

## Curriculum Vitae

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**Position** : Deputy CEO, Water and sanitation specialist  
**Name of Firm** : Skat, St Gallen, Switzerland  
**Name of Staff** : **Florian KLINGEL**  
**Profession** : Rural and Environmental Engineer, EPFL  
**Date of Birth** : 31.05.1974  
**Years with Firm** : From 01.01.2011  
**Nationality** : German

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## KEY COMPETENCIES

Florian Klingel's professional background is rural and environmental engineering. He has more than 18 years of experience in projects of water supply, environmental sanitation and water resources management in developing countries. He has worked abroad for 6 years, mainly in Vietnam, the Philippines, Nicaragua, Honduras, Peru, Senegal, Kosovo, Moldova and Tajikistan.

He has been involved as project director, manager or project officer in development, research and infrastructure projects, and carried out activities for project management, project cycle management, technical design, construction supervision, backstopping, knowledge management, networking, capacity development, policy development, evaluation, coordination of large project consortiums and scientific research.

His thematic specialities are water supply, sanitation and hygiene in general, with particular strengths rural water supply and community-based operation, sanitation (e.g. ecological sanitation) and integrated water resources management.

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## EDUCATION

**1997-2001** **M.Sc. Rural and Environmental Engineering**, Swiss Federal Institute of Technology Lausanne (EPFL)  
**1995-1997** Rural and Environmental Engineering, University of Rostock, Germany

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## LANGUAGES:

	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
German	mother tongue	mother tongue	mother tongue
English	excellent	excellent	excellent
French	excellent	excellent	excellent
Spanish	good	good	good
Vietnamese	basic	basic	basic

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## Country experience

Vietnam (56 months combined); Nicaragua (18 months); Senegal (3 months); Peru (3 months), Frequent missions to Moldova, Kosovo, Tajikistan, Philippines, Thailand, India, Nepal, Bangladesh, South-Africa, Honduras

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## EMPLOYMENT RECORD AND PROFESSIONAL EXPERIENCE

### Skat Consulting Ltd., Switzerland

**Deputy CEO and Water and Sanitation Specialist (Switzerland, missions worldwide)** 2011 - today

*Member of the Senior Management Team of Skat Consulting Ltd.* 2019-today

*Project Director in Project Engaged People – Strong Municipalities, Moldova (EPSM)* 2019-today

The SDC financed EPSM project supports Moldova through supporting citizens in enhancing participation and social accountability and institutions in improving public service provision, particularly in rural areas (volume: 6 million CHF). Responsible for supervision and steering of the project; oversight of budgeting, financial administration, procurement, human resources management and quality assurance; set-up of project facilitation unit during the preparatory phase (Skat, SDC).

*Project Director and Backstopper in the Mandate for Backstopping of Water Projects of the Swiss Cooperation in Tajikistan* 2018-today

The Swiss Cooperation Office in Tajikistan has mandated Skat with backstopping services to support the Cooperation Office with the steering and management of its extensive water portfolio (1 National Water Resources Management Project, 4 Rural Water Supply and Sanitation Projects, 6 Urban Water Supply and Sanitation Projects) and to support the implementation agencies thematically and facilitate exchange and learning among them. Responsible for the steering of the mandate and for backstopping (SDC/SECO, Tajikistan)

*Project director and Backstopper* 2017-today

*Backstopper (Water and sanitation specialist) in the “SDC Backstopping Mandate in Water and Sanitation” (Switzerland)* 2011-2017

Skat's mandate for Backstopping for Water to SDC's Global Programme Water (GPW) includes a wide range of support to GPW for the management of its diverse project portfolio (knowledge management and sectorial advice including sector trends scanning and documentation, development of themes and new concepts, analysis and capitalisation of relevant experiences and best practices, etc.) and the facilitation of SDC's water network RésEAU. Responsible for overall project steering (since 2017) and as backstopper for the full range of support provided. (Skat, SDC).

*Backstopper in the Mandate for Backstopping services for the local implementing partners of the Rural Water and Sanitation Support Programme - RWSSP, Phase VI (Kosovo)* 2018-today

*Backstopper in the Mandate for Backstopping of RWSSP, Phase V (Kosovo)* 2014-2017

*Backstopper in the Mandate for Backstopping of RWSSP, Phase IV (Kosovo)* 2011-2013

The SDC financed RWSSP aims at increasing access to water supply and sanitation in rural areas of in Kosovo through the implementation of water supply and sewerage systems in rural communities and to the improvement of operation and maintenance through institutional strengthening of the seven regional water companies in Kosovo. Skat's Backstopping Mandate provides technical support to the implementing consortium Dorsch/CDI and support to the Swiss Cooperation Office in steering of the programme, reporting and monitoring. Responsible for backstopping and management of the support to the National Institute for Public Health on improving drinking water quality monitoring. (Skat/SDC).

