



# EUROPEAN NUTRIENT EVENT

## Preliminary Programme

Nutrient recycling R&D projects and technologies  
meeting including technology fair

18th – 20th October 2017

Parterre Rialto, Birsigstrasse 45, 4054 Basel / CH

# PROGRAMME

## European nutrient event

### DAY 1, 18<sup>TH</sup> OCTOBER

Conference language: German, English translation

Knowledge exchange for European stakeholders on phosphorus recycling legislation and implementation in Switzerland and Germany / Launch of Phosphorus Network Switzerland

Moderation: Daniel Frank, German Phosphorus-Platform DPP

#### Registration

**8:30 – 9:00** Registration and networking

#### Opening

**9:00 – 9:15** **Welcome in Basel**  
State Councillor Christoph Brutschin, Head of the Department of Economic, Social and Environmental Affairs of the Canton of Basel-Stadt  
  
Falko Schlottig, Director of the School of Life Science FHNW

#### State of the art and regulatory framework

**9:15 – 9:35** **Phosphorus recycling in Switzerland: How to go on?**  
Kaarina Schenk, Federal Environment Agency BAFU

**9:35 – 9:55** **Regulatory requirements for Phosphorus recovery in Germany – consequences**  
Hans-Walter Schneichel, Environment Ministry Rhineland-Palatinate MUEEF

**9:55 – 10:20** **Sewage sludge disposal and Phosphorus recovery, Options in Switzerland**  
Anders Nätörp, School of Life Sciences FHNW

**10:20** Coffee break and networking at technology fair / poster exhibition

#### Sewage sludge disposal

**10:50 – 11:10** **Concept for sewage sludge disposal in Northwestern Switzerland**  
Alain Zaessinger, ProRheno / Peter Müller, ARA Rhein / Pascal Hubmann, AIB

**11:10 – 11:40** **Sewage sludge drying as starting point for disposal and recovery, results from alkaline pyrolysis**  
Christoph Egli, AVA Altenrhein

**11:40 – 12:05** **Mono-incineration plants – a starting point for Phosphorus recovery**  
Claudio Bianculli, ZAB, Association for waste recycling Bazenheid

**12:05** Lunch break at technology fair / poster exhibition

#### Phosphorus recovery technologies

**13:20 – 13:40** **Phosphorus mining from sewage sludge – the Phos4life process as option for the Swiss Phosphorus strategy**  
Stefan Schlumberger, Center for sustainable management of recyclable waste and resources ZAR

**13:40 – 14:00** **Ash leaching: The Tetraphos process, results from pilot trials and perspectives**  
Patrick Herr, Remondis Aqua

**14:00 – 14:20** **Mephrec: sewage sludge disposal and Phosphorus recovery in one, results from pilot trials**  
Burkard Hagspiel & Otto Schwarzmann, SUN Nürnberg

**14:20 – 14:40** **N.N. Technology**  
N.N.

**14:40 – 15:00** **Technology demonstrations in Phos4You – options for Switzerland?**  
Marie-Edith Ploteau, Lippeverband

**15:00** Coffee break and networking

**15:30 – 15:50** **How can recycled Phosphorus feed plants?**  
Research Institute of Organic Agriculture t.b.c.

**15:50 – 16:00** **Phosphorus Network Switzerland – information across sectors and networking for implementation – interactions with the European Sustainable Phosphorus Platform**  
Maurice Jutz, Anders Nätörp, Jan Stemann, School of Life Science, FHNW

#### Technology fair and poster exhibition

Phosphorus recovery technology suppliers stands. Posters of nutrient recycling R&D projects.

Run parallel to sessions on day 1 and 2

# PROGRAMME

## European nutrient event

### Wrap up

**16:00 – 16:40 Options and financing: Panel discussion with Swiss stakeholders**

Moderated by Thomas Wintgens, School of Life Science, FHNW

**16:40 – 16:50 Summary and perspective**

Ludwig Herrmann, European Sustainable Phosphorus Platform ESPP / Sébastien Meunier, BaselArea.swiss

**17:00 - 18:00 Informal get together – Apéro**

**19:00 Networking dinner at Markthalle, Steinentorberg 20, Basel**

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## DAY 2, 19<sup>TH</sup> OCTOBER

Conference language: English

Networking of leading nutrient recycling projects across Europe (EU H2020, LIFE, INTERREG, national and other projects), with technology suppliers and users / Launch of Phos4You project.

