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Sandec
Sanitation, Water and
Solid Waste for Development

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This presentation is used with Lesson Plan
Workshop Opening in the Introduction to Faecal
Sludge Management Trainer Manual

Available at www.cawst.org/resources and www.sandec.ch

Introduction to CAWST and Eawag-Sandec

2016 | May



eawag
aquatic research ooo

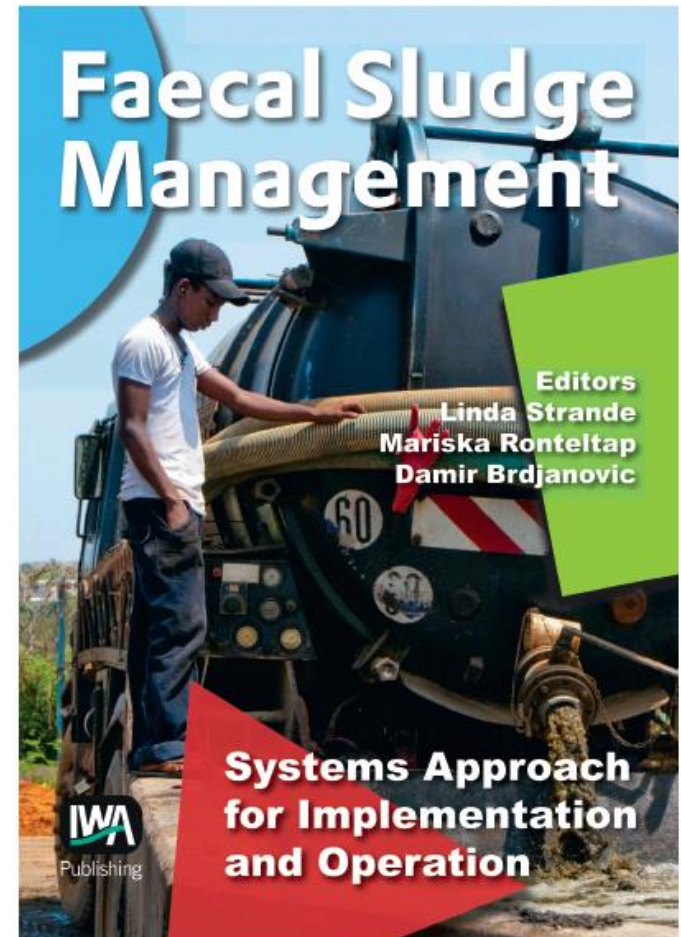
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Learning Outcomes

- Meet the trainers, host organization and workshop participants.
- Determine participants' existing level of knowledge and skills on workshop topics.
- Establish how the group is expected to work together during the workshop.
- Describe the roles of Eawag-Sandec, CAWST, and/or the host organization.

CAWST and Eawag-Sandec Collaboration

- Both organizations wanted to develop Faecal Sludge Management workshops to fill a gap for sanitation practitioners
- Synergistic collaboration that brought together complementary skills and experience in pedagogy and faecal sludge management to have an even greater learning impact for participants
- Faecal Sludge Management: Systems Approach for Implementation and Operation
www.sandec.ch/fsm_book
- Available as a free pdf download via Eawag-Sandec website
- Available as a hardcover textbook, for purchase through IWA Publishing



CAWST at a Glance

Our Theory of Change is that education can catalyze independent action at the scale needed.

Our Vision is a world where people have the opportunity to succeed because their basic water and sanitation needs have been met.

Our Mission is to provide technical training and consulting, and to act as a centre of expertise in water and sanitation for the poor in developing countries.

Our Organization

- Founded 2001 as a non-profit
- Based in Calgary, Canada
- Registered as a charity
- Licensed as a Professional Engineering consultancy
- 50 professional engineers, educators, researchers

Our Results

- 5,000+ organizations in 190 countries accessing our services
- 1091 implementing clients have reached 13.1 million people with safe drinking water or sanitation since 2001



CAWST's Niche: Capacity Development



Credit: CAWST

CAWST Services for WASH Practitioners

CAWST is unique in our complement of services, how we deliver them, and to whom.

