



1st announcement CHR symposium

„Low flows in the Rhine catchment”

September 20-21, 2017

in

Basel, Switzerland

Theme of the international-scientific symposium

‘Science meets practice’

What do we know about low flows in the Rhine basin and how to develop further practical instructions to better reduce negative impacts of low flow events? How can we better monitor or manage low flow events?

In recent years there has been a shift from looking not only at the implications of floods in rivers and their impacts on ecosystems but also towards low flows. During the last decades several low periods occurred with severe impacts not only on the river itself but also on the civil society. Low flow periods affect navigation, hydropower production and the environment. Indeed, just as floods, low flows are natural events which can considerably restrict different uses and functions of the river Rhine and impact water quality and the aquatic ecosystem. Therefore the management of low flows was put high on the agenda of river authorities and they had to come with practical solutions.

We would like to welcome you.

Olivier Overney – Hans Moser

Draft Program

Day 1 – September 20, 2017

Introduction	
09:00 – 09:30	Registration (coffee & tea)
09:30 – 10:00	Welcome and opening of the symposium – Host Dr. Olivier Overney , BAFU / Prof. Dr. Hans Moser, President of CHR
10:00 – 10:30	What is the problem of low flow in the Rhine catchment? Setting the scene – Gregor Laaha, Boku, Austria
Session 1: Processes – Hydrology & Atmosphere – Parameters / Moderator and Reporter	
10:30 – 10:55	The ASG project in relation to low flows – Jörg Uwe Belz, BfG, Germany
10:55 – 11:20	Some current challenges in setting up and operating sub-seasonal to seasonal predictions of low flows in Switzerland – Massimiliano Zappa, WSL, Switzerland
11:20 – 11:45	Coffee & tea break
11:55 – 12:20	Hydro-geologic controls on low flow dynamics– Philip Brunner, University Neuchatel, Switzerland
12:20 – 12:45	Low flow in Switzerland on different spatial and temporal scales – Rolf Weingartner, Uni Bern, Switzerland
12:45 – 14:00	Lunch (all participants)
14:00 – 14:25	Climate change & atmospheric drought – Monica Ionita Scholz , Alfred Wegener Institute, Germany
14:25 – 15:00	Discussion on podium (5 panelists plus questions from ‘audience’ /preparation group)
15:00 – 15:30	Coffee & tea break
Session 2: Low Flow Impacts / Moderator and Reporter	
15:30 – 15:55	Low flows and impacts on the Rhine – (recent) study results of the ICPR expert group Low Flows – Gerhard Brahmer, HLNUG, Germany
15:55 – 16:20	Low flows and impacts on navigation – Norbert Kriedel, CCNR, France
16:20 – 16:45	Low-flow forecasting : principles, outcomes, and operational implementation of the French PREMHYCE project – Pierre Nicolle, IRSTEA, France
16:45 – 17:10	Water ecology – NN
~ 17:15	preview on day 2 & closure of day 1
~ 19:00	Dinner in Hotel Dorint – to be specified

Day 2 – September 21, 2017

Session 2: Low Flow Impacts (continuation) / Moderator and Reporter	
08:30 – 09:00	Coffee & tea break
09:00 – 09:25	Focus on fresh water supply in the Dutch Rhine Delta – Vincent Beijk, RWS-WVL, The Netherlands
09:25 – 09:50	Drought impact inventory (EU database) – Irene Kohn, Uni Freiburg, Germany
09:50 – 10:15	Impacts of low flows on the (water) energy sector – Damien Puygrenier, Division Technique Générale, EDF, France
10:15 – 10:45	Coffee& tea break
Session 3: Measures to cope with low water/ water shortage / Moderator and Reporter	
10:45 – 11:10	Low flow management and local water scarcity – Samuel Zahner, BAFU, Switzerland
11:10 – 11:35	Instruments for low flow management in Bavaria based on LAWA-guidance – Werner Wahliss, Bayrisches Landesamt für Umwelt, Germany
11:35 – 12:00	Drought monitoring and assessment at EU level through a novel low-flow index – Carmelo Cammalleri, Joint Research Center, Ispra, Italy
12:00 – 12:30	Wrap up and advices for CHR network how to proceed – all reporters and chairs/CHR
12:30 – 14:00	Lunch (all participants)
~ 14:00	Travel back and/or start of CHR-board meeting

Evening event

Participants' dinner see program table on September 20th, 2017.

Language

The symposium language will be English. No (simultaneous) translation is available.

Q & A's and small discussions can take place in French and German too and will be supported by the moderators.

Venue and travel

The symposium takes place at the [Hotel Dorint](#), Schönaustrasse 10, CH-4058 Basel.

Registration

You can register for the symposium via the CHR website www.chr-khr.org.

Participation is free of costs.

Hotels and overnight stay in Basel

Rooms are available in diverse Hotels in the city of Basel or nearby. Please check at the generally known booking sites. If you need an entrance please refer to the [tourist office in Basel](#).

Organisers

The invitation to the event (<http://www.chr-khr.org/en/calendar>) is issued by the International Commission for the Hydrology of the Rhine Basin (CHR). For further information about CHR, please visit our website at <http://www.chr-khr.org> or contact us.

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