*Backstopper in the Mandate Mandate “Support to the Inter-Ministerial Water Council of Kosovo”* 2014-today

The Mandate “Support to the Inter-Ministerial Water Council of Kosovo” financed by the State Secretariat for Economic Affairs (SECO) aims 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

assistance to the local policy/regulatory/legal/economic advisors of the Council secretariat, whilst deploying short-term experts on sector reform topics. (Skat, SECO).

*Project Director and Thematic Backstopper in the Swiss Water Supply and Sanitation Project, ApaSan, Phase 3 (Moldova)* 2015-2019

*Project Manager and Thematic Backstopper in the Swiss Water Supply and Sanitation Project ApaSan Project Phase 2, (Moldova)* 2011-2015

The SDC and ADA financed Water and Sanitation Project (ApaSan) in the Republic of Moldova supports the Moldovan water sector institutions in better responding to the needs of the population for safe and sustainable water and sanitation services. The projects support national financing institutions to better monitor investments and assist project implementers for better project quality, works on the institutionalisation of technical assistance to small operators and foster the innovation capacity in the sector (volume phase 2: 11 Million CHF; phase 3: 9 million CHF). Responsible for overall administration of the mandate, management of the project team (10 staff in Moldova) and the advisory group (4 staff in St. Gallen) as well as technical inputs on water supply and environmental sanitation, strategic development and implementation (Skat, SDC/ADA).

*Backstopper in the Rural Water Supply and Sanitation Project, Ferghana Valley, RWSP-FV (Tajikistan)* 2014-2017

The SDC financed RWSP-FV aims to improve coverage with water supply and sanitation systems in rural areas of the Tajik part of the Ferghana Valley and to introduce community based management for water and sanitation systems. Skat provides technical support to the local implementing team on sanitation, Integrated Water Resources Management and other issues. Responsible for support on sanitation (Skat and International Secretariat for Water/SDC).

*Main Facilitator of the Mid-term Evaluation of the SDC AGUASAN Programmes in Honduras, Nicaragua and at Regional Level* 2014

The SDC financed AGUASAN programmes in Honduras and Nicaragua support local and national governments for the implementation of water and sanitation infrastructure, hygiene education as well as institutional strengthening for project implementation and administering services. The regional programme supports sector institutions and initiatives at the Central American regional level. The current phase 2013-2015 of the programmes was evaluated at mid-term and options for a future programmes were analysed jointly with the SDC governance programmes in the region (Skat/SDC).

*Project Director in the project for Operational Regional Direction of the Water and Sanitation Programs of SDC in Central America* 2012-today

The project provides the expert for the position of the Operational Regional Director based in Central America and targeted backstopping support for SDCs water and sanitation programmes in Nicaragua, Honduras and on regional level. Responsible for management of the project and backstopping related to technical issues and project cycle management (Skat/SDC).

*Project Director in the Project to Develop Secondary Legislation for the new Water Law in Moldova* 2012-2014

The project implements SDC support to the Ministry of Environment in Moldova to establish secondary legislation for the new Water Law in Moldova. Responsible for project management (Skat/SDC).

*Water and Sanitation Specialist in the project Water, Sanitation and Hygiene Technologies of the EU Seventh Framework Programme (Burkina Faso, Ghana, Uganda)* 2011

With a network of European and African partners developing a Technology Assessment Framework for evaluating new technologies and their performance, identifying sustainability issues, and analysing approaches to introduction, innovation, diffusion and scaling up, as well as establishing capacities of the required capacities for the implementation of the framework in the three African Partner countries (Skat, EU)

**Ruhr-University of Bochum (RUB), Faculty of Environmental and Civil Engineering, Germany**

**Project Coordinator and Scientific Researcher (Vietnam)**

**2006-2010**

*Project Coordinator in the Research Project "Land Use and Climate Change Interactions in Central Vietnam (LUCCI)*

**2010**

Project Coordinator in the LUCCI-Subproject "Water Resources Management" (funding: German Ministry for Education and Research, BMBF); conception and planning of hydrodynamic modelling of river system in Quang Nam Province, analysis of historic land use development, development of climate change adaptation strategies in water resources management for Quang Nam Province; data acquisition; coordination with Vietnamese project partners (RUB, BMBF)

*Project Coordinator and Scientific Researcher in the Research Project IWRM-Vietnam (Vietnam)*

**2006-2010**

Project Coordinator and Scientific Researcher in Vietnam for the "Research Project IWRM-Vietnam, Subproject for Overall Coordination of the Project Network and Development of Tools for Planning and Decision Support for IWRM" (funding: BMBF). Responsibilities included:

- Coordination of project activities in Vietnam with German and Vietnamese partners of the project network (3 German Universities, 7 German Companies, Vietnamese Ministry of Natural Resources and Environment, 3 Provincial Governments, 3 Vietnamese scientific institutions)
- Project management: budget planning; management of subcontractors in Vietnam and Germany; reporting to funding agency
- Research activities: conceptual work for development of planning and decision support tools for IWRM; field work and data acquisition; data organisation with GIS; planning and implementation of an automated surface and groundwater monitoring system
- Organizing capacity development activities for Vietnamese partner organisations and supervision of German and Vietnamese master students
- Policy development for Vietnamese-German research cooperation (support to the leader of the Vietnamese-German workgroup for research in the field of water and environment)

*Project Coordinator and Scientific Researcher in the Research Project Local IWRM in Lam Dong (Vietnam)*

**2006-2010**

Project Coordinator and Scientific Researcher for the "Research Project IWRM-Vietnam, Subproject for local IWRM in Lam Dong Province" (funding: BMBF). Responsibilities included:

- Coordination of all activities of the sub-project and project management (budget planning, management of subcontractors, reporting)
- Research activities at the project site, a small watershed in Lam Dong Province: investigation of water resources, water use, land use, socio-economic situation, institutional situation; development of a GIS data base on local water resources; development of a local IWRM concept and action plan
- Verification of design, construction supervision and monitoring of operation for a rural water supply system (10.000 inhabitants); participative development of protection measures for the water resources of the water supply system

**Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ) GmbH**

**Project Officer (Germany, missions worldwide)**

**2003-2006**

Project Officer within the "Supra-regional Programme on Ecological Sanitation (ecosan)", based in GTZ headquarters in Eschborn, Germany (funding: German Ministry for Economic Cooperation and Development, BMZ). The programme develops and promotes strategies for establishing sustainable, recycling oriented systems in water management, sanitation and agriculture. Responsibilities included:

- Knowledge management: development and administration of diverse knowledge management tools both for GTZ's company-wide knowledge management and for the worldwide ecosan expert networks
- Networking: liaising with numerous organizations and projects in Europe and the developing world with activities in the field of ecological sanitation for joint knowledge management, project development, lobbying and promotion activities
- Pilot project development for ecosan systems in Vietnam, the Philippines, China, India, Cuba, Chile, Peru, Mali, Botswana, Namibia and Egypt and in the main building of GTZ in Eschborn
- Publications: preparation of technical and scientific publications
- Capacity building: development and compilation of curricula and teaching materials for capacity building on ecological sanitation; supervision and coaching of international trainees
- Policy development: contributions to the development of various policy papers and international guidelines relevant to ecological sanitation, e.g. to the Strategy Paper for the Water Sector of BMZ, the Compendium of Actions for Sanitation of the UN General Secretary Advisory Board on Water and Sanitation, the WHO Guideline for the Safe Reuse of Excreta and Greywater in Agriculture, the Think Piece for Ecological Sanitation for the 13th Meeting of the UN Commission of Sustainable Development, the technical working group for innovative sanitation systems of the German Water Association (DWA)
- Preparation of project proposals for submission to European Union, BMZ, BMBF, Asian Development Bank and other financing institutions
- Organization of events such as international scientific conferences, community workshops, technical workshops, board meetings, etc.

## **GKW Consult GmbH**

*Project Engineer for construction supervision (Nicaragua)* 2002-2003

Assistant to the project leader of the "Water Supply and Sanitation Project in the Cities of Matagalpa, Jinotega and Corinto" (funding: German Development Bank KfW, total project volume: 51 Mio US\$). Responsibilities included: construction supervision and follow-up of the commissioning of the water supply system, the sewer system and the waste stabilisation ponds; inspection of components of the water supply system, the sewer system and the waste stabilisation ponds for technical approval; revision of billing and measurements; planning, design and supervision of a cement grouting campaign for stabilization of the foundation of a surface water catchment facility (GKW, KfW)

*Project Engineer (Senegal)* 2002

Project Engineer in the project "Treatment plants for sludge from on-site sanitation facilities for the City of Dakar" (funding: World Bank). Responsible for the feasibility study and final design. (GKW, WB).

## **Swiss Federal Institute for Aquatic Science and Technology, Department Water and Sanitation in Developing Countries (EAWAG-SANDEC)**

*Scientific Researcher (Switzerland, Vietnam)* 2001-2002

Development and drafting of a planning manual for faecal sludge management (EAWAG).

Feasibility Study for Faecal Sludge Management and Treatment in Nam Dinh City as part of the "Nam Dinh Urban Development Project" (EAWAG/SDC)

*Trainer (India, Thailand)* 2001

Training of laboratory staff for methods of helminth egg analysis in environmental samples