmental Impact Assessment)*

Water and climate change *(Adaptation, Mitigation)*

Corporate development of water companies

36.2. Geographic focus:

- East Europe
- South America
- East Africa
- West Africa
- North Africa and Middle East
- Central Asia
- Southeast Asia
- Western Balkans

36.3. Stakeholder's Category

Governmental

36.4. Contact

Info Cooperation SECO, Holzikofenweg 36, 3003 Bern

36.5. Projects

Gevgelija Waste Water Treatment Plant (Macedonia)
Wastewater Treatment Plant for 32'000 p.e.in the Municipality of Gevgelija at the border to Greece. Objectives: improvement of the water quality in the river Vardar, safe irrigation downstream , fostering trans-boundary cooperation, assistance for Macedonian government to fulfil the requirements of the EU water related directives and international regulation.

[Improvement of living conditions in the Kasserine district (Tunisia)]
Thanks to financial support for the construction of two sewage plants in Thala and Feriani (Kasserine district), over 40'000 people in the two towns are now connected to the sewage system. This improvement of basic infrastructure in disadvantaged regions helps to strengthen economic attractiveness and to reduce regional imbalances in Tunisia.

[Karakol Water Supply Project (Kyrgystan)]
The city of Karakol suffers from contaminated drinking water (causing the spread of epidemic disease) and serious leakage problems; the entire water supply system requires urgent rehabilitation. The project essentially involves rebuilding the drinking water treatment plant and the most damaged part of the distribution network, as well as ground-water pumps. The project also calls for strengthening the technical, organizational and financial management of the Water Supply Company and increased involvement by civil society in the process. The goal of the project is to provide the city's 64,000 inhabitants and some neighbouring districts with a safe and uninterrupted supply of drinking water.

37. Sanavako Foundation

Sanakvo is a non-profit, humanitarian, globally acting Swiss foundation to make clean, drinking water available to the neediest people. It uses a new, revolutionary, low-cost and lowest energy system generating water from air. Air is an unlimited and omnipresent source of clean water!

37.1. Thematic expertise:

37.2. Geographic focus:

37.3. Stakeholder's Category

NGO/CSO/Foundation

37.4. Contact

37.5. Projects

39. Skat consulting Ltd

skat Swiss Resource Centre and Consultancies for Development

Skat is an independent Swiss resource centre and consultancy company working in development cooperation and humanitarian aid. Since 1978, Skat has provided technical expertise, management support, training and research facilities in water and environmental sanitation, energy and climate, building and settlements, economic development, governance and knowledge management

39.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues), Data collection and modelling (GIS, hydrology, etc.))*

Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects), Financing)*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus))*

Water for nature *(Payments for watershed services, Environmental Impact Assessment, DRR (flood management/ drought))*

39.2. Geographic focus:

- East Europe
- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- Central Asia
- Southeast Asia
- Moldavia, Ukraine, Kosovo, Bosnia, Rwanda, DRC, Burundi, Niger, Nepal, Nicaragua

39.3. Stakeholder's Category

Private Consulting Company

39.4. Contact

Jürg Christen, Vadianstrasse 42 CH9000 St. Gallen

39.5. Projects

APASAN

ApaSan's Project goal is to contribute to improved quality of life and public health of the rural population in Moldova through increased sustainable access to safe drinking water and environmental sanitation (WES). In phase 1 ApaSan built on the achievements, expertise, partnerships and positioning established by SDC's WatSan Programme and has embarked on a scaling-up of the services delivery models developed by the agency over the period 2001-08. ApaSan phase 2 now aims at triggering the fundamentals allowing the local institutions, under the drive of

the government, to engage into wider scaling-up of decentralized WES services delivery models as part of the solution to achieve the national objectives and plans in the sector.

PEPP

Skat, in partnership with STPH, is implementing for SDC a drinking water supply project in the Great Lakes region with the main objectives of improving the access to sustainable drinking water supply systems and respecting equal access to water of good quality of about 400,000 people in Rwanda, Burundi and the DR of Congo. The project will consist of the construction of new water supply systems, as well as on the rehabilitation of existing ones including the improvement of hygiene practices in the three countries. Additionally, the project will provide support for establishment of sustainable management structures and exchange of knowledge and best practices among water and sanitation specialists.

