

Curriculum Vitae

Name of Staff : **Roger SCHMID**
Name of Firm : Skat Consulting Ltd., St. Gallen, Switzerland
Position : Water and Environmental Sanitation Specialist
Profession : Rural and Environmental Engineer EPFL
Date of Birth : April 6th, 1969
Years of Experience : 22 years
Years with Firm : 15 years
Nationality : Swiss

KEY COMPETENCIES

Roger Schmid's professional background is in rural and environmental engineering with 22 years of experience in strategy development and program management as well as design, planning, implementation, monitoring and evaluation of global initiatives, programs and projects in the fields of water and environmental sanitation, rural infrastructure, mobility and transport, and soil-water management. He has been engaged in development and disaster relief interventions as project director, program manager, backstopper, consultant and researcher in WASH, rural transport, social housing, small enterprise development and public-private partnerships establishing in Albania, Benin, Burkina Faso, Burundi, Chad, China, DR Congo, India, Kosovo, Madagascar, Mali, Moldova, Niger, Nepal, Rwanda, Uzbekistan and Switzerland.

His strengths are on backstopping and coaching of implementing agencies and staff, project cycle management support, institutional development and capacity building, networking and knowledge management, policy development, situation analysis and evaluation. He excels in multi-stakeholder dialogues including community mobilisation, negotiation with protagonists, facilitation of decision taking processes and managing large interdisciplinary and multi-cultural teams, accumulating more than 10 years of field experience overseas.

AFFILIATIONS

AGUASAN Community of Practice – Core Member and Focal Point
 Swiss Water Partnership (SWP) - Member
 Rural Water Supply Network (RWSN) - Member
 International Forum for Rural Transport Development (IFRTD) - Member

EDUCATION

1989 - 1994 : M.Sc. in Rural Engineering with Specialisation in Environmental issues at the Swiss Federal Institute of Technology in Lausanne (EPFL)

LANGUAGES:

	Speaking	Reading	Writing
German (mother tongue)	excellent	excellent	excellent
English	excellent	excellent	excellent
French	excellent	excellent	excellent
Dutch	good	good	working knowledge
Spanish	working knowledge	working knowledge	basic
Malagasy	basic	basic	basic

EMPLOYMENT RECORD AND PROFESSIONAL EXPERIENCE

Skat, St Gallen, Switzerland

Infrastructure Development and Management Specialist in Water Supply, Environmental Sanitation, Rural Transport and Housing **2001 - today**

Team Leader and Core Member of "SDC Backstopping Mandate for Water" (Switzerland) *since 2001*

Provision of advisory and support services (350 days/year) to SDC's Global Programme Water on demand across the client's innovative sector portfolio of about 40 operational programmes, projects and initiatives at bilateral and multi-bilateral levels targeted at policy influencing, leveraging partnerships, innovation and knowledge management in water and development at global. The topics addressed are primarily water governance (IWRM, water diplomacy and water economics) and equitable access (water and sanitation services and efficient use of water for agriculture). The services provided include support on knowledge management and capitalisation of experiences (e.g. evaluations, guidelines, factsheets, tools and concepts) guidelines, newsletter, facilitation of knowledge exchange and networking (e.g. Shareweb, newsletter, AGUASAN CoP, SDC RésEAU, Swiss Water Partnership) provision of technical and conceptual expertise (e.g. policy and position papers, appraisals, advices) as well as the management of events (e.g. SDC Water Team Days at global and regional level, performances at international sector fora, portfolio peer reviews).

Water and Environmental Sanitation Specialist (Kosovo) *since 2009*

Team leader of the Backstopping Mandate "Support to the Inter-Ministerial Water Council of Kosovo" financed by the State Secretariat for Economic Affairs (SECO) aimed at assisting the Swiss Cooperation Office in Kosovo and SECO head office in steering and monitoring of the project as well as at coaching and providing technical / methodological assistance to the local policy/regulatory/legal/economic advisors of the Council secretariat, whilst deploying short-term experts on sector reform topics. (Skat, SECO).

Water and Environmental Sanitation Specialist (Kosovo) *since 2011*

Team leader of the mandate "Backstopping Services for the Rural Water and Sanitation Support Program in Kosovo" financed by the SDC aimed at providing technical assistance, capacity building and project cycle management support to the implementing agency, assisting the Swiss Cooperation Office with consolidated monitoring data provision and program steering / quality assurance support, and delivering specific expertise to national sector institutions (Skat/Hollinger, SDC).

