



Introduction of our strategy

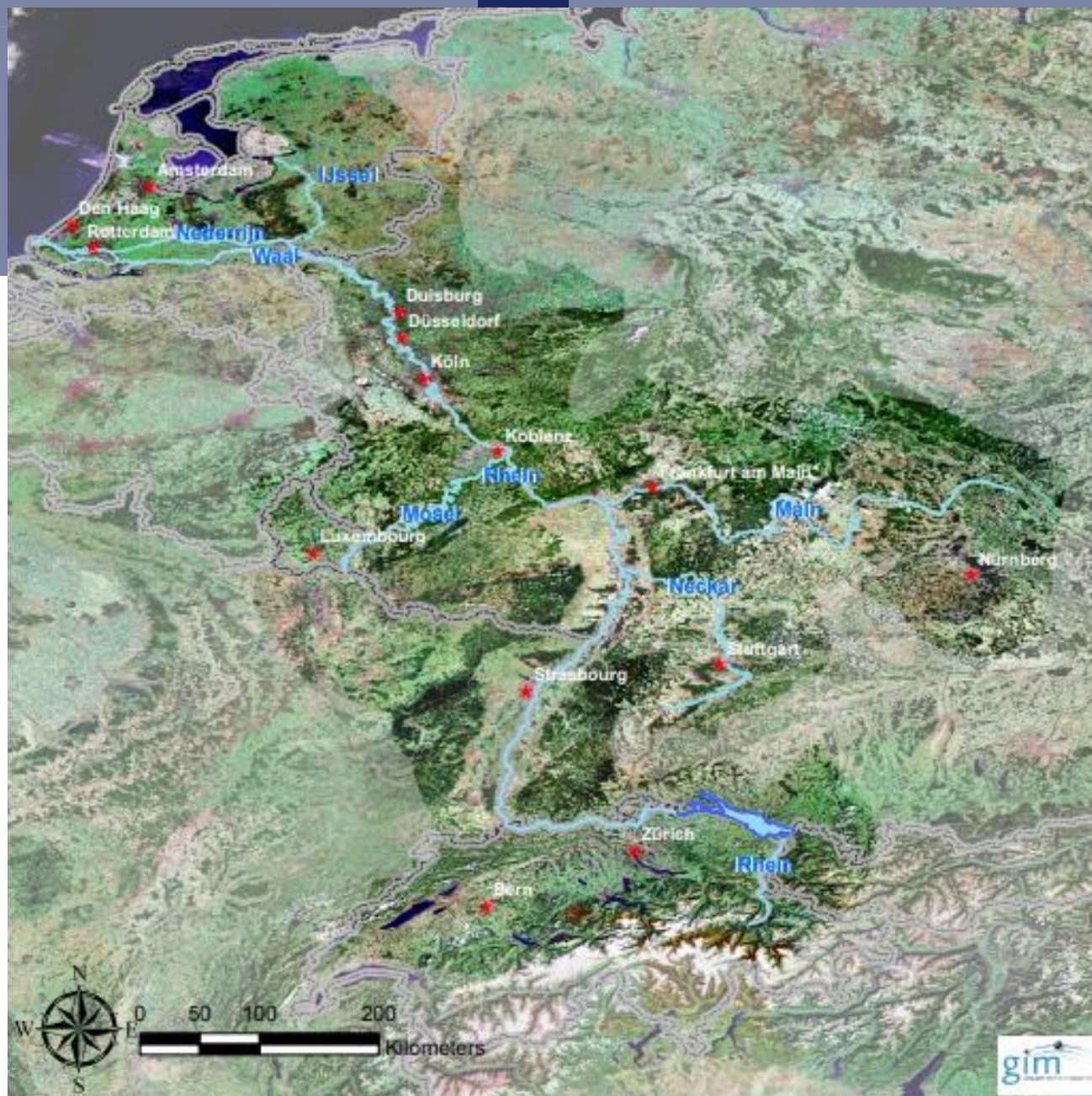
&

Our jubilee book and leaflet



Mr. H. Habersack
President of the CHR

CHR symposium, 21 October, 13:00-13:15



Strategy 2020-2030

- Strategy is elaborated in 2020 for the period 2020-2030.
- The strategy is based on our statutes, which state the following:

- Enhancement of the cooperation between hydrological institutes and services in the catchment area of the River Rhine
- Execution of research on the hydrology of the Rhine area and the exchange of results of these studies
- Support of the exchange of hydrological data and information of the Rhine area (e.g., actual data, forecasts)
- Development of standardized methods to collect and process hydrological data of the Rhine countries
- Support of the cooperation with other international organizations



Our strategy is added in your welcome package and available in 3 languages (German, English, French)



