

# The development of a risk assessment methodology for predicting phosphorus losses at the field scale



*Joint meeting of the working groups 1 and 2 of the COST action 832*



from 16th to 19th October 2002

at the Swiss Federal Institute of Technology (ETH) Zurich



contact:

*cost.workshop@ipw.agrl.ethz.ch*

More informations:

*www.pe.ipw.agrl.ethz.ch*

The development of a risk assessment methodology for predicting phosphorus losses at the field scale  
 Joint meeting of the working groups 1 and 2 of COST 832 (16th - 19th October 2002)  
 Swiss Federal Institute of Technology (ETH) in Zurich.

**16<sup>th</sup> October 2002**

Arrival to Zurich

16h-18h Registration (LFW, main hall)

17h-19h Apero (LFW, main hall)

**17<sup>th</sup> October 2002 (Room HG D 3.2)**

8h-9h Registration

9h-9h10 Welcome address (president of COST action 832, P Withers)

**Session 1: Introductory lectures**

(Chair: P Withers)

9h10-9h35 Water eutrophication in Switzerland, Research on phosphorus (E. Frossard)

9h35-10h Introduction to the COST workshop (O. Schoumans, P. Withers)

10h-10h30 Coffee

**Session 2: Phosphorus balances**

(Chair: J.P. Destain)

10h30-11h Methods for calculating P balance at the farm level (H. Schüpbach)

11h-11h30 Methods for calculating P balance at the field level (H. Tunney, P. Csatho, P. Ehlert)

11h30-12h Fate of P surplus in the soil (G. Rubaek, A. Oberson)

12h-14h Lunch

**Session 3: Assessment of P availability and fertiliser recommendation**

(Chair: S. Sinaj)

14-14h30 Do different methods used to estimate soil P availability across Europe give comparable information? (J.A. Neyroud, P. Lischer)

14h30-15h What should be fertilised: the plant to maintain an optimal productivity and quality, or the soil to maintain a given level of P? (P. Ehlert, C. Morel, M. Fotyma, J.P. Destain)

**Session 4: What soil P test can and can not do to improve the prediction of P losses**

(Chair: C. Stamm)

15h-15h30 To predict P losses by run off and erosion (J. Quinton, H.R. Tuhkanen, M. Yli-Halla, P. Strauss)

15h30- 16h Coffee

16h-16h30 To predict P losses by leaching (P. Leinweber, S. Sinaj, C. Stamm, O. Schoumans)

16h30-17h Incidental P losses (P. Withers, B. Ulen)

***Free evening!***

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**18th October 2002 (Room HG D 3.2)**

**Session 5: Data integration for risk assessment**

(Chair: O Schoumans)

- 9h-9h30      Concept (K. Beven,  
P. Haygarth)
- 9h30-10h     Model based on  
processes/mechanisms  
(P. Groenendijk)
- 10h-14h:     Coffee, poster, lunch
- 14h-17h      Excursion to field study sites  
in the watershed of Lake  
Greifen (M. Schaerer,  
T. Vollmer)

***Evening: ... special event !!!!!***

**19th October 2002 (Room HG D 3.2)**

**Session 5 (continued):**

- 9h-9h30      P Index system  
(L. Heathwaite,  
M. Bechmann)
- 9h30-10h     Use of monitoring data to  
link catchment load to land  
use and nutrient management  
(B. Kronvang)
- 10h-10h30    coffee

**Session 6: Towards a risk assessment methodology**

(Chair E. Frossard)

- 10h30-11h30 Discussion (E. Frossard)
- 11h30-12h    Conclusions (J.P. Destain,  
O. Schoumans, P. Withers)

***Afternoon: Visit of the ETH research station Eschikon (optional)***

Contact: [cost.workshop@ipw.agrl.ethz.ch](mailto:cost.workshop@ipw.agrl.ethz.ch)

## Call for Abstracts (Poster presentations)

Poster contributions are invited on topics within the scope of the workshop. Please send the title of your presentation and a short abstract before July 19. to [cost.workshop@ipw.agrl.ethz.ch](mailto:cost.workshop@ipw.agrl.ethz.ch). All abstracts received before July 19. will be published in a proceedings format and handed out to all participants.

Deadline for Abstracts (Poster presentations)                      July 19. 2002

Registration deadline    July 19. 2002

## Accommodation

All the participants of the workshop are pleased to book their hotel rooms themselves, also the invited speakers and the participants who represent their country in the cost action 832.

On the following list you find a selection of hotels located within walking distance to the ETH:

<b>Hotel ★★★</b>	<b>Street</b>	<b>Zip Code</b>	<b>Phone</b>	<b>Fax</b>
Hotel Adler	Rosengasse 10	8001 Zürich	+41 1 266 9696	+41 1 266 9669
Hotel Altstadt	Kirchgasse 4	8001 Zürich	+41 1 250 5353	+41 1 250 5354
Hotel Bristol	Stampfenbachstr. 34	8002 Zürich	+41 1 261 8400	+41 1 251 1951
Hotel Comfort Inn Royal	Leonhardstr. 6	8001 Zürich	+41 1 266 5959	+41 1 266 5960
Hotel Franziskaner	Niederdorfstr. 1	8001 Zürich	+41 1 250 5300	+41 1 250 5301
Hotel Krone Unterstrass	Schaffhauserstr. 1	8006 Zürich	+41 1 360 5656	+41 1 360 5600
Hotel Leoneck	Leonhardstr. 1	8001 Zürich	+41 1 254 2222	+41 1 254 2200
Hotel Montana	Konradstrasse 39	8005 Zürich	+41 1 271 6900	+41 1 272 3070
Hotel Plattenhof	Zürichbergstr. 19	8028 Zürich	+41 1 251 1910	+41 1 251 1911
Hotel Poly	Universitätstr. 63	8006 Zürich	+41 1 362 9440	+41 1 361 6212
Hotel Rex	Weinbergstr. 92	8006 Zürich	+41 1 360 2525	+41 1 360 2552
Hotel Rössli	Rössligasse 7	8001 Zürich	+41 1 252 2121	+41 1 252 2131
Hotel Rütli	Zähringerstr. 43	8001 Zürich	+41 1 251 5426	+41 1 261 2153
Hotel Scheuble	Mühlegasse 17	8001 Zürich	+41 1 251 8795	+41 1 251 7678
Hotel Seidenhof	Sihlstr. 9	8001 Zürich	+41 1 211 6544	+41 1 212 0148
Hotel Sunnehus	Sonneggstr. 17	8006 Zürich	+41 1 251 6580	+41 1 252 0268

For more information , visit the homepage [www.pe.ipw.agrl.ethz.ch](http://www.pe.ipw.agrl.ethz.ch)

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