Project Director (Burundi, DR Congo, Rwanda) *since 2014*

Project director of the SDC financed "Programme Eau Potable pour la Population des Grands Lacs (PEPPP)" in Burundi, DR Congo and Rwanda aimed at scaling-up of replicable models for decentralized rural water supply and sanitation services delivery and management in rural areas and small towns through empowerment and capacity building at all levels, WES services delivery (water supply, basic sanitation & hygiene) and policy dialogue. Overall responsible for strategic development, implementation and financial aspects of the project (annual budget of 3.5 million CHF) and for the management of the project team (10 staff in the region) and the advisory group (3 staff in St. Gallen). (Skat, SDC).

Water and Environmental Sanitation Specialist (Switzerland) *since 2007 - 2015*

Responsible of the AGUASAN Workshop series – since 1984 a SDC supported annual one-week event for sector specialists and wider development practitioners to reflect collectively on a cutting edge theme of the sector and to elaborate strategies and conceptual tools of practical use in development work. Leader of the workshop preparatory and steering committee guiding the thematic and methodological design, conduction, documentation and performance assessment of the workshops. (Skat, Helvetas/Sandec/SDC).

Project Director (Moldova) *2008 - 2014*

Project director of the SDC and ADA financed Swiss Water and Sanitation Project (ApaSan) in the Republic of Moldova aimed at scaling-up of replicable models for decentralized rural water supply and sanitation services delivery and management in rural areas and small towns through empowerment and capacity building at all levels, WES services delivery (water supply, ecosan school toilets, decentralized wastewater treatment) and policy dialogue. Overall responsible for strategic development, implementation and financial aspects of the project (annual budget of 2 million CHF) and for the management of the project team (8 staff in Moldova) and the advisory group (4 staff in St. Gallen). (Skat, SDC/ADA).

Rural Transport Specialist (Chad) *2012*

Team leader of an ex-post intervention assessment targeted a capitalisation of the experiences gather by SDC and its partners over the period 1996-2009 in the programs "Réhabilitation de pistes et lutte contre l'érosion" and "Renforcement des capacités dans le domaine des infrastructures": detailed description of the intervention, an appreciation of the approaches promoted, an assessment of the achievements and a set of recommendations for the further safeguard of the investments and capitalisation work. (Skat, SDC).

- Water and Environmental Sanitation Specialist (Kosovo)* 2007 - 2011
 Backstopping of the Kosovo desk at Caritas Switzerland and support missions to Kosovo regarding WASH projects in the communes of Prizren and Strpce. Responsible for situation analysis, fact-finding for decision-taking, approval of designs of water supply and sanitation systems, facilitation of multi-stakeholder dialogue, design and implementation of services management models, project documentation as well as for support and coaching of local staff (tendering, contracting, supervision, quality control). (*Skat, Caritas Switzerland*).
- Team Leader of the "SDC Support Mandate in Mobility" (Switzerland)* 2001 - 2010
 Provision of support services and assistance to SDC's Mobility desk (West Africa section) in knowledge management, innovation and policy dialogue including sector documentation, provision of information services on request, (inter)national networking and information exchange (TransNet, IFRTD, TKP), managing of a Web portal regarding mobility at SDC (TransWeb), publishing of a twice yearly e-newsletter, follow-up of SDC project developments as well as provision of advisory services to SDC staff and partners. (*Skat, SDC*).
- Water and Environmental Sanitation Specialist (Benin)* 2003 - 2010
 Strategic orientation, backstopping and monitoring of the Helvetas funded "Programme d'Appui aux Communes dans le secteur Eau & Assainissement - PACEA". Responsible for situation and niche analysis, development of strategic scenarios and program documents, advisory services to the project team and launching of the enlarged and coherent interventions in the water and sanitation sector based on municipal development and local initiatives. (*Skat, Helvetas*).
- Mobility and Transport Specialist (Burkina Faso)* 2004 - 2009
 Appraisal, operational planning, strategic follow-up and backstopping of the consecutive phases of the SDC funded PrEst (Programme Pistes Rurales – Désenclavement à l'Est) aiming at capacity building of the various sector stakeholders and private sector actors in rural roads development and management through the transfer of competencies and skills in a learning-by-doing approach of road construction & maintenance (*Skat, Helvetas*).
- Water and Environmental Sanitation Specialist (Switzerland)* 2005 - 2009
 Project manager (concept development and implementation) for the Swiss presence and platform at the 4th and 5th World Water Forum (Mexico 2006, Istanbul 2009) under the mandate and lead of SDC's Water Initiatives Division. Content development, management of resources (incl. diverse sub-contractors) and budget, definition and assignment of responsibilities, monitoring of the implementation and controlling, management in-situ of the platform and reporting to SDC (*Skat, SDC*).
- Rural Infrastructure Specialist (worldwide)* 2008
 Team leader of the Helvetas Support Mandate in the field of rural infrastructure (water supply, environmental sanitation and rural roads). Responsible for public relations (school visits, conference papers, training inputs, etc.), thematic advice (to head office and regional hubs, strategic developments, acquisitions and fundraising activities on demand, as well as for a set of in-situ project consultancies (*Skat, Helvetas*).
- Water and Environmental Sanitation Specialist (Uzbekistan)* 2007
 Team member of an external review mission for the phase 1 (2003-07) of the SDC funded "Rural Water Supply and Sanitation Project (RWSSP)" implemented by the International Secretariat for Water (ISW) in 27 villages of the Ferghana Valley. Responsible for the assessment of the progress, the strategic approach and the potential for scaling up / regionalisation of the project (phase 2) regarding its technical, economic, social, environmental and institutional aspects (*Skat, SDC*).
- Planning Specialist for Rural Roads and other Socio-Economic Infrastructure (Nepal)* 2005 - 2007
 International planning specialist for the "Decentralized Rural Infrastructure and Livelihood Project (DRILP)" co-financed by ADB / SDC and implemented by the consortium Frisa-Itenco. The specific tasks are the review the rural infrastructure planning process and procedures in Nepal (incl. the District Transport Master Planning approach), capacity building for the project implementing agencies, providing guidance in the identification & prioritisation of sub-projects and in the conduct of feasibility studies as well as the establishment of the project procedures manual respect of the definition of the planning and selection procedures for rural transport infrastructure sub-projects and supplementary investments. (*Skat, Frisa-Itenco Joint Venture, SDC*).
- Environmental Sanitation Specialist (Albania)* 2004 - 2006
 Backstopping of the various Caritas Switzerland implemented "Water Supply, Sanitation and Hygiene" projects in the Commune of Dajç (Lezhë district). Responsible for the situation analysis, for the design of water supply and sanitation systems, for project description for fundraising purposes, for backstopping services for tendering and contracting out construction and supervision of the projects as well as for overall quality control in the implementation. (*Skat, Caritas Switzerland*).