Moderation: Christopher Thornton, European Sustainable Phosphorus Platform ESPP

**8:30 – 9:00 Registration and networking**

### State of the art of nutrient recycling R&D and perspectives for implementation

**9:00 – 10:30 Key note speeches from the CEO of the Waterboard Lippeverband / Lead Partner Phos4You as well as high level representatives presenting the European dimension, the Swiss recovery context and the funding perspective.**

**10:30 – 11:00 Coffee break and networking at technology fair / poster exhibition**

### Current Research and development projects

**11:00 – 12:30 Speed-date presentations of current R&D projects**  
Representatives of selected projects present their specific approach

**12:30 – 14:00 Lunch break at technology fair / poster exhibition**

### Thematic workshops on common challenges

Parallel discussion sessions co-led by Phos4You and projects such as BIOREFINE Cluster Europe, SYSTEMIC, INCOVER, AgroCycle, SMART-Plant, Newfert, Run4Life and organisations such as Flanders VCM and LUKE. Short introductory comments from industry, regulators and experts.

**14:00 – 15:30 1) Recycled nutrient product qualities and standards**

**2) Nutrient recovery in the sewage works of the future**

**3) Life Cycle – Analysis (LCA) and – Costing (LCC) of recovery processes**

**4) Technology transfer from municipal sewage to / from manures and other streams**

**5) Nutrient recovery: how to move from R&D to implementation**

**15:30 – 16:15 Coffee break**

**16:15 – 17:15 Define future actions, need for further R&D: Plenary reporting of workshops and panel discussion**

Representatives of user sectors (water industry, fertilisers, farmers) and policy makers on national and EU level

**17:15 – 17:30 Final conclusion and wrap up**  
Christopher Thornton, ESPP

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## DAY 3, 20<sup>TH</sup> OCTOBER

Conference language: English

Consequences for the Phos4You project.

**09:00 – 15:30 Internal Phos4You meeting (Steering Group and Working Groups)**  
**Closed meeting only for Phos4You partners and associated partners.**

### Technology fair and poster exhibition

Phosphorus recovery technology suppliers stands. Posters of nutrient recycling R&D projects.

Run parallel to sessions on day 1 and 2

# INFORMATION

## European nutrient event

### Event location

Parterre Rialto, Birsigstrasse 45, 4054 Basel / CH

### Registration

Please register bindingly on:

[www.nweurope.eu/phos4you](http://www.nweurope.eu/phos4you)

Places are limited. First registrations will be accepted first.

### Conference fee

There are no fees for the conference. Cost for Travel, hotel and dinner at day 1 will have to be paid individually.

### Poster exhibition

If you are interested in displaying a poster, please indicate in registration form.

### Technology fair

Price for having a stand will be 1.500 EUR incl. VAT, including admission for the two days. If you are interested, please contact: [anders.naettorp@fhnw.ch](mailto:anders.naettorp@fhnw.ch)

### Participants

**Day 1** Swiss, German and Austrian nutrient recovery stakeholders, Phos4You partners and associated partners, R&D stakeholders, P-recovery technology providers

**Day 2** Participants covering main EU and national R&D projects, selected representatives of user industries (water industry, fertilizer sector, farmers), EU and national project funders and innovation investment companies.

Also for Day 1 and 2: P-recovery technology suppliers (with stands), New / ongoing and recently completed R&D projects posters

**Day 3** Phos4You partners and associated partners

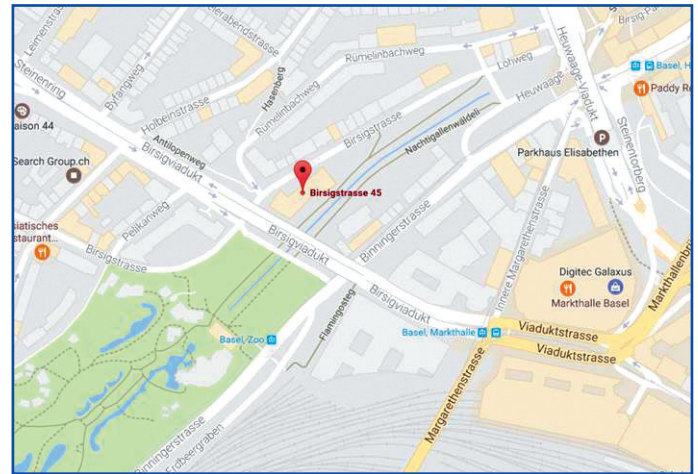
### Hotel accomodation

Recommended rooms for individual booking are available at:

Hotel Victoria  
Centralbahnplatz 3-4  
4002 Basel

Stay at Basel  
Gempenstrasse 62  
4053 Basel

ibis Basel Bahnhof  
Margarethenstrasse 33-35  
4053 Basel



Google

### Contact

**For conference:** Anders Nättorp, FHNW: [anders.naettorp@fhnw.ch](mailto:anders.naettorp@fhnw.ch)  
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Marie-Edith Ploteau, Lippeverband: [ploteau.marie-edith@eglv.de](mailto:ploteau.marie-edith@eglv.de)

**For registration:** Nadine Bailleux, BaselArea.swiss: [events@baselarea.swiss](mailto:events@baselarea.swiss)

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