

## Curriculum Vitae

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<b>Name</b>	<b>Matthias Saladin</b>
<b>Firm</b>	Skat
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<b>Email</b>	matthias.saladin@skat.ch
<b>Profession</b>	Water and Environmental Sanitation Specialist
<b>Date of Birth</b>	03 May, 1973
<b>Years with Firm</b>	since 1.10.2014
<b>Nationality</b>	Swiss

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### KEY COMPETENCIES

Matthias Saladin's professional background is in environmental science, environmental engineering and management of non-profit organizations, with more than 15 years of experience in consultancy, research and management of projects and programs in the fields of water supply, water quality, environmental sanitation, disaster risk reduction and resilience; strategic planning and institutional development; science communication and knowledge management, and policy development and advocacy.

He has been working as project manager and consultant in research and implementation projects related to water, sanitation and hygiene in emergency and development contexts in Latin America, Africa and Asia. Within the WASH sector, his work focused on household water treatment and safe storage (HWTS) and hygiene, both in the context of development cooperation and disaster risk reduction/resilience. Moreover, he actively was involved in the development and testing of innovative products, approaches and methodologies in the sector, specifically related to the method of Solar Water Disinfection (SODIS) but also generally related to HWTS and hygiene.

Furthermore, Matthias Saladin has been working in management and strategic steering positions of non-profit organizations in the water sector. For six years, he was the co-director of the SODIS Foundation in Bolivia, the organization in charge of introducing and promoting the SODIS method in Latin America. During this time, he oversaw the implementation of more than 50 projects in the field (in Brazil, Bolivia, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Mexico, Nicaragua, and Peru) and was involved in monitoring and evaluation of these projects. Among others, he coordinated the advocacy and policy work of the organization, with a special focus on cooperation with government agencies. Other of his areas of expertise are training and capacity building (in the public, private and third sector), research communication and fundraising.

Matthias Saladin has extensive experience in strategic guidance and institutional development of non-profit organizations. Apart from his role of president of the SODIS Foundation over the past six years, he also is a founding member of an enterprise based in Spain dedicated to the development and promotion of low-cost devices for improving water and hygiene conditions as risk reduction and resilience strategy.

As a project manager for the Swiss Federal Institute of Aquatic Science and Technology (Eawag) he was in charge of several applied research projects for developing and testing innovative technologies and products for improving water quality and to facilitate hand washing, both in emergency and development contexts. His role in these projects included designing and planning of the activities in the field, as well as analysing, publishing and sharing the experiences.

As a Technical Advisor he has been involved in WASH in school projects in several countries, in the development and testing of water kiosk models, in the design and development of products and services and in Training of Trainers on a variety of topics in the WASH sector. Recent work has let him to conduct research on rural water supply issues in Thailand, Nepal and Bolivia.

## EDUCATION

**2006**                    **MBA Third sector and social economy**, Universidad de Barcelona, Barcelona  
**1999 - 2000**           **MSc Environmental Engineering**, Imperial College, London  
**1993 - 1998**           **MSc Environmental Science**, Swiss Federal Institute of Technology ETH Zurich

## LANGUAGES

	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
German	Mother tongue	Mother tongue	Mother tongue
English	Fluent	Fluent	Fluent
Spanish	Fluent	Fluent	Fluent
French	Good	Fluent	Good
Portuguese	Basic	Good	Basic

## COUNTRY EXPERIENCES

Africa                    Ghana  
Asia/MENA              Thailand, Nepal (9 months)  
Americas + Caribbean   Brazil, Bolivia (6 years), Ecuador, El Salvador, Guatemala, Haiti, Honduras, Mexico, Nicaragua, Peru  
Europe                    Spain (6 years)

## IT-SKILLS

MS-Office, web design, web content management. WordPress

## SHORT COURSES (SELECTION)

April 2015 (2 days)      Systematic Behaviour Change in Development Projects, Eawag/Sandec  
October 2013 (1 week)   INSEAD Social Entrepreneur Programme, Fontainebleau  
April 2013 (4 days)      Planning and Design of Sanitation Systems and Technologies, Eawag/Sandec  
June 2004                    AGUASAN workshop  
September 2001            Water and Sanitation Interventions: From Emergencies to Development, University Neuchatel

## EMPLOYMENT RECORD AND PROFESSIONAL EXPERIENCE

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### **Skat, St. Gallen, Switzerland**

**2014 – date**

#### *Water and Sanitation Specialist*

*2014 – date*

Provides consultancy services, technical and management advice in water supply, water quality and safety, hygiene improvement, HWTS, behaviour change, market development, project management, institutional development and capacity building.

Technical assistance, planning and backstopping of projects and programs, monitoring and evaluations, institutional analysis and development, strategic planning, project management, trainings, research and research communication, capacity building and network management.

### **Support to Solaqua Foundation, Switzerland**

2014 – date

Project coordinator for providing strategic, technical, and methodological advice to a private foundation, focusing on interventions in the WASH sector, including WASH in schools, “Blue schools”, hygiene promotion, and water kiosks, among others, in the Himalaya region.