Transport and Social Mobilisation Specialist (Benin)

2003 - 2006

Backstopping of the Danida funded and Helvetas implemented "Programme d'Appui au Secteur Routier – Composante Pistes Rurales (PASR-CPR)". Responsible for social mobilisation, design of information campaigns and elaboration of guidelines and manuals regarding community, institutional and financial aspects of the rural roads development and maintenance concept in a labour-based, environmentally friendly and participative approach. Advisory services for the local capacity building strategy and training of the project team. (*Skat, Helvetas*).

Water and Environmental Sanitation Specialist (Niger)

2004

Team leader in an appraisal and planning mission for a new SDC funded program aiming at capacity building of the local private sector actors in the water and sanitation sector through strengthening the supply side and improving the frame conditions at micro (practical training), intermediate (business development services and financial services) and macro level (knowledge management, structuring of the private sector actors, strengthening of the institutional and legal frameworks). (*Skat, SDC*).

Water and Environmental Sanitation Specialist (Niger)

2003

Team leader in the review and evaluation mission of the SDC funded "Projet Hydraulique Niger Suisse" (PHNS) aiming at strategy analysis and reorientation of the interventions within the framework of new SDC country program 2003-2007 for Niger. (*Skat, SDC*).

Water and Environmental Sanitation Specialist (Madagascar)

2003

Backstopping for the SDC funded Rural Development Program (SAHA) implemented by Intercooperation. Team leader in a situation analysis and project-planning mission aimed at starting up a new sanitation component (strategies, technologies, criteria for support, etc.) within the program. (*Skat, Intercooperation*).

Water and Environmental Sanitation Specialist (Niger)

2003

Steering committee member and reporter of the international workshop on "Treadle pump supply chains development", convened by the World Bank / WSP and SDC, aiming at the reorientation of the "Programme de Promotion de l'Irrigation Privée (PIP2)" in Niger. Writing and editing of the workshop report, a resources CD-ROM and a field note published by the WSP. (*Skat, SDC*).

Water and Environmental Sanitation Specialist (Mali)

2001-2003

Backstopping for the Helvetas funded "Programme d'Appui au Secteur Privé de l'Eau" (ASP-Eau) based on the business development services (BDS) approach. Team leader in planning, implementation and follow-up missions aimed at successful project elaboration and implementation. (*Skat, Helvetas*).

Infrastructure Specialist (India)

2001-2002

Backstopping team member for the Swiss Red Cross funded "Earthquake rehabilitation project in Gujarat State" for housing, water supply, sanitation, roads and livelihood development. Team leader of the project-planning mission aimed at starting up the project in 2001. (*Skat/Development Alternatives, SRC*).

