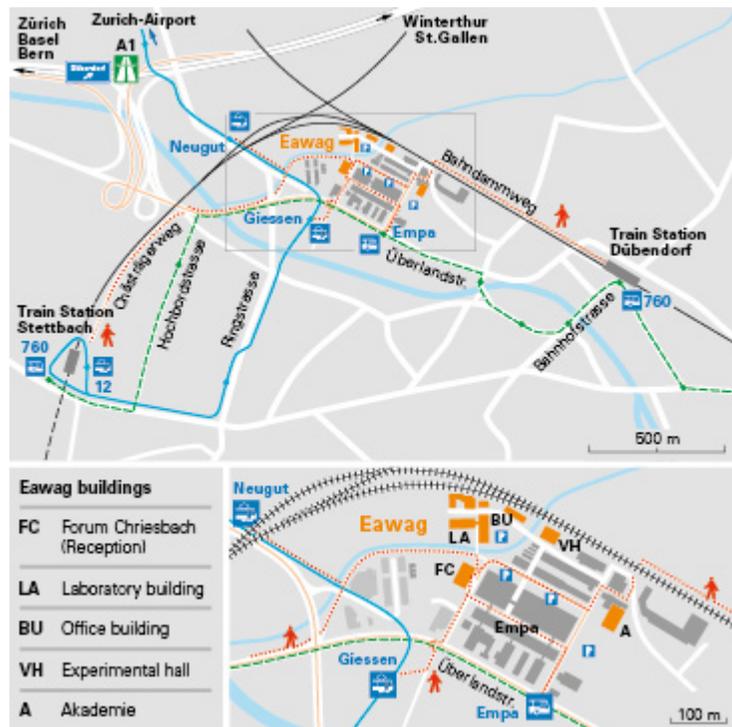


## How to find Eawag:



### Public transport

- From *Zurich Main Station (HB)* take the train S3, S9 or S12 to Stettbach. From there it is 20 minutes walk to Eawag (see map), or take tram No. 12 to “Giessen” or bus No. 760 to “Empa”.
- From *Zurich Oerlikon*, take the S14 train to Dübendorf and then bus No. 760 to “Empa”, or walk to Eawag, about 20 minutes (see map).
- From *Zurich-Airport*, take tram No. 12 to either stop “Neugut” or “Giessen” (about 20 minutes ride).

### Car

- From the Motorway A1, take exit Dübendorf, to the right towards Dübendorf, 300 meters after the major crossing turn left into the Eawag-Empa premises. Parking tickets for visitors can be obtained at the reception if visitor bays are full.

For more details : [http://www.eawag.ch/about/standorte/anreise\\_dd/index\\_EN](http://www.eawag.ch/about/standorte/anreise_dd/index_EN)

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Tobias Schulze, UFZ: [tobias.schulze@ufz.de](mailto:tobias.schulze@ufz.de)



**eawag**  
aquatic research

HELMHOLTZ  
CENTRE FOR  
ENVIRONMENTAL  
RESEARCH - UFZ

First announcement

## NORMAN MassBank Workshop 2014

Organised by

Eawag - Swiss Federal Institute of Aquatic Science and Technology  
UFZ – Helmholtz Centre for Environmental Research (Germany)

On behalf of the

NORMAN Association Working Group 3 “Effect-directed  
analysis for hazardous pollutant identification”

**17-18 September 2014**

Eawag: Dübendorf, Switzerland

Attendance is free of charge.

Please register by **1 August 2014** at

<http://www.ufz.de/index.php?en=32699>

### For further information contact

Emma Schymanski, Eawag, Switzerland: [emma.schymanski@eawag.ch](mailto:emma.schymanski@eawag.ch)  
Tobias Schulze, UFZ, Germany: [tobias.schulze@ufz.de](mailto:tobias.schulze@ufz.de)

RMassBank

<http://www.norman-network.net/>  
<http://www.eawag.ch>

MassBank

## Background & Objectives

The identification of polar organic compounds and their transformation products in the environment and their potential adverse effects are of great interest for the prioritisation of emerging pollutants. While LC-MS techniques are useful for the identification of polar contaminants, the bottleneck in identification remains due to the lack of comprehensive mass spectral libraries. Greater contributions to open spectral libraries will speed up the success of suspect and non-target screening efforts immensely.

