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EVENTS

- 12./13.10.2010
AG RISK meeting in Vienna, Austria
- 25.-27.10.2010
Euregia fair in Leipzig, Germany, meeting on 25. October 2010
- 03.11.2010
Politics Workshop „Water tourism“ in Magdeburg, Germany
- 09./10.11.2010
WG ADAPT meeting in Ustí nad Labem, Czech Republic
- 24.-26.11.2010
Mid-term conference in Szolnok, Hungary
- 20./21.01.2011
Workshop on legal matters in Dresden, Germany



ELBE-LABE - Adaptation to flood risk in the Elbe river basin

ELBE-LABE - Anpassung an das Hochwasserrisiko im Elbeeinzugsgebiet

LABE-ELBE - Adaptace na povodňové riziko v povodí Labe

Remark on recent events:

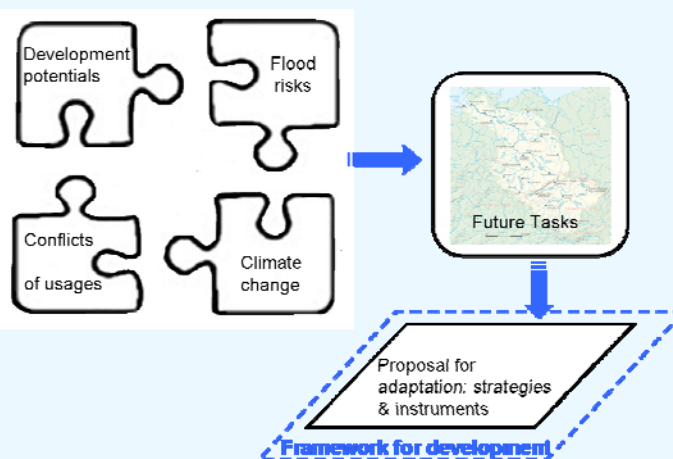
The devastating floodings in the summer and fall seasons of 2010 in Saxony, Saxony-Anhalt, Brandenburg, Northern Bohemia and Poland clearly show that the natural flood risks are not lessening. Research assumes that events of heavy rain will occur considerably more often in the future as a result of climate change since more and more so-called trough conditions will develop in this area. Therefore, long - term adaptation of the river location-depending land use to the flood risks is required – LABEL provides an important contribution for achievement of that goal in the catchment area of the Elbe. Flood protection is an enduring process – the findings from INTERREG projects such as LABEL or from previous projects such as ELLA and Oderregio must be implemented long-term and consequently.

The LABEL „Strategy“

The LABEL strategy indicates flood risk-adapted development perspectives for the entire Elbe-Labe catchment area. The document makes the project findings and the experiences gained from the transnational and interdisciplinary cooperation between water management and spatial planning available to experts as well as to the interested professional public.

The strategy consists of several focal points.

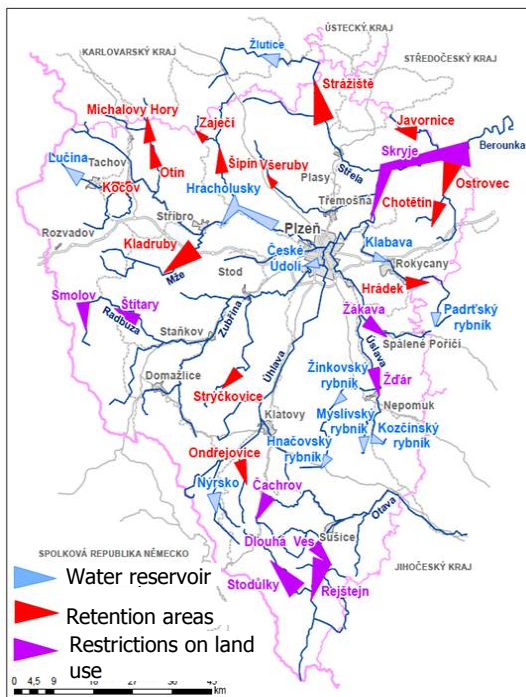
- Flood risk management: The approaches for evaluation of flood risks, mapping and flood risk management planning developed by the states and countries are clearly displayed and compared.
- Development potentials and conflicts of usage: The possibilities for the economical development, among others mainly tourism and shipping as well as settlement activities are shown for the entire Elbe-Labe catchment area.
- Climate change: The impact of the climate change on the contemplated fields of activities is explained.