UNICEF Madagascar

Assistant Program Officer WES

1998 – 2001

3 years as Junior Professional Officer (JPO) of the Swiss Government and 3 months on a UNICEF Temporary Fixed Term contract in a program water and environmental sanitation with vacant Programme Officer. Responsibilities included:

- "Environmental sanitation" project management and development by programming and co-ordinating the activities of the different actors (government as facilitator, NGOs and private enterprises as executors, local associations and communities as demanders and actors), assisting in implementation, documenting the activities, developing and promoting adequate technologies and approaches, performing follow-up and evaluation as well as financial and supply monitoring;
- "Water and Environmental Sanitation" (WES) program management and development in teamwork with the national assistant program officer (Year 2000: 3 collaborators and about 20 partner organisations);
- Research & development and promotion in the field of family/school latrines, urban sanitation, water supply (material component) as well as hygiene education and social organisation (functional component);
- Contribution to the government led programming process (situation analysis, master/program plan of operations) based on the human rights and the demand responsible approach, leading towards the definition and implementation of the new 2001-2003 country program of co-operation;
- Collaboration in defining and implementing the national WES sector strategy towards emergency situations (cyclone disaster 1999-2000 / cholera epidemics 2000-2001).

**Institute for Soil and Water Management (IATE),
Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland**

Scientific Researcher

1994 – 1998

- Applied research in the field of soil and water management within the framework of an EC-funded project promoting a sustainable agriculture in the North China plain. The activities included field works (data collection, extension work), laboratory tests, desk research and computer simulations, supervising of a Chinese PhD student as well as the programmatic and financial management of the Swiss counterpart.
- Supervision and teaching of Rural Engineering students (bachelors and masters degrees) as well as organisation of the fieldwork as part of the students' 3rd year course in rural engineering (irrigation, drainage, soil, land and water management, etc.)
- Representative of IATE within the Swiss Soil Science Society

Agricultural University of Wageningen (WAU), Netherlands

Fellow Researcher

1993 - 1994

Four months scientific research in the field of organic household waste treatment and recycling with focus on heavy metal contamination mitigation and remediation.

SELECTED REPORTS, PUBLICATIONS, CONFERENCE PAPERS

- Chief-editor of the “SDC Water News”, the quarterly electronic newsletter of SDC in the field of IWRM, St. Gallen / Bern, 2007 - 2015
- Author of “SDC Rural Roads Program Chad: Capitalisation of rural roads rehabilitation, erosion control and sector capacity building experiences 1996-2009”, N'Djamena / St. Gallen, June 2012.
- “Trinkwasser und Siedlungshygiene in Entwicklungsländern”. Lectures at the Berufsfachschule Winterthur, July 14, 2010 and of the Berufsbildungszentrum Schaffhausen, October 7, 2011.
- Co-author of “Water in Switzerland: a Presentation by the AGUASAN Community”, April 2010, St. Gallen.
- Chief-editor of „Focus on Mobility“, the 6-monthly electronic newsletter of SDC in the field of Mobility & Transport, St. Gallen / Bern, 2003 - 2010
- Co-author of “Kosten-Nutzen Analyse Wassersektor DEZA/SECO” for the Aid Effectiveness Report of Swiss Development Cooperation in the Water Sector, March 2008, Bern / St. Gallen.
- Lecture on “Water Resources Management at Local Level: the Nepal Case” for CAS course on “IWRM – Practical Solutions and Actions” of the Bern University of Applied Sciences, Biel, August 26, 2008.
- “Water as a Public Good for Poor People”. Conference paper, Annual Conference of the North-South Centre (ETHZ/Eawag), Zurich, June 4, 2008.
- Co-author of “Mobilité et Pistes Rurales en Afrique de l'Ouest”. Workshop report by Elisabeth Neloumngaye and Roger Schmid, October 2007, N'Djamena / St. Gallen.
- Author of “More benefits for households from water and sanitation through intersectoral synergies”, report on the 22nd Aguasan Workshop, October 2006, Skat, St. Gallen
- “Trinkwasser und Siedlungshygiene – Chancen und Illusionen in der Entwicklungszusammenarbeit”. Conference paper, 15. Umweltforschungstag, 17.06.2003, Institut für Umweltwissenschaften, Uni Zürich.
- Author of “Rapport de l'atelier international sur les chaînes de distribution des pompes à pedals” – 18-24 October 2002” in Niamey (report, resources CD-ROM and field note), WSP/SDC/Skat, St Gallen, 2003.
- Author of “Review of modelling software for piped distribution networks”, N° 3 of the series Working Papers on Water Supply and Environmental Sanitation, Skat, St. Gallen, July 2002.
- Co-author of “Water and soil management for sustainable agriculture in the North China plain” edited by L.S. Pereira (ISA), R.J. Liang (DID), A. Musy (EPFL) and M.J. Hann (SC), DER – ISA, Lisbon, 1998.
- Author of “Kinetics of the extraction of heavy metals from solid organic wastes”. Institute for Environmental Technology, Wageningen Agricultural University, 1994.