



LEBENSADER OBERE DRAU

**EUROPEAN RIVERPRIZE 2013**



LIFE ist ein Förderprogramm der EU zur Unterstützung von Naturschutzprojekten in Natura 2000-Gebieten.



# LIFE Upper Drau River

Project Area : 976 ha

Project Length: 69 km

Project Duration: 2006 - 2011

NUTS II - Einheit AT 21 Kärnten



NUTS III - Einheiten Kärnten



## UPPER DRAU PROFILE

Protection status: **Natura 2000, European protected area**

Size: **1,060 hectare**

Length: **68.5 km**

Altitude: **540 - 620 meters above sea level**

Run-off (water level Sachsenburg):

- Mean-flow conditions: **73.8 m<sup>3</sup>/s**

- Mean annual high waters: **391.2 m<sup>3</sup>/s**

- 100-year flood waters: **1,029 m<sup>3</sup>/s**

River bed width: **20 - 60 m**

Gradient: **1.5 - 2.9 ‰**

Regime type: **nivo-glacial** i.e. fed from snow and glaciers, maximum run-off in June

River course (until 1870):

**branched, oscillating, naturally stretched**

River course to-date:

**stretched to arched**

Biological water quality: **I-II**

Fish region: **grayling region**

Municipalities: **Oberdrauburg, Irschen, Dellach, Berg, Greifenburg, Steinfeld, Kleblach-Lind, Sachsenburg, Lurnfeld, Lendorf, Baldramsdorf, Spittal /Dr.**

# River Widening Obergottesfeld

## Problems

Narrowing of the river course after 65/66 floods

Degradation of the river bed

Loss of retention areas

## Objectives

Stabilizing of the river bed and improving of flood protection

Preservation of retention areas

Increase of bed load input

**FLOOD PROTECTION**





# River Widening Obergottesfeld



**FLOOD PROTECTION**





# River Widening Rosenheim

## Problems

Loss of terrestrial and wetland habitats

Loss of rare species

Conflicts in land use (agriculture – river ecology)

## Objectives

Increasing of hydrological dynamics

Creation of pristine habitats

Stabilization of groundwater level

**WETLAND ECOLOGY**





# River Widening Rosenheim



**WETLAND ECOLOGY**



# Side Channel St. Peter/Amlach

## Problems

Loss of riverine habitats

Reduction of fish biomass and typical species

Monotonous river course

## Objectives

Increasing of morphological dynamics

Creation of new (dynamic) habitats





# Side Channel St. Peter/Amlach





# Public awareness - recreation

## Problems

Reduced accessibility

Reduced public awareness

## Objectives

Improving visitor information

Creation of recreation areas

International co-operation with experts along the Drau River corridor





# Public awareness - recreation

## DECLARATION

concerning common approaches to water management, flood protection, hydropower utilization and nature and biodiversity conservation in the Drava River basin

Based on the holding, from 23 to 25 September 2008 in Maribor, Slovenia, of the international Symposium "Drava River Vision", in which representatives from water management and nature conservation bodies, education institutions and non-government organizations (NGOs) from the Drava River riparian states Italy, Austria, Slovenia, Croatia and Hungary participated,

in response to popular demand for the protection and maintenance of the riverine landscape of the Drava River across the different national borders concerned, and in order to strive for a good status of the river,

aspiring to support and strengthen existing strong common approaches to water management, flood protection, hydropower utilization and biodiversity conservation in the river basin,

affirming our intention to cooperate in the conservation, administration and further appropriate development of the Drava River and its associated topographical, hydrological and ecological systems,

To secure the values and ecological functions of the Drava River basin for generations to come, WE AGREE the following ten objectives as priorities for the future:

1. To promote the Drava River as a model for integrated implementation of EU policies on water and nature protection
2. To enhance flood protection through the improvement of flood warning systems and through increased information exchange
3. To enhance flood protection through protection and restoration of water retention areas along the Drava River
4. To continue and further develop restoration of the Drava River and its floodplains
5. To maintain and further develop the Drava River as an "ecological backbone"
6. To re-establish the ecological connectivity of the Drava River for migratory fish
7. To establish the Drava River as a cross-border recreation area
8. To use opportunities for the Drava River to be a connecting lifeline for different nations
9. To undertake integrated river basin management rather than fragmented sectoral measures
10. To undertake further development of the Drava River area in partnership with its resident human populations

Signed as a signal for full support at the Drava River Vision Symposium, by the Heads of Delegation of the International Commission for the Protection of the Danube River from the Danubian States Austria, Croatia, Hungary and Slovenia and by the Director of the Department for Hydraulic Engineering of Bolzano, South-Tyrol in Italy,

*Richard Stadler*  
Austrian HCD  
to the ICPR

*Zeljko Ostojic*  
Croatian HCD  
to the ICPR

*Gyula Hollo*  
Hungarian HCD  
to the ICPR

*Milica Brisek*  
Slovenian HCD  
to the ICPR

*Rudolf Pullinger*  
Italian Representative  
Hydraulic

and adopted by the Participants at the Drava River Vision Symposium, Maribor, 23<sup>rd</sup> - 25<sup>th</sup> September 2008.

Let us join forces in the conservation and sustainable development of the Drava River basin, functioning as a corridor of recovery in the heart of Europe!

HUMAN







Project Partner



LAND  KÄRNTEN