### **Rural Water Supply Network (RWSN)**

2015 - date

Leader of the RWSN Theme of “Accelerating Self-supply”. Manager of two series of webinars on rural water supply (2015-2016), hosted by RWSN. Coordination of webinars series and facilitation of several sessions. Design and implementation of a study on Rainwater Harvesting in Thailand.

### **Support to Swiss Water Partnership secretariat, Switzerland**

2014 – date

Support to the secretariat of the Swiss Water Partnership. Focus on event management (e.g., event on “Serving customers at the Base-of-the-Pyramid: From pilot to scale-up”, 02.07.2015, in cooperation with Swiss Bluetech Bridge and Eawag/Sandec) and presence at the World Water Forum 2015 in South Korea.

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### **Independent Consultant, Spain**

**2014**

#### *Water and Sanitation Specialist*

*2014*

Provided technical expertise to two applied research projects in Bolivia and Thailand, focusing on the development and testing of novel products and business models to reach BoP customers and marginalized groups.

Direct involvement in the fundraising process, the design of the interventions and the technical-methodological aspects of the projects. Active role in documenting learnings and innovations as well as sharing the experiences in user-friendly formats.

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### **Bagua mundi, Sociedad Cooperativa Andalus, Puerto Real, Spain**

**2013**

#### *Co-Founder and CEO*

*2013*

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**Co-Founder:** One of five founding members of the cooperative, institutional setting-up and development, strategic guidance, governance.

**CEO:** Operational planning and implementation, public relations, fundraising, client sourcing, providers sourcing and evaluations, product development and field testing.

**Swiss Federal Institute for Aquatic Science and Technology (Eawag),  
Department of Water and Sanitation in Developing Countries (Sandec),  
Bolivia/Spain/Switzerland**

2002-2013

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*Project manager*

2009-2013

Project manager for several applied research projects, focusing on developing and testing products and business mechanisms to provide safe drinking water to low-income families and excluded groups.

**Project management:** Planning, design, implementation of projects. Data analysis, publishing, and reporting.

**Product development:** Materials testing and analysis, sourcing of providers, design of prototypes and design of the feedback mechanisms.

**Water quality:** Identification of testing tools and indicators, use of water quality tests as awareness raising tool, design of sampling procedures and logistics planning.

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*Co-Director of the SODIS Foundation*

2003-2008

Employed by Eawag/Sandec, seconded to the headquarters of the SODIS Foundation ([www.fundacionsodis.org](http://www.fundacionsodis.org)) in Bolivia as Co-Director.

**Strategic level:** Development of the institutional strategy, relation to the steering board of the foundation, reporting to donors and stakeholders, measuring and evaluation of impact, representation of the organization in international events.

**Advocacy work and policy dialogue:** Research communication, development of policy recommendation, policy dialogue with government agencies and other key actors, design of public campaigns, management of public relations.

**Communication and knowledge management:** Writing and editing learning documents, guidelines, IEC materials. Communication of scientific evidence internally and to partner organizations. Website management. Documentation of experiences to local stakeholders as well as to donors and the public.

**Project implementation, monitoring and evaluation:** Identification of potential implementing partners, planning and implementation of own projects, training of trainers, monitoring and evaluation of more than 50 implementation projects with a focus on household water treatment and hygiene promotion, documenting and sharing experiences, knowledge management. Focus topics of interventions included Household water treatment and safe storage (HWTS), WASH in schools, hygiene promotion, demand creation, policy dialogue and sustainability of services.

**Fundraising:** Development of fundraising strategy, preparation of project proposals, reporting to donors, development and implementation of a crowdfunding strategy.

**Event management:** Development of concepts for international seminars and workshops, planning and implementation of networking events and sharing of experiences, logistics and organization of international events, facilitation of events.

**Highlights:** Water for Life Award (UN-Water, 2012), Water Award of Latin America and the Caribbean (2006), both awarded to the SODIS Foundation.

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*Project Assistant*

2002

**Project Assistant:** Planning and implementation of an applied research project in Nepal, coordination with local actors, data analysis and reporting, supervision of field work, diffusion of results, and organization of an event to share the results.

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**Skat, St.Gallen, Switzerland**

2001-2002

*Junior Consultant*

Documentation of case studies about historic examples of rural water supplies in Switzerland: Identification of case studies, data collection, qualitative research, identification of key issues, writing up of 4 case studies, publication.

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**Stiftung Revita, Langenbruck, Switzerland**

2001

*Project Assistant*

Planning, implementation and coordination of field works to rebuild a small hydropower plant in rural Switzerland (Cormoret), evaluation of additional potential projects.

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## **TRAINING AND FACILITATION**

**Vocational training** of NGO staff, health promoters (volunteers) and professional health staff on WASH issues in seven countries of Latin America. Development of training materials and implementation of workshops, both as facilitator and trainer.

**Training of Trainers:** Co-Facilitation of a regional ToT workshop on the Compendium of Sanitation Systems and Technologies, developed by Eawag/Sandec in July 2013 (4,5 days)

Co-leader of a **practical exercise** (part of the international ETH Winter School 2015, hosted by the Federal Institute of Technology ETH Zurich, Switzerland) on evaluating, selecting and implementing WASH solutions for schools, using the example of rural schools in Bolivia (8 half-days).