Components of the LABEL Strategy

The concrete adaptation suggestions and strategies regarding the LABEL topics elaborated in the scope of various pilot projects compose the development framework for the Elbe-Labe catchment area. The LABEL strategy draws conclusions and gives recommendations for the future land use in risk regions in order to reduce flood risks and damage potentials. For more information regarding the joint activities in the scope of the LABEL project, please see <http://www.label-eu.eu/>

Analysis of the Retention Potentials in the District of Pilsen



The river Berounka, which emerges from the confluence of Úslava, Úhlava, Radbuza and Mže, drains almost the entire area of the district of Pilsen. There are already many water reservoirs in the district as can be taken from the map; the goals of the analysis of the retention potentials are as follows:

- Evaluation of the natural retention conditions in the district
- Evaluation of the retention potential of existing water reservoirs as well as of suitable and protected retention areas
- Evaluation of measures for the preventive flood protection already realized including controlled floodings
- Balancing of the distribution of surface water in the catchment area

The analysis is performed with the LABLEX team of experts which models the retention capacities in relation to the changes of the natural framework conditions as well as the operation and the location of new water reservoirs. The re-



The river Střela and the retentions area Strážíště © District Pilsen, CZ

sults will constitute the basis for updating the principles of the spatial development as well as for the spatial planning of the district and the communities in the region. Furthermore, they will support the determination of the conditions for the improvement of the water resource management in the landscape, e.g. ensuring the water supply or the drainage in case of extreme precipitations.

Responsible Partner: District Pilsen (Plzeňský kraj); the contract for the analysis was awarded to the Institute for Regional Information (Institut regionálních informací, s.r.o.).

Review of flood retention areas, evaluation of risks resulting from floods and pollutants and recommendations for adapted usages

The „Elbe corridor“ is considered to be the observation area, that means flood plains and flood-endangered regions by the Elbe as well as in the estuary zone of the tributaries, in the entire cooperation area of the Communal Joint Venture from 7 counties in Lower Saxony, Mecklenburg-Vorpommern, Brandenburg, and Saxony-Anhalt.

To begin with, restrictions on use and risks regarding a standardized evaluation for the observation area and utilization alternatives to be derived therefrom are shown in a first part. A second part of the survey will review the condition of the flood retention areas, their present and potential future dimensioning, the technical safety measures, in particular of dikes, polders and retention areas. In particular, the following tasks will be real-

- Presentation of existing and potential flood retention areas and their dimensioning
- Description of function and usages in the shown areas
- Presentation of the existing essential risks of utilization and of the utilization restrictions under special consideration of the pollution by floods
- Deriving of utilization possibilities in the shown areas including the nature conservation related marginal conditions and development ideas
- Deriving of recommendations for adapted utilizations including utilization alternatives as contribution to the regional concept „Lower Middle Elbe“



Observation area in the KAG © County Ludwigslust, DE

Responsible Partner: County Ludwigslust

Water level information system FLYS

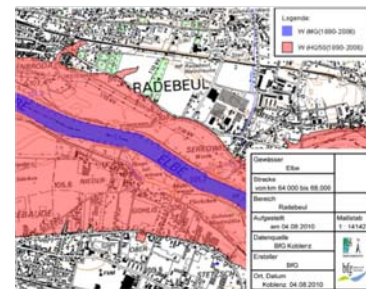
"What will the water level be at a random place of a water body depending on the run-off?" In order to answer this classic hydrologic question, the Federal Institute for Hydrology (BfG) has developed the river hydrology software FLYS. FLYS is not a hydraulic flow regime but processes model results as well as the geographical data and the geo specialist data which formed the basis for the modeling. FLYS unites various modules under a common user interface:

WINFO: WINFO can derive the water levels for each run-off at any point of the course of the river on the basis of known water levels of previous modeling projects.

DIAGRAM: The module offers the possibility to show data and results from WINFO in different views (e.g. longitudinal section, cross profile, discharge curves, continuous curves).

FLOOD MAP: With the GIS-tool, water levels produced in WINFO can be rendered as areas and flooding boundaries can be compared.

FIXATION ANALYSIS: The change of the water level - run-off relationship over time along the course of the river can be evaluated with this expert tool.



Potential flooding area, created with the module „Flooding Area“ © BfG

Thus, FLYS constitutes a comprehensive system for information and analysis for different groups of users which is still easy to operate. In the scope of the LABEL projects the user requirements shall be taken better into account. Some of the goals of the project are making FLYS available to a wider range of users as web application, improving the functions and implementing new modules. The expansion of the database for the Elbe catchment area will also be realized.

Responsible Partner: Bundesanstalt für Gewässerkunde, BfG (Federal Institute for Hydrology) / For further information, see www.bafg.de/M2, category „Modeling of Flowing Waters“

Water Guide along the Labe / Elbe-cycle path

In the scope of the project LABEL, a brochure will be established identifying sights interesting in regard to the water management along the Labe / Elbe. The goal is to sensitize cyclists and tourists along the Elbe in regard to water management topics and flood risks and in general to increase the public awareness of these topics.

The guide will lead to interesting water management installations and locations, such as dams, weirs, dikes, water gages, high- and low-water marks, harbors, channels and confluences etc. It is intended to supplement already existing tourist and cycling guides about the Labe / Elbe cycle path. The handy brochure will include a map of the Elbe cycle path with tips regarding the location of interesting sights, brief explanations and references thereto as well as some photos. The information will be made available in the three project languages German, English and Czech. The water guide will be supplemented by an internet presentation which will include comprehensive backup information.