1. Training Workshops
2. Consulting Support
3. Education & Training Resources
4. Action Research
5. Learning Exchange

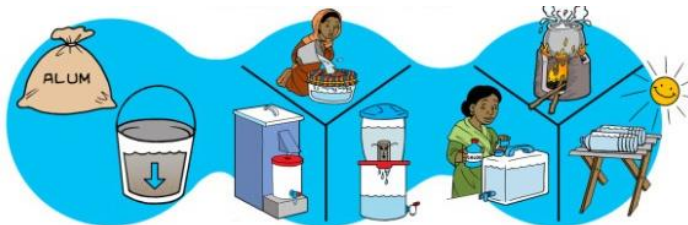


Credit: CAWST



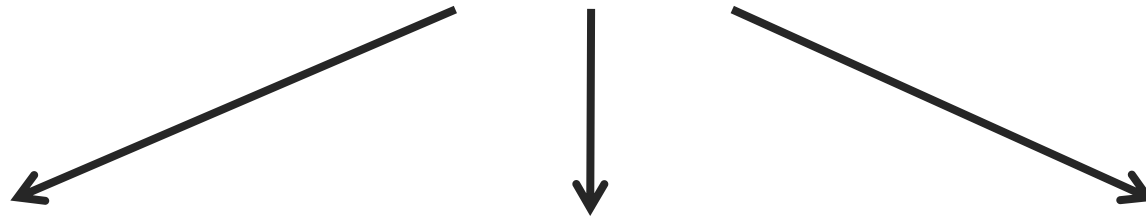
Credit: CAWST

CAWST focuses on WASH and health for domestic, non-networked systems.



Credit: CAWST

3 key avenues for clients to access our services



CAWST

In-person service delivery by CAWST's staff to clients around the world

WET Centres

In-person service delivery by locally-staffed, in-country organizations (CAWST partners)

Virtual WET Centre

CAWST online education and training resources

Highly Qualified Team

Staff

- 39 staff from 10 countries
- All university grads – 3 PhDs, 17 Masters
- 13 engineering, 12 water, 8 development, 3 education
- Experience in 100 countries
- 18 languages spoken

Board of Directors

- 11 members
- Current & former Board Chairs, CEOs, VPs, Directors, Senior Advisors
- Oil & gas, mining, banking, government, consulting, academic

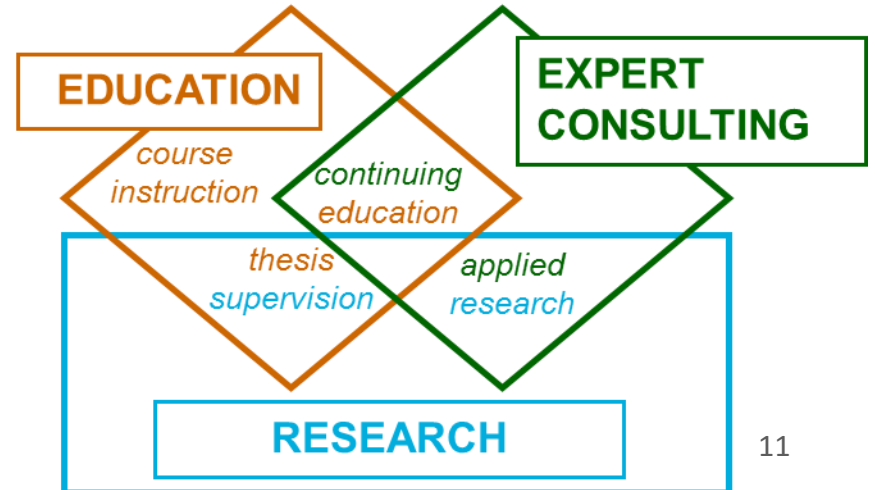
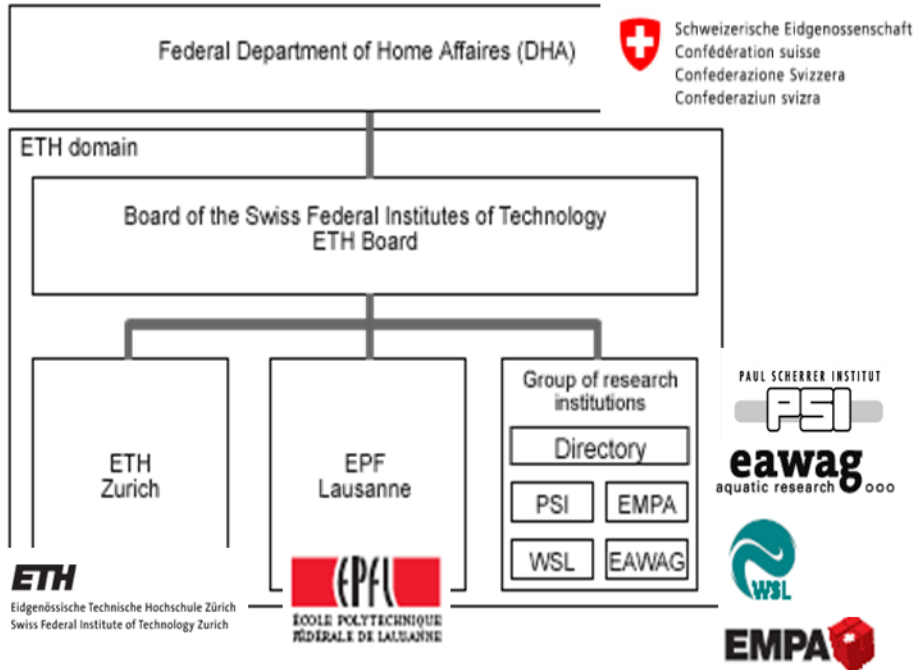