Organization and co-facilitation of two international seminars on household water treatment and its scaling up (Cochabamba 2003 and Quito 2006).

## REPORTS, PUBLICATIONS, CONFERENCE PAPERS

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- Lawrie, K., Mills, A., Figueredo-Fernandez, M., Gutierrez-Alfaro, S., Manzano, M., Saladin, M. (2014): *UV dosimetry for solar water disinfection (SODIS) carried out in different plastic bottles and bags*. Sensors and actuators: B.Chemical, Volume 208, 1 March 2015, Pages 608–615  
<http://dx.doi.org/10.1016/j.snb.2014.11.031>
- Encalada, M., Soto, B., Saladin, M. (2008): *Escuelas saludables – guía de implementación para mejorar condiciones de agua y saneamiento en escuelas en Bolivia*. Fundación SODIS, Cochabamba, Bolivia.
- Meierhofer, R., Wegelin, M., Saladin, M., Encalada, M. et al (2006): *Desinfección Solar del Agua: Guía de aplicación*, second edition.  
<http://www.fundacionsodis.org/web/attachments/GuiaSODISEsp.pdf>
- Saladin, M., Bohara, R. (2016): *The difficulties of replicating success stories: The case of Domestic Rainwater Harvesting*. Rural Water Supply Forum 7, Abidjan, Ivory Coast. URL:  
[https://rwsnforum7.files.wordpress.com/2016/11/full\\_paper\\_0137\\_submitter\\_0046\\_saladin\\_matthias.pdf](https://rwsnforum7.files.wordpress.com/2016/11/full_paper_0137_submitter_0046_saladin_matthias.pdf)
- Saladin, M. (2016): *Rainwater Harvesting in Thailand: Learning from the World Champions*. Rural Water Supply Network (RWSN) Field Note, 2016-1.  
<http://www.rural-water-supply.net/en/resources/details/759>
- Saladin, M., Lüthi, C., Tilley, E. (2011). *Compendium of sanitation systems and technologies: Concepts and first experiences of its diffusion*. Congress of Water and Sanitation in Small Communities SmallWat, Sevilla, Spain.
- Saladin, M (2009): *Case study: Scaling up household water treatment in Latin America*, Presentation at the Household Water Treatment & Safe Storage Network, WHO – Technical Meeting, The Royal College of Surgeons, Dublin, Ireland, 21.-23.09.2009
- Saladin M., Butler D. and Parkinson, J. (2002): *Applications of Geographic Information Systems for Municipal Planning and Management in India*, Journal of Environment and Development 2002 11: 430, DOI: 10.1177/1070496502238665
- Saladin, M. (2002): *Community Water Supply in Switzerland – what can we learn from a century of successful operation?* Series of case studies, published by the Skat Foundation  
[http://www.ircwash.org/sites/default/files/community\\_water\\_supply\\_in\\_switzerland\\_0.pdf](http://www.ircwash.org/sites/default/files/community_water_supply_in_switzerland_0.pdf)
- Saladin, M. (2001): *Wittenbach, a corporation running the business*. In: *From System to Service – Scaling up Community Management*. Report of the conference, 12-13 December 2001, The Hague, The Netherlands, p. 46-49.  
<http://www.ircwash.org/sites/default/files/IRC-2002-From.pdf>
- Olschewski, A., Saladin, M. (2016): *Supported Self-supply – what it is and how it supports achieving SDGs*. Rural Water Supply Forum 7, Abidjan, Ivory Coast. URL:  
[https://rwsnforum7.files.wordpress.com/2016/11/full\\_paper\\_0044\\_submitter\\_0121\\_olschewski\\_andr\\_e.pdf](https://rwsnforum7.files.wordpress.com/2016/11/full_paper_0044_submitter_0121_olschewski_andr_e.pdf)
- Wüthrich, B., Sra, L., Verma, K., Saladin, M., Boulloud, F. (2016): *Use of Technology Applicability Framework as a tool to assess the scaling up potential of a water-treatment product*. Rural Water Supply Forum 7, Abidjan, Ivory Coast. URL: <https://rwsnforum7.files.wordpress.com/2016/11/use-of-technology-applicability-framework-as-a-tool-to-assess-the-scaling-up-potential-of-a-water-treatment-product.pdf>

Matthias Saladin is co-author of educational materials to promote WASH at schools, including an animated short movie and two comic books for schools in Bolivia.

## **AWARDS AND SCHOLARSHIPS**

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Exchange scholarship ETH Zurich – Imperial College: Full scholarship for MSc course, 1999.

“Water for Life Award”, awarded by UN-Water to the SODIS Foundation, 2012.

“Innovation for improving lives – field of investigation: Water “, organized by 3M Foundation. First prize, 2012.

“Social Enterprises for Human Development and Fight Against Poverty“, organized by ONGAWA and INSEAD Social Entrepreneurship Conference. First prize, 2013.