

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 : 06.04.1969
Years with Firm : 21 years
Nationality : Swiss

KEY COMPETENCIES

Roger Schmid's professional background is in rural and environmental engineering with 28 years of experience in strategy development, program management and advisory services as well as in the design, planning, implementation, monitoring and evaluation of global initiatives, national programs and local 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, water resources management, rural transport, social housing and small enterprise development in Albania, Benin, Burkina Faso, Burundi, Chad, China, DR Congo, India, Kosovo, Madagascar, Mali, Mexico, Moldova, Niger, Nepal, North Macedonia, Rwanda, Tajikistan, Uzbekistan and Switzerland.

His strengths are on backstopping and coaching of implementing agencies and staff across innovative portfolio of sector topics (e.g. multi-level water governance, water diplomacy, transboundary water management, IWRM, public-public partnerships). He has in-depth experience in project cycle management support, institutional development and capacity building, networking and knowledge management, policy development, situation analysis and evaluation of water sector endeavours. He excels in multi-stakeholder dialogues, facilitation of decision taking processes, nurturing of communities of practice, fostering network development and managing large interdisciplinary and multi-cultural teams. He accumulates more than 13 years of field experience overseas with a recent geographical focus on Eastern Europe and Central Asia as well as on assignments carried out for Swiss International Cooperation actors.

AFFILIATIONS

AGUASAN Community of Practice – Core Member and Focal Point
 RésEAU (SDC Water Network) - Member
 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

EMPLOYMENT RECORD AND PROFESSIONAL EXPERIENCE

Skat, St. Gallen, Switzerland

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

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

Provision of advisory and support services to SDC's Global Programme Water on demand across its innovative sector portfolio of actions at (multi-)bilateral level targeted at policy influencing, leveraging partnerships, innovation and knowledge management at global level. Topics addressed are around issues of global water governance, innovative solutions for the valuing of water, sustainable financing, technologies, sustainable service delivery models, Switzerland's thematic expertise/network, as well as young people and gender equality. The services include support on knowledge management and capitalisation of experiences, facilitation of knowledge exchange and networking (AGUASAN/RésEAU), provision of technical and conceptual expertise (e.g. position papers and appraisals) as well as events management. (Skat/Helvetas/Zoï, SDC).

Water and Environmental Sanitation Specialist (Switzerland) since 2007

Leader of the AGUASAN Workshop Series 2007-2015/2021-2025: ever 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, SDC).

Water and Environmental Sanitation Specialist (Tajikistan) since 2018

Core team member of the *Backstopping Mandate for WASH and Water Resources Management projects* across the Swiss rural and urban water portfolio, The backstopper provides technical assistance, capacity building and project cycle management support to the Swiss Cooperation Office team in Dushanbe, the SDC and SECO headquarters staff as well as the wide range of implementing partners. This includes advice on the Swiss engagement in water diplomacy / transboundary water management in Central Asia. (Skat, SDC).

Program Director (Kosovo) since 2019

Director of SDC's *Integrated Water Resources Management in Kosovo (IWRM-K) Program*, implemented jointly with the Environment Agency Austria (EAA). The program aims at supporting over the next decade the establishment of a comprehensive approach of managing water resources at river basin scale, aligned with the IWRM and EU-WFD principles. It endeavours to build the related institutional capacities and professional skills in the country, in particular for local and transboundary cooperation in water resources management. The program director assumes overall responsible for strategic development, implementation and financial aspects of the program (annual budget of 2.2 million CHF) and for the guidance of the in-country Program Facilitation Unit (10 staff) and the Program advisory group (3 people in St. Gallen/Vienna). (Skat/EAA, SDC).

Team Member of "SDC Backstopping Mandate for DRR Network" (Switzerland) since 2020

Provision of backstopping services for the Disaster Risk Reduction (DRR) Network within the SDC. Contribution to network facilitation, support in overall planning, running, managing and maintaining the network. Methodological support for knowledge management including capitalization, knowledge transfer and peer learning. Thematic inputs regarding anticipatory actions and water-related aspects. (Skat, SDC).

Water and Environmental Sanitation Specialist (Switzerland) 2022

Team leader of a consultancy leading the Geneva Water Hub (GWH) through a participatory visioning exercise for the development of a long-term strategy of the organisation and a multi-donor programmatic proposal for the coming years. The mandate included the design of the overall strategy development process, facilitation of a GWH-team retreat and several subsequent working sessions, documentation of the outputs produced throughout the think process and lead writing of the *GWH Strategy 2023-2034*. (Skat, UniGE).

Water Resources Management Specialist (North Macedonia) 2021/2022

Team leader of a Scoping Study for the Development of a Groundwater Management, Use and Protection Programme in North Macedonia to be financed by the SDC over the next decade. The study provides an assessment of the status regarding groundwater resources and pressures on them, the conduciveness of the legislative framework, the needs of the competent authorities, and the perspectives of the principal groundwater user groups, whilst appreciating the opportunities for innovation regarding digitalization, private sector engagement as well as academic collaboration and education. (Skat, SDC).

Water and Environmental Sanitation Specialist (Kosovo) 2011-2022

Team leader of the *Backstopping Services for the Rural Water and Sanitation Support Program in Kosovo* financed by the SDC. The mandate provides technical assistance, capacity building, PCM support and knowledge management expertise to the implementing agency, assisting the Swiss Cooperation Office with con-

solidated monitoring data provision and program steering / quality assurance support, and delivering specific expertise to national sector institutions such as the sector's economic and water quality regulators. Key topics are universal access, water source protection and water quality management (*Skat/Hollinger, SDC*).

Water and Environmental Sanitation Specialist (Kosovo) 2009-2020

Team leader of the *Backstopping Mandate in Support to the Inter-Ministerial Water Council of Kosovo* to assist the Government of Kosovo to shape the water sector's policy framework and related action plans, whilst coordinating the domestic and external sector actors. The mandate supported the Swiss Cooperation Office in Kosovo and the SECO head office in steering and monitoring of the project as well as coached and provided 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 (Switzerland) 2019

Consultancy leading the Geneva Water Hub (GWH) through a participatory, stepwise stocktaking cum visioning exercise for the development of a multi-donor Program enabling the GWH to effectively prevent water-related conflicts and promote water as an instrument of peace and cooperation over the period of 2020-2025, and further grow as the competence centre for hydro politics towards peace and security. (*Skat, UniGE*).

Program Director (Burundi, DR Congo, Rwanda) 2014-2018

Director of the SDC financed *Programme Eau Potable pour la Population des Grands Lacs (PEPP)* aimed at scaling-up of replicable models for decentralized rural water supply services delivery and management in rural areas and small towns through empowerment and capacity building at all levels, WES services delivery for 250'000 people and policy dialogue. Overall responsible for strategic development, implementation and financial aspects of the program (annual budget of 3.5 million CHF) and for the management of the program facilitation team (10 staff in the region) and the advisory group (3 staff in St. Gallen). (*Skat, 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 gathered 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 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, assignment of responsibilities, monitoring of the implementation and controlling, management in-situ of the platform and reporting to SDC (*Skat, SDC*).

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 of 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*. Responsible for social mobilisation, design of information campaigns and elaboration of guidelines 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 (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. 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 emergencies (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.)

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

- Lead author of "SDC Program Document – Integrated Water Resources Management in Kosovo (IWRM-K) – Phase 1, May 2020 – April 2024", Pristina / St. Gallen, April 2020.
- Co-author of "Report on the Quality of Drinking Water in Kosovo for 2015", Skat Consulting for NIPH/SDC, Pristina, June 2016.
- 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
- 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.
- 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.