In 2011, the NORMAN Association joined the MassBank consortium and established NORMAN MassBank, [www.massbank.eu/MassBank/](http://www.massbank.eu/MassBank/), hosted at the UFZ and now acting as the main European MassBank server. Over 7,100 spectra of standard compounds have been added by NORMAN members to date, as well as literature and tentative/unknown spectra for the exchange of data.

This workshop is a dual purpose event. The first afternoon is a general information and discussion session about NORMAN MassBank, where attendees will be updated on the activities over the last two years and have the opportunity to discuss the future plans and potential contributions to NORMAN MassBank. Participants of all backgrounds and interests are welcome to attend. On the second day, those wishing to contribute data to NORMAN MassBank will have the opportunity to bring their own data, create and upload MassBank records of their own substances, with support provided by the team developing RMassBank. Institutes/Participants interested in contributing data during this workshop are kindly requested to contact us in advance to assist in planning.

## Date and Venue

The workshop will take place on 17-18 September 2014 at Forum Chriesbach, Eawag, Dübendorf, Switzerland (see reverse). The rooms will be signposted.

17 September: Room FC-C24

18 September: Computer Room FC-B15

## Registration, lunch break and dinner

Participation in the workshop is free, including refreshments during the break on the first day. The remaining breaks and meals are not included.

Deadline for registration is **1 August 2014**.

Please register through the website: <http://www.ufz.de/index.php?en=32699>

**Organisers:** Emma Schymanski, Swiss Federal Institute of Aquatic Science and Technology, (Eawag), Switzerland and Tobias Schulze, Helmholtz Centre for Environmental Research (UFZ), Leipzig, Germany;

## Tentative Program

### Wednesday 17 September

#### *Update on NORMAN MassBank Activities - Open to all*

- 14:00 **Welcome and status quo of NORMAN MassBank**  
NORMAN MassBank: Current State and Future Plans (T. Schulze)  
Recent developments to RMassBank (S. Neumann, E. Schymanski)  
MassBank: The Japanese perspective (T. Nishioka or M. Arita)
- 15:00 **Discussion: What can NORMAN MassBank do for you?**
- 15:30 **Coffee break**
- 16:00 **Extending the capabilities of NORMAN MassBank**  
Tentative, literature and unknown spectra on MassBank (E. Schymanski)  
Demonstration: Environmental data and MassBank (T. Schulze, S. Neumann)
- 17:00 **Discussion and prioritisation of plans for NORMAN MassBank (all)**
- 18:00 Preparatory meeting for contributors participating on Thursday.
- 19:30 **Common dinner**, location to be announced at the workshop

### Thursday 18 September

#### *Contribute your own spectra to NORMAN MassBank - Open to contributors*

This day will be hosted by E. Schymanski (Eawag), S. Neumann (IPB), T. Schulze (UFZ) and E. Müller (UFZ/IPB), who will help contributors create MassBank records of their own data using RMassBank. Computers with all the necessary software installed will be available for 12 participants; a user interface is in the test phase.

Please contact us in advance about the data for upload and if you wish to use private machines. Example data includes:

- High resolution MS/MS (e.g. Orbitrap)
- QToF data (Bruker, AB Sciex, Agilent)
- Peak lists (high or low resolution)

This day will be from 9:00 to 18:00, with lunch and coffee breaks at convenient times. A common dinner will be held in the evening.

## NORMAN Association

NORMAN, a network of reference laboratories and research centres, is an independent and competent platform in the monitoring of emerging environmental contaminants. NORMAN facilitates an exchange of information, debate and research collaboration at the global level, with the European Union's in-house science service. See <http://www.norman-network.net/>.