Backstopping Mandate to SDC's Water Initiatives

Since 1996, Skat implements a Backstopping Mandate in Water & Sanitation (BSM W&S), which provides SDC's Water Initiatives division (WIs) the professional services in the area of Water for People and IWRM needed to further the agency's drive to promote the realization of the MDGs and the sustainable development of the sector beyond 2015.

40. smixin

Smixin provides smart hand washing systems that combines best comfort, optimal hygiene and minimal water use for sustainable hand hygiene.

40.1. Thematic expertise

Water for people *(Water technologies (water supply and treatment), Hygiene promotion and behavior changes)*

40.2. Geographic focus:

- Switzerland
- East Europe
- West Europe
- North America

40.3. Stakeholder's Category

Private Start Up and SME

40.4. Contact

Denis Crottet, Rue Centrale 115, 2503 Bienne

40.5. Projects

41. Strategos

We are a Swiss boutique consulting practice, specialised in strategy, organization, management, development and training. Our goal is to help businesses and organisations identify and work on fundamental business, strategy and organizational questions with the aim to build enabling and sustainable solutions.

41.1. Thematic expertise:

Water for people *(Financing)*

41.2. Geographic focus:

- Switzerland
- Developing and emerging countries

41.3. Stakeholder's Category

Private Consulting Company

41.4. Contact

Violette Ruppanner, 82, rue de Genève, 1004 Lausanne

41.5. Projects

Swiss Bluetec Bridge

The Swiss Bluetec Bridge is designed to put innovative water technologies owned by Swiss start-ups and SMEs at the service of low-income ("bottom of the pyramid") customers in developing and emerging countries. Through a competitive process, the best projects receive a co-financing in the form of an interest-free loan to deploy their project.

42. Stiftung Volkart Vision

42.1. Thematic expertise:

42.2. Geographic focus:

42.3. Stakeholder's Category

Consulting Company

42.4. Contact

42.5. Projects

43. Swiss Agency for Development and Cooperation SDC

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development and Cooperation SDC

The Swiss Agency for Development and Cooperation (SDC) is Switzerland's international cooperation agency within the Federal Department of Foreign Affairs (FDFA). In operating with other federal offices concerned, SDC is responsible for the overall coordination of development activities and cooperation with Eastern Europe, as well as for the humanitarian aid delivered by the Swiss Confederation. The goal of development cooperation is that of reducing poverty. It is meant to foster economic self-reliance and state autonomy, to contribute to the improvement of production conditions, to help in finding solutions to environmental problems, and to provide better access to education and basic healthcare services.

43.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues), Data collection and modelling (GIS, hydrology, etc.), Water policy (processes at international & national levels), Other)*

Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects), Financing, Other)*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects), Supply chains & commercialization, Other)*

Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Water processing, Corporate risks and opportunities (including water footprint, waterstewardship))*

Water for nature *(Payments for watershed services, DRR (flood management/ drought))*

Water and climate change *(Adaptation, Mitigation)*

43.2. Geographic focus:

- Switzerland
- East Europe
- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- Central Asia
- South Asia
- Southeast Asia

43.3. Stakeholder's Category

Governmental

43.4. Contact

Global Programme Water Initiatives, Freiburgstrasse 130 - CH 3003 Bern

43.5. Projects

[Factsheet Global Programme Water Initiatives]

The programmes, projects and contributions of the Global Programme Water Initiatives meet key global challenges related to the management of water resources, including access to drinking water and the use of water for agriculture, industry and households. By focusing on inequity and poverty, they contribute to the reduction of global risks.

[Poster Global Programme W]

44. Swiss Fresh Water

44.1. Thematic expertise

Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Water technologies (water supply and treatment), Operation and maintenance, monitoring (soft aspects))*

44.2. Geographic focus:

- West Africa
- South Asia

44.3. Stakeholder's Category

Private Start Up and SME

44.4. Contact

Renaud de Watteville,

44.5. Projects

Senegal
Since 2011, Swiss Fresh Water has been running a successful pilot project with 12 machines in Senegal. Currently, SFW is scaling up its operations with the support of local partners

45. Swiss Red Cross

Croix-Rouge suisse
Schweizerisches Rotes Kreuz
Croce Rossa Svizzera

The Swiss Red Cross (SRC) is a private organization that also carries out public tasks on a mandate from the Swiss government or the cantonal authorities. As a member of the International Federation of Red Cross and Red Crescent Societies, which has its headquarters in Geneva, it is part of a worldwide network of 188 National Societies. The purpose of the SRC's activities is to protect the lives, health and dignity of human beings.