Dike guard house Limesturm in the „Dessau-Wörlitzer Gartenreich“ © MLV

The guide „Water“ is established with the LfULG in charge in cooperation with all LABEL partners along the Elbe and the local tourism associations.

Responsible Partner: State Office for Environment, Agriculture and Geology of Saxony, LfULG



Pretzien Weir for cutting off the Elbe relief channel. Flood Protection Magdeburg and Schönebeck © MLV, DE

Joint Flood Risk Mapping in the Districts Liberec, Pardubice and Hradec - Králové

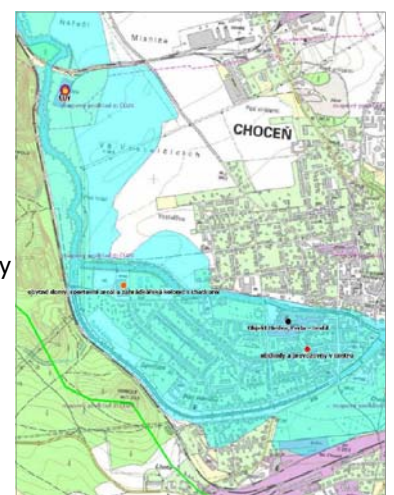
The districts will jointly elaborate maps depicting the risks and hazards for chosen river areas: Orlice incl. important tributaries (district Hradec - Králové), Jizera incl. their tributaries (district Liberec) and Tichá Orlice incl. their tributaries (district Pardubice). The maps at the scale of 1:10,000 meet the requirements of the EU-flood risk management directive.

The joint survey integrates an overview over historic flood events, the flood plains for the annualities HQ5, HQ20, HQ100, HQaktivní (active zone in CZ) and partially for HQ500 as well as potentially hazardous and potentially endangered objects in case of flood events. Furthermore, natural retention areas are mapped and existing flood prevention measures (e.g. polder, dams) are incorporated.

The findings of the survey and the maps will be presented to representatives of local administrations and to the professional public in seminars and workshops. Furthermore, the findings are made available to the general public on own web pages.

Interest groups will also receive a CD / DVD.

Responsible Partners: District Hradec Králové with the company Hydrosoft Veleslavín; District Liberec with the company Aquatest Praha; District Pardubice with the company Agroprojekce Litomyšl



Map of the potentially endangered properties © Pardubický kraj, CZ



LABEL - Headlines

Workshop „Involvement of Municipalities in Flood Risk Management“

The workshop „Involvement of Municipalities in Flood Risk Management“, which was performed in the scope of the LABEL pilot action 8, has successfully taken place. The documentation of the event can be downloaded here:

<http://www.label-eu.eu/project/pilot-projects/pilot-action-8.html>

Announcement of the LABEL Mid - term conference - 24-26 November 2010

The announcement of the LABEL mid - term conference with organizational details and a provisional program was sent to the LABEL partners and interest groups, see also:

<http://www.label-eu.eu/download/announcement-of-label-mid-term-conference.html>

Planning of Water Tourism Investments in Middle Bohemia

At a meeting in the region of Middle Bohemia, planned water tourism sites were presented and jointly discussed with affected municipalities and players. More detailed information regarding the survey on water tourism in Middle Bohemia can be found under:

<http://www.label-eu.eu/project/pilot-projects/pilot-action-12.html>

LABEL at a glance

Lead Partner:

Saxon State Ministry of the Interior

Duration:

09/2008 – 02/2012

Total budget:

4.275.680 €

thereof:

EFRE (EU-funding):
3.364.526 €

National co-financing:
911.154 €

www.label-eu.eu

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- PP 2: Ministry of State Development and Transport, Saxony-Anhalt
- PP 3: Thuringian Ministry of Agriculture, Forestry, Environment and Nature Preservation
- PP 4: Saxon State Ministry of the Environment and Agriculture
- PP 5: Saxon State Office for the Environment, Agriculture and Geology
- PP 6: Ludwigslust County
- PP 7: German Federal Institute for Hydrology
- PP 8: Association for Housing, Urban and Spatial Development e.V.

Czech Republic

- PP 9: Ministry of the Environment,
- PP 10: Ústí Region
- PP 11: Region of South Bohemia
- PP 12: Pilsen Region
- PP 13: Hradec Králové Region
- PP 14: Central Bohemia Region
- PP 15: Liberec Region
- PP 16: Pardubice Region
- PP 17: Elbe River Basin Authority
- PP 18: Vltava River Basin Authority

Austria

- PP 19: Federal Ministry of Agriculture, Forestry, Environment and Water Management

Hungary

- PP 20: Middle-Tisza district Environment and Water Directorate