International Commission for the Hydrology of the Rhine Basin
Strategy 2020-2030

THE RHINE RIVER

The Rhine, which flows over a distance of 1,293 kilometres, from the Alps to the North Sea, is an important lifeline for Western Europe. A multitude of users depend on the Rhine for an adequate and clean water supply, while maintaining a healthy relationship with the natural environment and its ecosystem. In addition, limiting the risks of an over-supply of water in the event of flooding, or an under-supply of water during drought periods, and managing the previously

COMMISSION FOR THE HYDROLOGY OF THE RHINE BASIN

The Commission for the Hydrology of the Rhine Basin (CHR) is an independent scientific body, through which the relevant authorities of the Rhine's riparian states cooperate. The participating countries are Austria, Switzerland (also representing Liechtenstein), Germany, France, Luxembourg and the Netherlands. The CHR was founded in 1970, partly due to UNESCO and the WMO directives, within the context of the

CHR's Vision

.....the vision of the CHR is to continually generate adequate and future-oriented scientific knowledge pertaining to the hydrology of the Rhine, for the targeted use of policy-makers and stakeholders.....

.....the CHR is a leading worldwide example of successful and peaceful international collaboration when it comes to transboundary river basins.....



The International Commission for the Hydrology of the Rhine basin (CHR) is an organization in which the scientific institutes of the Rhine riparian states formulate joint hydrological measures for sustainable development of the Rhine basin

[PROJECTS](#) [PUBLICATIONS](#) [NEWS](#) [ORGANISATIONS](#) [ABOUT US](#)



CHR's Mission

The CHR...

1. provides a scientific knowledge base for the hydrology of the Rhine catchment area, conducting both solicited and unsolicited research
2. makes these results available to scientists, decision makers and stakeholders in the region.
3. focuses on advising politically-active and technically-oriented organizations (e.g. ICPR and CCNR) to support them with reliable science based information for the implementation of guidelines, policy, management and decision-making



Thematic focus 2020-2030

Thematic focus:

1. continuous maintenance of the hydrological-morphological knowledge base
2. The effects of climate change, land and water-use, socio-economic changes, and the changing morphology and sediment transport within the riverine system



Working Programme

CHR Information System

Climate change(ASG)

- More detailed calculations for floods and droughts
- Mountain/basin hydrology

Sediment

- Understanding physics
- Recommendation for sediment management

Land-water use/Socio-economics

- Socio-economic scenarios
- Water demand and water distribution
- Impact on Rhine discharge

“Rheinblick II”

- Integrated overview / Synthesis problem statement and future risks and uncertainties
- Engaging Rhine committies and other stakeholders to present meaningful indicators
- Engaging researchers; knowledge exchange
- ...

Jubilee book and leaflet

- A book (let it flow!) and leaflet were produced to mark our anniversary.
- The booklet is all about achievements, interviews and goals.
- Leaflet is about figures and facts of the Rhine.
- Our great thanks go to Renske Postma as author of these products and also present today as reporter of this symposium.

Booklet and leaflet in your welcome package and available in 2 languages (German, English)



booklet: people and researchers at the CHR

The people

PEOPLE MAKE THE CHR

The success of the CHR is the enthusiasm and energy of the people. The members of the Commission and the working groups love the Rhine and their professions. They want to share their knowledge and learn from each other. Working together in an international context is not always the quickest and the easiest way to achieve new results. But it is the only way to find common solutions for this intensively used river. That is what everyone is committed to.

THE COMMISSION

The Commission consists of representatives from governments and research institutes in Austria, Switzerland, Germany, France, Luxembourg and The Netherlands. The Commission elects a chairman every three years. The current chairman is...



The CHR celebrates the pub...



THE RESEARCHERS

Ten organisations are associated with the CHR. A working group is compiled for each project. If necessary, the Committee also involves universities or other knowledge institutes in order to be able to deploy the best knowledge at all times. In addition, the CHR sponsors research from other parties that are relevant to the work of the Commission.



CHR Secretariat in action (1978)

booklet: attention for users & CHR report series

The users

KNOWLEDGE FOR JOINT POLICY

The countries in the Rhine catchment use CHR knowledge for a transboundary approach to issues in the Rhine. Important users are the International Commission for the Protection of the Rhine

(ICPR) and the Central Commission for Navigation of the Rhine (CCNR). In these Commissions, the countries make joint policies, for example for restoring river nature, improving water quality, flood protection and sufficient depth for shipping.

The individual countries in the river basin also use the results of the CHR as a basis for their national policies and management. Scientists use the results as reliable input for other studies that in turn provide new knowledge about the Rhine.