45.1. Thematic expertise:

Water for people *(Rural/ semi-urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects))*

Water for nature *(DRR (flood management/ drought))*

Water and climate change *(Mitigation)*

45.2. Geographic focus:

- East Europe
- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- Central Asia
- South Asia
- Southeast Asia

45.3. Stakeholder's Category

NGO/CSO/Foundation

45.4. Contact

Lorenz Indermühle, Rainmattstrasse 10, 3001 Bern, Switzerland

45.5. Projects

Community Health Project Bangladesh

Community Health Projects in Bangladesh (since 1990's) Polluted surface water, dangerous hygiene practices and arsenic contamination of ground water are major threats to community health in Bangladesh. In addition, floods, droughts and hurricanes regularly affect the country, challenging the access to safe drinking water even more, especially of the poorest. The SRC currently works in the districts of Rajshahi and Chapaj Nawabganj, where a combination of annual floods, seasonal droughts as well as arsenic contamination calls for adapted water options technology. The programme concentrates on strengthening the role and responsibility of the local government at union level, the lowest tier of government in the country. The union councils are supported in their task of integrating community needs into their budget planning and to ensure the transparent selection and contracting of private sector construction companies for building tube wells and household sanitary latrines. Community based organisations (CBO) – also formed by the programme – take responsibility for the water source management within their territory and are supported during the process of advocacy and negotiation with their government administration in order to improve their access to safe drinking water and sanitary latrines. A maintenance system based on the cooperation between local government and CBOs ensures the sustainability of the water supply systems. Hygiene and health promotion at community level supports these interventions.

[Basic Health Care Project Laos]

The SRC Basic Health Care Project in Laos (since 1993) In Laos diarrhoeal diseases are ranked the third leading cause of death for children under 5 years of age, mainly due to poor access to safe drinking water and sanitation services. The SRC, present in country since the 1980ies, currently implements a WASH programme jointly with the Lao Red Cross and in close collaboration with the Government health departments in the Northern Provinces Luang Prabang and Oudomxay. The best suitable technical solution in these mountain areas is the gravity-fed water supply system (GFS). Interventions at village levels start with community dialogues analysing the problems and finding solutions using participatory tools. For the entire construction the communities provide labour and local material. Specifically formed village water committees are in charge of operation and maintenance of the GFS. In this process, trainings are organised for the village technicians. The water committees rely on water fees from each household for purchasing spare parts and paying the local technicians. SRC promotes hygiene through a vast education programme based on the Red Cross Volunteers (RCVs) network. In each village, two RCVs are trained to disseminate hygiene messages and safe hygiene practises. The readiness to invest in the construction of household latrines arises from the families' growing awareness of the health benefits associated with the use of latrines. Their financial contributions are required to develop ownership, a guarantee that the latrine will be used.

[Health Project Tibet, China]

The SRC Health Project in China, Tibet Autonomous Region (since 1988) Water scarcity and lack of water quality contributes to the daily hardship of the Tibetan people. Until today most rural families collect water from streams which is unsafe for human consumption. During the long winters water sources are often unusable because of frost. Following a request of local communities in Shigatse, water, sanitation and hygiene activities were added to the longstanding primary health care program in 2003. The SRC works with villages to build gravity fed water systems, hand-dug wells as well as bathhouses for boarding schools. The construction of water systems is always combined with health and hygiene promotion as part of the health promotion cycle for communities and schools. The beneficiaries participate actively in the selection of the water supply options and the location of distribution points. SRC assists the setting-up of village health committees, who oversee operation and maintenance. The beneficiary population also hosts the construction teams and provides labour and local material. The main challenges for water supply in Tibet are extreme weather conditions and the lack of technical support to the communities for the maintenance of the water supply. To address this issue, the SRC promotes innovative technical solutions against frost, such as thermal protection of water points with greenhouses or the modification of the locally made hand pumps to reach frost-free groundwater layers.