Eawag is a Research Institute

Swiss Federal Institute of Aquatic Science and Technology

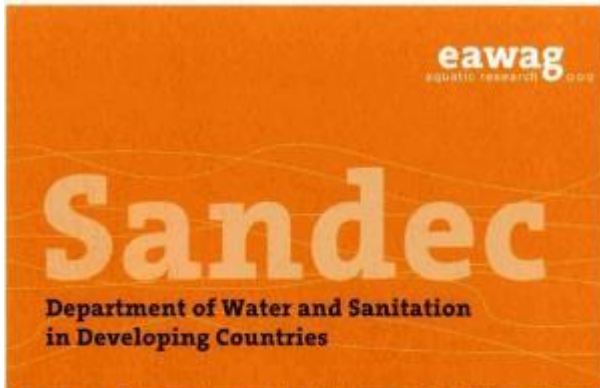
Part of the ETH Domain – Swiss Federal Institute of Technology

Mandate includes Research, Education, and Expert Consulting

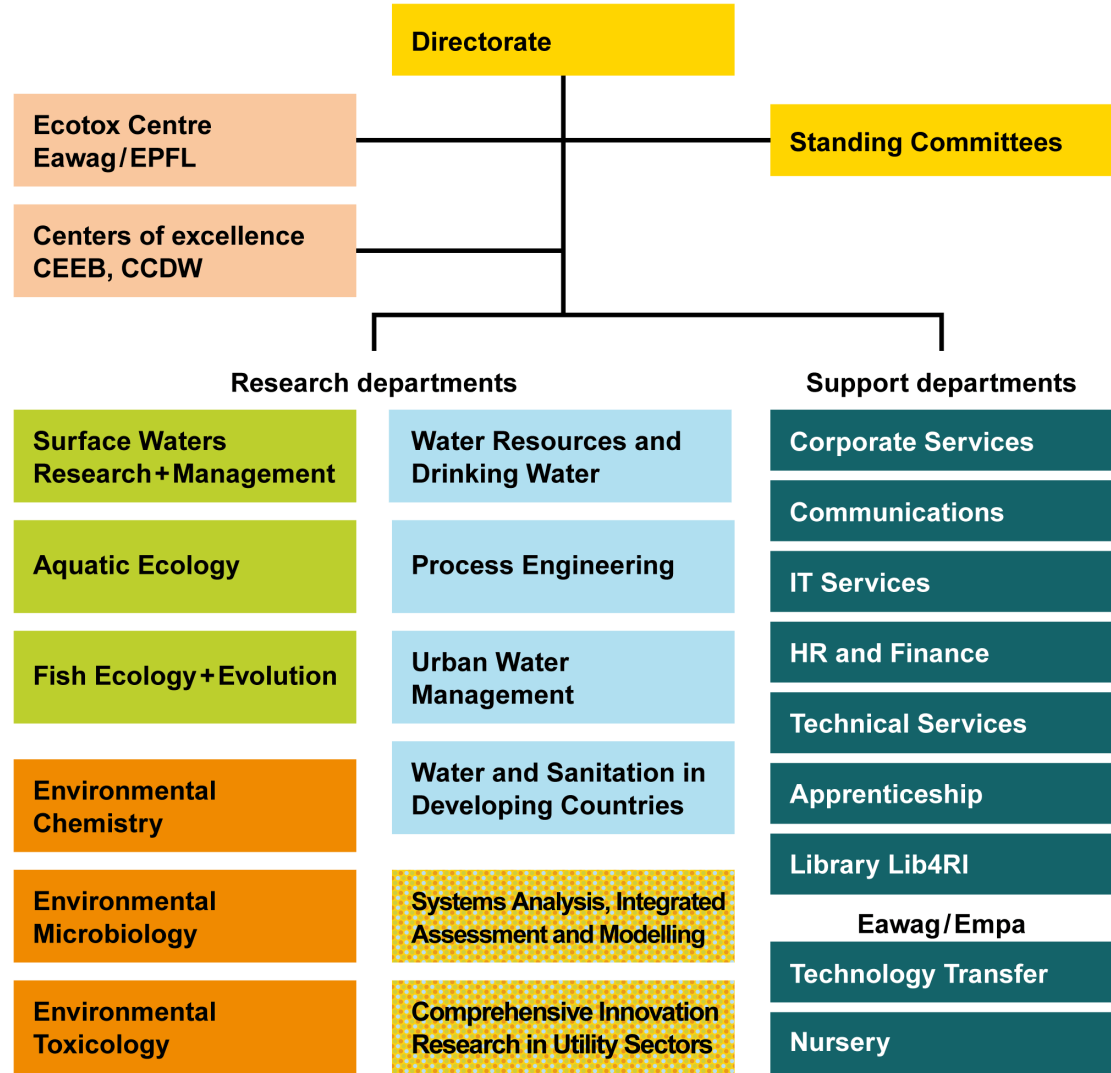


Sandec is a Department within Eawag

Sandec - Sanitation, Water and Solid Waste for Development



Eawag, Swiss Federal Institute of Aquatic Science and Technology



Five Research Groups in Sandec

Sandec - Sanitation, Water and Solid Waste for Development



Strategic Environmental Sanitation Planning



Excreta and Wastewater Management



Municipal Solid Waste Management



Water Supply and Treatment



Safe Water Promotion

Sandec – Mode of Work

Sandec - Sanitation, Water and Solid Waste for Development

- Collaborative research with partners in developing countries, as well as academic and research institutions in the “North”
- Thematically focused – Geographically widespread
- Develop the research capacity of our partners and improve curricula and training materials for capacity development of students and practitioners
- Close interaction and collaboration with implementing agencies (local, bilateral and multilateral)
- Active in networks, commissions and task forces to disseminate research results, as well as influence and advocate for policy developments and research coordination

Sandec – Research Partners and Projects Map

Collaborate EDIT

Sandec Research Projects and Partners
 Sandec is the Department of Water and Sanitation in Developing Countries at the Swiss Federal Institute of Aquatic Sciences and Technology (Eawag). Developing countries have pressing needs for clean water and sustainable sanitation systems. Sandec develops innovative solutions for water and sanitation problems in developing countries with its research expertise and local research partners. This map shows the locations of Sandec research projects around the world and the names of the partners involved in each project.

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- Sandec Headquarters**
 Sandec Headquarters
