

WORK PLAN

INVESTIGATIVE DANUBE

- Peer review of land use practices and their impacts
- Review of best management practices
- Policy instruments: stakeholder investigations

EXPLORATIVE DANUBE

- Preparation of pilot action clusters
- Implementation and survey of pilot action clusters
- Lessons learnt and resulting visions

VISIONARY DANUBE

- Development of transnational guidance
- Application of GUIDR and stakeholder toolkits

PROGRESSIVE DANUBE

- Elaboration of governance strategy
- Clustered enhancement of the GUIDR tool
- LUDP and relevant follow-up activities

DISCOVER MORE:

www.interreg-danube.eu/camaro-d
www.interreg-danube.eu



CAMARO-D & THE DANUBE TRANSNATIONAL PROGRAMME

CAMARO-D was approved in the framework of the first call of the Danube Transnational Programme 2014-2020 (DTP) in programme priority 2:

Environment and culture responsible Danube region

Programme Specific Objective 2.1:
Strengthen transnational water management and flood risk prevention



CAMARO-D aims at improving land use practices for the protection of water resources and flood risk prevention in the transnational Danube River Basin.

Based on

- jointly developed methods towards an integrated and efficient approach to water management and proposed measures to adapt existing practices
- an improved status of ecosystem services regarding water resources in the Danube Region, demonstrated and tested within pilot areas
- improved effectiveness & sustainable use of capacities as well as efficient organisational structures of land use management

the partnership develops an innovative transnational catchment-based **“Land Use Development Plan”**.



CAMARO-D

Cooperating towards Advanced Management routines for land use impacts on the water regime in the Danube river basin



Project co-funded by the European Union funds (ERDF, IPA)

THE PROJECT



Current Danube basin-wide challenges - like erosion, floods, soil compaction, surface water run-off, water pollution, invasive plant species and further risks boosted by climate change - ask for a coordinated transnational cross-sector approach towards an target-oriented land use management and optimized vegetation cover within relevant river catchment areas.

The main project objective is the achievement of long-lasting protection of water resources and of enhanced flood risk prevention. Sustainable land use practises shall foster the improvement of infiltration and water storage and shall lead to a mitigation of erosion and floods, thus safeguarding urbanised areas.

CAMARO-D develops a transnational catchment-based “Land Use Development Plan” (LUDP) providing a coordination and harmonization of different function-oriented sustainable land use management activities. This new planning instrument will be the initial action for setting up the framework conditions for transnational catchment-based cooperation and should therefore be integrated in existing River Basin Management Plans. Its operational implementation will be initiated and tested in practice within different Pilot Actions respectively Pilot Areas.

An innovative transnational guidance for sustainable land use planning (GUIDR) will allow the relevant stakeholders and decisions makers to take a hands-on-approach to this newly developed decision support tool. It will encompass a set of best practices for the steering of function-oriented land use activities and management also in consideration of uncertain trends concerning climate change. By means of a tailored stakeholder toolkit decision makers will get support for the mitigation of different conflicts of interest and will receive recommendations for the implementation of optimized steering tools for regional development strategies and respective funding programmes. Additionally, target-oriented trainings at agricultural and forest related schools will be organized to guarantee a successful dissemination also for future generations.

As this newly developed planning instrument (LUDP) demonstrates procedures for a sound water management on a transnational basis, it provides important inputs for the further development of the EU Strategy for the Danube Region (EUSDR) and other relevant policies.



FACTS & FIGURES



- ★ 14 project partners (financed by ERDF & IPA-funds)
- ★ 9 associated strategic partners

INVOLVED COUNTRIES: 9 (AT, SI, HU, RO, BG, HR, SRB, CZE, DE)

PROJECT DURATION: 01.01.2017 - 30.06.2019

PROJECT BUDGET: € 2,588.138 ERDF: € 2,027.792 IPA: € 172.125



THE PARTNERSHIP



CAMARO-D calls for an improved trans-sector and transnational cooperation between various stakeholder groups. Therefore the partnership is manifold in terms of geographical position and sectorial classification, comprising 14 financing partners and nine associated strategic partners from nine countries in the Danube region: governmental bodies with policy support and policy implementation functions, water suppliers, research and education institutions as well as environmental agencies acting at local, regional and national level.

PARTNERS SUPPORTED BY THE EUROPEAN REGIONAL DEVELOPMENT FUND (ERDF):

Lead Partner BMLFUW Federal Ministry of Agriculture, Forestry, Environment and Water Management Forest Department Vienna, Austria	Project Partner 5 HOI Herman Otto Institute Ltd. Budapest, Hungary	Project Partner 9 EFA Executive Forest Agency Sofia, Bulgaria
Project Partner 1 AREC Agricultural Research and Education Center Raumberg-Gumpenstein Irdning, Austria	Project Partner 6 ROMSILVA National Forest Administration Bucharest, Romania	Project Partner 10 HGI_CGS Croatian Geological Survey Zagreb, Croatia
Project Partner 2 MA31 Municipality of the City of Vienna Department 31 - Vienna Water Vienna, Austria	Project Partner 7 NMA_RO National Meteorological Administration Bucharest, Romania	Project Partner 11 CTU Czech Technical University in Prague Prague, Czech Republic
Project Partner 3 UL University of Ljubljana Ljubljana, Slovenia	Project Partner 8 EPAC Environmental Protection Agency Covasna Sfântu Gheorghe, Romania	Project Partner 12 FVA_BW Forest Research Institute Baden-Württemberg Freiburg in Breisgau, Germany
Project Partner 4 JP_VO_KA Public Water Utility JP VODOVOD-KANALIZACIJA Ljubljana, Slovenia		