46. Swiss Gas and Water Industry (SVGW/SSIGE)

The SVGW is the national umbrella organization of water supply companies.
With its codes of practice, advocacy, education and training, its consulting services and the certification of products, companies and personnel the SVGW significantly contributes to the reliable supply of the Swiss population with drinking water.

46.1. Thematic expertise:

46.2. Geographic focus:

46.3. Stakeholder's Category

Umbrella association

46.4. Contact

46.5. Projects

47. Swiss Hydrology Association

The “Swiss Society of Hydrogeology” is an association of scientists, practitioners and civil servants active in the area of hydrogeology. It organizes meetings in order to further train its members and facilitate the sharing of knowledge; it also initiates working groups on current issues related to hydrogeology. The association expresses its point of view within the consultation procedures linked to the directives and legal basis related to groundwater or activities of the hydro geologists.

47.1. Thematic expertise:

47.2. Geographic focus:

47.3. Stakeholder’s Category

Umbrella association

47.4. Contact

47.5. Projects

48. Swiss Water Kiosk

48.1. Thematic expertise:

48.2. Geographic focus:

48.3. Stakeholder's Category

Consulting Company

48.4. Contact

48.5. Projects

49. SWISSAID

Access to clean drinking water improves health – essentially of small children – and allows women to safe time for other activities. During the dry season, many use the well water for small scale vegetable gardening; they improve the diet of the household and can even generate some income. Therefore SWISSAID supports the construction of water wells and boreholes as well as community water supply.

49.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning))*

Water for people *(Rural/ semi-urban water supply and sanitation, Water technologies (water supply and treatment), Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects))*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects))*

49.2. Geographic focus:

- Central America
- East Africa
- West Africa
- Central Asia

49.3. Stakeholder's Category

NGO/CSO/Foundation

49.4. Contact

Frank Haupt, Desk officer Chad & Tanzania, Lorystrasse 6ª 3000 Bern 5

49.5. Projects

Tungurahua water supply – Ecuador
The population in this volcanic region is very poor and access to safe drinking water limited. The project builds two piped water supply systems for 150 households, including irrigation of 20 ha with 150 sprinklers. The farmers will be trained on ecological agriculture and good irrigation practices.

Rural water supply – Chad
According to the national Directorate of Hydraulics, only 30% of the rural areas have access to clean drinking water. The national standard is one well for 400 in habitants, but the average is more than 1'000 people for one water point. The project builds 50 boreholes equipped with VLOM hand pumps and advises the community on safe water supply management and water use. Each community establishes a water committee who supervises the water supply and the maintenance fund.

50. Terre des hommes

Since its creation in 1960, the mission of Terre des hommes (Tdh) has been to come to the aid of children in need. It endeavors at all times to defend the rights of children, in times of war and natural disasters, or in less publicized situations of distress. Today, the Terre des hommes Foundation is a significant force among children's aid organisations in Switzerland and throughout the world. It is the largest non-governmental organisation (NGO) for children's aid in Switzerland. Tdh has development projects and emergency relief programmes in more than 30 countries.

50.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning))*

Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects), Financing, Other)*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies))*

Water for nature *(Environmental Impact Assessment, DRR (flood management/ drought))*

Water and climate change *(Adaptation, Mitigation)*

50.2. Geographic focus:

- East Europe
- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- Central Asia
- South Asia
- Southeast Asia

50.3. Stakeholder's Category

NGO/CSO/Foundation

50.4. Contact

Antoine Delepière, Avenue de Montchoisi 15

50.5. Projects

51. Trunz Water Systems

The Swiss based company Trunz Water Systems develops, manufactures and distributes sustainable and cost effective solutions for water purification and desalination as well as solar power centers. The innovative company offers sustainable solutions for decentralised potable water and electricity supply in remote areas. The units are exceptionally energy efficient, independent, compact and environmentally friendly. Up to now, over 650 Trunz Water Systems are already operating in more than 35 countries all over the world. All of the water treatment systems are low maintenance and easy to install. The capacity depends on the raw water quality and ranges from 7'000 to 50'000 litres a day. The Trunz innovative and environmentally friendly technologies produce clean drinking water from polluted water and salt water with solar and/or wind energy. An ultrafiltration membrane or a reverse osmosis system (for sea or brackish water) removes all viruses and bacteria (and salts) without requiring toxic chemical treatment.