- FaME - Faecal Management Enterprises**
 FaME - Faecal Management Enterprises - Kampala, Ghana Project Partner: Water Partnership Limited, Nyaninor K., University of Malawi, Ghazal Dap University, National Sanitation Utility of Senegal...
- Reinvent the Toilet Challenge/ Diversion for safe sanitation**
 Reinvent the Toilet Challenge/Diversion for safe sanitation Project Partner: Makerere University Kampala Project Period (approx.): N 2012 - March 2014 Sandec group: Strategic Environmental S...
- Promotion of SODIS/HWTS in Latin America**
 Promotion/Marketing of HWTS and safe water products in Latin America Project Partner: Fundación SODIS Project Period (approx.): 2001-2015 Sandec group: SODIS Web site: <http://www.sodis.ch>
- Dry digestion of municipal organic waste in a pilot reactor**
 Dry digestion of municipal organic waste in a pilot reactor Project Partner: KNUST (Kwame Ninsin University of Science and Technology) Project Period (approx.): Jan 2011 - July 2013 Sandec group:
- 3E: Eau, Energie et Environnement**
 3E: Eau, Energie et Environnement Project Partner: Zé University Project Period (approx.): 2013-2015 Sandec group: Water Supply with Treatment
- FaME - Faecal Management Enterprises**
 FaME - Faecal Management Enterprises - Accra, Ghana Web site: <http://www.sandec.ch/fome>

Map Icons: 🚛 Excreta and Wastewater Management, 🏗️ Strategic Environmental Sanitation Planning,

🌞 SODIS, 🗑️ Municipal Solid Waste Management, 💧 Water Supply and Treatment

Sandec – Publications Available on Website

www.sandec.ch

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How we can support you!

Contact CAWST and Eawag-Sandec for support on using and adapting our education and training resources for your work.



Upper 424 Aviation Rd NE,
Calgary AB T2E 8H6, Canada



+ 1 403 243 3285



support@cawst.org



www.cawst.org

Visit www.cawst.org/resources and www.sandec.ch for:

- Latest updates to this document
- Other workshop & training related resources



Überlandstrasse 133
CH-8600 Dübendorf, Switzerland



+41 (0)58 765 55 11



info@sandec.ch



www.sandec.ch



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