Since 1988 the Model was ready to use. Since then, it has been possible to predict quickly when the front of a flood wave passes a certain location on the Rhine and how high the concentration of the harmful substances are. Managers can now respond faster and take the right measures. The Rhine Alarm Model was developed by the CHR, together with the International Commission for the Protection of the Rhine. It has been used many times since, for example, in 2008 when a tanker ran aground near Krefeld and 1,800 tons of oil threatened to leak into the

Rhine. In a fire at the chemical company Sandoz (1986), a large quantity of severely polluted fire extinguishing fluid was washed into the Rhine near Basel. A wave of pollutants moved through the river. The damage to the ecosystem up to The Netherlands was enormous and drinking water preparation was at a standstill for a long time. In 1988, the countries in the catchment decided to immediately work on a model to alert each other to this type of calamity: the Rhine Alarm Model.

Rhine.

RHEINBLICK

Climate change has been high on the agenda of water managers since the beginning of this century. The CHR issued a comprehensive report in 2010 on the impact of climate change on the discharge of the Rhine and the main tributaries.

CHR series

The CHR wants to give everyone easy access to knowledge about the Rhine. Reports on all studies are published in the CHR series, often in several languages. All reports can be downloaded for free from www.khr-chr.org. The reports on investigations, sponsored by the CHR, can also be found here.



booklet: member organisation & Rhine poetry

The organisations which are members of the CHR:

- Water Management Administration (Luxemburg)
- Deltares (The Netherlands)
- Federal Institute of Hydrology (Germany)
- Federal Ministry of Agriculture, Regions and Tourism (Austria)
- Federal Office for the Environment (Switzerland)
- Hessian Agency for Nature Conservation, Environment and Geology (Germany)
- International Center for Water Resources and Global Change (Germany)
- University Gustav Eiffel (France)
- National Research Institute of Science and Technology for Environment and Agriculture (France)
- Office of the Federal State of Vorarlberg Water Management Division (Austria)
- Rijkswaterstaat - Water, Traffic and Environment (The Netherlands)



50. Geburtstag der KHR-Gründung

Wir woll'n es nicht erleben
Das Hochwasser am Rhein!
Auch wenn das Klima wechselt
Wir müssen tapfer sein!

Solang die Flosse hebet
Ein Fisch auf seinem Grund,
Solang ein Lied noch lebet
In seiner Sängers Mund!

Solang er ruhig wallend
Das grüne Binnenschiff trägt,
Solang die Schraube schallend
In seine Wogen schlägt.

Wir woll'n ihn nicht erfahren
Den regulierten Bodensee!
Denn uns're Schweizer Brüder
Sie schreien "Ach" und "Weh"!

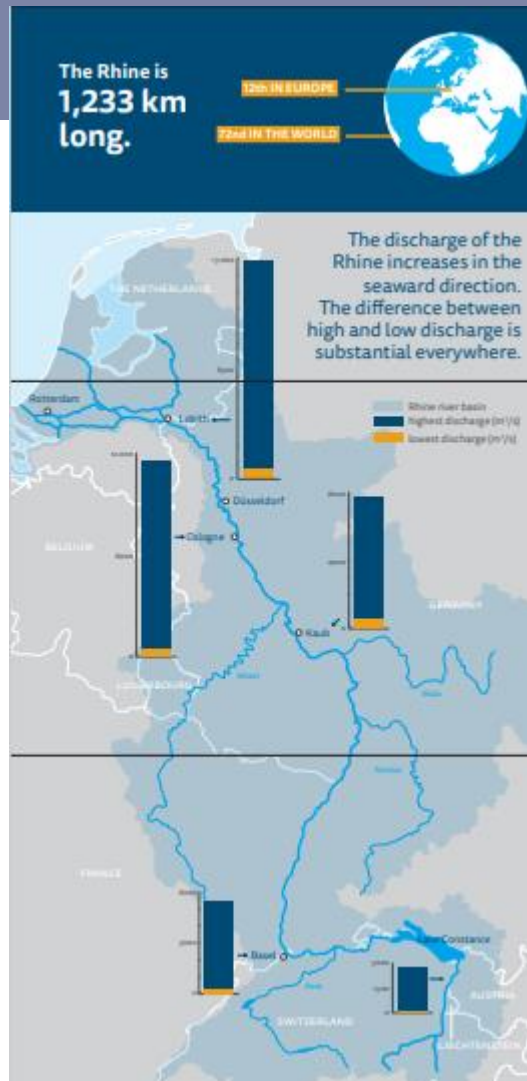
Wir woll'n ihn nicht erleben
Den ausgetrockneten Rhein!
Den Hydrologen beben:
Ohne Wasser... kein Wein!

Heute feiern wir die Gründung
Der Hydrologenkommission!
"Von der Quelle bis zur Mündung"
KHR gibt's seit langem schon!

Solang in seinem Strome
Noch Sedimente liegen,

Sie arbeiten zusammen
Und kennen den Rhein? Den tiefen Rhein!

leaflet: it is all about interesting figures & facts



The Rhine and its tributaries contain **190 reservoirs** with a **total volume of 3.28 billion m³**.