51.1. Thematic expertise:

Water for people *(Rural/ semi-urban water supply and sanitation, Water technologies (water supply and treatment), Operation and maintenance, monitoring (soft aspects))*

51.2. Geographic focus:

- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- Central Asia
- South Asia
- Southeast Asia
- Oceania

51.3. Stakeholder's Category

Private Start Up and SME

51.4. Contact

Andrea Trunz, Trunz Technologie Center, Ahornstrasse 1, 9323 Steinach

51.5. Projects

Malaysia: decentralised drinking water supply for remote communities

Trunz Water Systems in cooperation with the local dealer installed several water treatment systems in remote communities where no infrastructure was available. All units are powered by solar energy and work independently, even under harsh climate conditions. A water and pumping station was built in each village where the inhabitants can fill in bottles etc. with clean drinking water. Poor people living in remote areas are no served with safe, clean water.

Philippines: Water Shop Concept

The local Rotary club donated a Trunz Water System incl. solar energy supply and construction work in order to establish a water shop. The installation is situated in a school ground where the children receive clean drinking water for free whereas the community inhabitants pay a small fee for water. With this sales return, a local technician is paid in order to maintain the unit and procure spare parts.

Kenya: mobile water treatment

During a road trip through Kenya, our dealer promoted clean, safe water for remote communities. For easy relocation and transportation, a trailer mounted Trunz Water System powered by solar provided ideal equipment for such application (also for military, disaster response etc.)

52. University of Geneva - Platform for International Water Law

The Platform for International Water Law at the University of Geneva brings together leading international experts. It is a permanent advisory group in the development of international water law, where the law applicable to freshwater resources is analyzed from a variety of perspectives and where future generations of water law experts are trained.

52.1. Thematic expertise:

Integrated Water Resources Management *(National/transboundary watershed management (incl. policy/institutional issues), Water policy (processes at international & national levels))*
Water for people *(Legal and regulatory framework, Human right to water and sanitation (include water quality, equity, accountability, etc.))*
Water for nature *(Aquatic Ecosystems)*
Water and climate change *(Other)*

52.2. Geographic focus:

- South America
- West Africa
- North Africa and Middle East
- Central Asia
- Southeast Asia
- Global

52.3. Stakeholder's Category

Research

52.4. Contact

Dr. Mara Tignino , 40, Boulevard du Pont d'Arves 1205 Genève

52.5. Projects

E-learning course on international water law

UNITAR and University of Geneva have joined their respective expertise, with the financial support of the Swiss Agency for Development and Cooperation (SDC), to develop and launch an e-learning course on International Water Law. The aim is to provide professionals involved in negotiating or implementing treaties related to freshwater resources with an advanced knowledge of the principles and norms that govern the use, sharing, management and protection of these resources.

Non-State Actors and the Management of International Freshwater Resources (project supported by the Swiss National Research Fund)

Treaties on international water resources no longer regulate only State-to-State relations. Rather, individuals, communities, and non-governmental organizations — collectively referred to as "non-State actors"— have become subject of these instruments as well. The research pays attention to mechanisms open to individuals at the domestic and international levels, as well as to norms and practice concerning access to remedies for transboundary harm.

53. University of Neuchatel – Centre for Hydrology and Geomethric (CHYN)

The “Center for Hydrogeology and geothermic” (CHYN) is one of the main research and training institute on groundwater and geothermic energy with around 50 associates. The research focuses both on fundamental issues as well as on major challenges for the use of groundwater and geothermic energy, two main resources for the future.

53.1. Thematic expertise:

53.2. Geographic focus:

53.3. Stakeholder’s Category

Academia/ Research

53.4. Contact

53.5. Projects

54. VSA

The Swiss Water Association (VSA)
- is the professional society for water in Switzerland
- lobbies for clean and vital bodies of water
- is the generalist for all questions concerning water
- is the specialist for sanitation and bodies of water

The association was established in 1944. It represents the aggregation of the Swiss professionals for water protection.

VSA offers professional training programs, defines the standards for security and quality and informs about water pollution control.

54.1. Thematic expertise:

54.2. Geographic focus:

- Switzerland

Stakeholder's Category

NGO/CSO/Foundation

54.3. Contact

sekretariat, Europastrasse 3, Postfrach, 8152 Glattbrugg

54.4. Projects

55. W & S Consult

55.1. Thematic expertise:

55.2. Geographic focus:

55.3. Stakeholder's Category

Consulting Company

55.4. Contact

55.5. Projects

56. Wasser für die Dritte Welt

W3W promotes sustainable small-scale irrigation projects through the installation of foot-pedal swiss-PEP pumps. The swiss-PEPs are manufactured in workshops with mostly local available, low cost materials. We promote a conservative approach to water use, which guarantee its durability through targeted irrigation methods and agricultural advisory services. We transfer our know-how directly to the user. Local craftsmen are trained to build the swiss-PEPs and maintain them. The farmers participate in the installation and are able to carry out basic repair work on their own. We work together with local partner organizations in order to promote the farmers' autonomy and sense of responsibility, their increased creditworthiness for the purchase of a pump as well as to secure the marketability of harvest surpluses.

56.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning))*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects), Supply chains & commercialization)*

56.2. Geographic focus:

- South America
- Central America
- East Africa
- West Africa
- South Asia

56.3. Stakeholder's Category

NGO/CSO/Foundation

56.4. Contact

Sabine Maier, Schönenbühlweg 30

56.5. Projects

57. Water&pH soluces

Aider les populations à atteindre les objectifs du millénaire concernant l'accès à l'eau et à l'assainissement// Soutenir et aide aux populations dans la gestion de l'eau dans le respect du développement durable// Promouvoir, Soutenir et Développer la gestion de l'eau par des techniques novatrices innovantes// Rechercher des fonds pour les buts susmentionnés// Sensibiliser les populations aux problématiques environnementales liées à l'eau

57.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues))*

Water for people *(Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects))*

Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies))*

Water for others uses *(Water processing, Corporate risks and opportunities (including water footprint, waterstewardship))*

Water for nature *(Aquatic Ecosystems, Environmental Impact Assessment, DRR (flood management/ drought))*

Water and climate change *(Modelling)*

assainissement -impact

57.2. Geographic focus:

- Switzerland
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa

57.3. Stakeholder's Category

NGO/CSO/Foundation

57.4. Contact

Patricia A. HUGONIN, 1213 onex

57.5. Projects

Benin village de ketome
de l'eau pour Ketome:Le projet a pour objectif principal d'offrir de l'eau potable et des latrines à la population de KETOME et de prévenir les épidémies de choléra et les maladies hydrique aux quelles sont soumis la population. W & pH a déjà fourni le système WATA (Antenna) et poursuis son action.

Mali -village Niouma Makana

Projet WASH concernant la commune rurale de Niouma Makana afin que deux forages soient réalisés et du matériel d'assainissement fournis aux deux villages où le taux de maladies hydriques est le plus fort de toute la région chez les enfants de moins de cinq ans

Niger village FONEKO TERA

A Téra, les eaux de mare sont les principales sources d'approvisionnement en eau de boisson des populations. Ces eaux consommées sans traitement et sans aucune précaution d'hygiène sont à la base de plusieurs maladies hydriques dont le Choléra, la bilharziose, le ver de guinée, la diarrhée.

58. Waterlex

WaterLex is an International NGO founded in 2010 to respond to water governance challenges. WaterLex designs, promotes and facilitates the implementation of sustainable legal and policy frameworks. WaterLex is a lab for water-related international public and private norms and standards. It also designs and trains on the use of efficient tools to facilitate legal compliance in daily operations of water governance stakeholders. To perform its activities, WaterLex gathers over 100 international experts in water management, development, law and more specifically human rights law.

58.1. Thematic expertise:

Integrated Water Resources Management *(National/transboundary watershed management (incl. policy/institutional issues), Water policy (processes at international & national levels))*
Water for people *(Legal and regulatory framework, Human right to water and sanitation (include water quality, equity, accountability, etc.))*
Water for others uses *(Corporate risks and opportunities (including water footprint, waterstewardship))*

58.2. Geographic focus:

- East Europe
- South America
- Central America
- East Africa
- West Africa
- North Africa and Middle East
- South Africa
- Southeast Asia

58.3. Stakeholder's Category

NGO/CSO/Foundation

58.4. Contact

Mr Jean-Benoit Charrin - Executive Director, 83 Rue de Montbrillant / 1202 Geneva

58.5. Projects

WaterLex Legal Database
The WaterLex Legal Database (WLD) provides direct access to legal and political sources on the human right to water and sanitation: International Conventions, National Strategies, National Policies, National Law, and Political Declarations (UN resolutions). The WLD has been designed as an evolving tool, based on iterative review and providing up-to-date information. It aims at bridging the information gap by providing all water governance actors with access to international and country-specific legal frameworks which are aligned with and contribute to the realization of the human right to water and sanitation.

Country Assessment - Niger
A UNDP/GWS feasibility study on decentralized cooperation mechanisms at the national level in Niger (in French)

ToolKit for Water Program Managers
the Toolkit aims at assisting development practitioners in effectively contributing to the realization of the human right to water and sanitation in the country of intervention. This material is structured according to the Project Cycle Management (PCM)

59. Wirz Solar Gmbh

59.1. Thematic expertise:

59.2. Geographic focus:

59.3. Stakeholder's Category

Consulting Company

59.4. Contact

59.5. Projects

60. World Vision Switzerland

60.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning))*
Water for people *(Legal and regulatory framework, Rural/ semi-urban water supply and sanitation, Urban water supply and sanitation, Human right to water and sanitation (include water quality, equity, accountability, etc.), Water technologies (water supply and treatment), Sanitation technologies, Hygiene promotion and behavior changes, Operation and maintenance, monitoring (soft aspects))*
Water for food *(Irrigation techniques (e.g. efficiency of irrigation technologies), Operation and maintenance of infrastructure (soft aspects), Supply chains & commercialization)*
Water for nature *(Aquatic Ecosystems)*
Water and climate change *(Adaptation, Mitigation)*

60.2. Geographic focus:

- East Europe
- South America
- Central America
- East Africa
- West Africa
- South Africa
- Central Asia
- South Asia
- Southeast Asia

60.3. Stakeholder's Category

NGO/CSO/Foundation

60.4. Contact

Martin Suhr , Kriessbachstrasse 30

60.5. Projects

Urban Sanitation and Water Supply in Zimbabwe, Southern Africa
The goal of the project is to reduce vulnerability to waterborne diseases in the City of Bulawayo (1,2 Mio Population) through improved sewerage & water supply systems. It also aims to improve customer care and financial sustainability of the Bulawayo City Council in the provision of water and sanitation services.

Basic Rural Sanitation in Peru
Families with children under 5 from 7 communities do have improved sanitation conditions as well as hygenic praticies on household level. This was done through the construction of sanitation facilities with digestor tanks, construction of a waste water treatment plant and the expansion of a gravity fed water system.

Water Resource Management for improved livelihoods in Tanzania
Water Management for Irrigation Agriculture in combination with improved Drinking Water Supply and Sanitation. Training in Water and Catchment Area Management, Irrigation Infrastructure, Irrigation Agriculture, Irrigation Maintenance. Sensibilisation in Sanitation and Hygine issues, better access to improved sanitation. Provision of more points for drinking water collection.

61. WWF Switzerland

61.1. Thematic expertise:

Integrated Water Resources Management *(Watershed & land management (basin/local level, participatory/multi-stakeholder planning), National/transboundary watershed management (incl. policy/institutional issues), Water policy (processes at international & national levels))*
Water for others uses *(Water for energy (hydroelectric techniques, management and financing, water food energy nexus), Corporate risks and opportunities (including water footprint, waterstewardship))*
Water for nature *(Aquatic Ecosystems, Payments for watershed services)*
Water and climate change *(Adaptation, Mitigation)*

61.2. Geographic focus:

- Switzerland
- East Europe
- South America
- North Africa and Middle East
- Southeast Asia

61.3. Stakeholder's Category

NGO/CSO/Foundation

61.4. Contact

a.i. Matthias Diemer, Hohlstr. 110, 8010 Zürich

61.5. Projects