PARTNERS SUPPORTED BY THE INSTRUMENT FOR PRE-ACCESSION ASSISTANCE (IPA):

IPA Partner 1 JCI
Jaroslav Černi Institute for the Development of Water Resources
Belgrade, Serbia

ASSOCIATED STRATEGIC PARTNERS:

ASP 1 UA_FS Office of the Upper Austrian Federal State Government, Forest Service Linz, Austria	ASP 4 USAMV_FIFIM University of Agricultural Sciences and Veterinary Medicine of Bucharest, Faculty of Land Reclamation and Environmental Engineering Bucharest, Romania	ASP 7 CW Croatian Waters Zagreb, Croatia
ASP 2 S_FS Office of the Styrian Federal State Government Dep. 14 - Water management, resources and sustainability Graz, Austria	ASP 5 NATURSCHUTZBUND Stmk. Styrian League for Nature Protection Graz, Austria	ASP 8 RDV Republic of Serbia Ministry of Agriculture and Environmental protection Water Directorate Belgrade, Serbia
ASP 3 PMO Morava River Basin Brno, Czech Republic	ASP 6 SGAC Water Management System Covasna Sfantu Gheorghe, Romania	ASP 9 LWF Bavarian State Institute of Forestry Freising, Germany

Pictures:
BMLFUW / Petra HUBER (1); Elisabeth GERHARDT (4); Hans KIESSLING (2); Markus MAYERL (1); Johannes SCHIMA (7); all free of charge.

STRATEGIES

Land Use Development Plan [LUDP]

This transnational, catchment-based instrument serves as a strategy for function-oriented land use for the Danube River Basin and thus is a strategic outline for sustainable protection of water resources and mitigation of flood risk. It will be the main part of a Memorandum of Understanding, to be signed by notable representatives during the Final Conference in Vienna, Austria in June 2019.



TOOLS

Knowledge base

The transnational gap- and SWOT-analysis about current land use practices and their impacts on water management encompasses stakeholder needs and requirements concerning legislation, funding systems, financial instruments, the role of decision makers and knowledge transfer.

Guidance for the Danube Region for sustainable land use planning [GUIDR])

This transnational guidance paper can be considered as a decision support tool offering a set of best practices for a sound water management in an optimized quantitative and qualitative manner. It summarizes a common methodology and a vision for integrated water protection and flood prevention management.

Transferable implementation manual

Based on the experiences made within the Pilot Actions, this stakeholder tool-kit for an optimized steering of land use helps practitioners to implement GUIDR within their respective working sphere.

Transferable catalogue for politicians

Containing recommendations and joint standards for function oriented land use in terms of water protection and mitigation of flood-risk in the Danube River Basin this decision support tool helps politicians acting in their sphere of action and structuring competencies to facilitate the acceptance of LUDP. Furthermore this catalogue defines prospects for action for cross-regional and cross-sector coordination and solutions.



Guiding principles for adapted inclusion of LUDP

This tool serves as a road map considering the potentially necessary steps towards legislative concretisation on a national level in the partner countries. It supports the project efforts and on the other hand it represents a commitment towards an optimized and effective land use management with efficient organizational structures, regarding water protection and flood prevention.



PILOT ACTIONS

Within three different clusters the interdependences between land use/vegetation cover and three types of water resources will be investigated:

Cluster 1:

Land use / vegetation cover - protection of groundwater resources

Cluster 2:

Land use / vegetation cover along torrents, small rivers and their catchments - erosion, floods, soil compaction, surface runoff, invasive plant species and water pollution

Cluster 3:

Land use / vegetation cover along rivers - erosion, floods, soil compaction, surface runoff, invasive plant species and water pollution





LEARNING INTERACTIONS

Two series of stakeholder workshops

Within the first course of stakeholder workshops in each participating country current shortcomings in actual land use management practices are assessed and “hot spots” specified which define the whole working field of the project.

The second series of workshops serves as a durable implementation of the best management practices by means of trainings in each pilot area. Altogether this will foster capacity building and facilitate the application of the outputs of the project.

Three thematic pilot cluster coordination meetings

The first meeting drafts the pilot actions on a transnational scale for comparability on cluster- and project level.

The second pilot-workshop clarifies direct and indirect interventions for cross-checking the performances of the actions in the respective pilot areas.

The third meeting serves as a seminar for the project partners in order to enable them to transfer state of the art know-how to stakeholders.

Three Dialogues and workshops with relevant stakeholders

In selected pilot areas, cluster and pilot specific training-sessions for practitioners are established to communicate lessons learnt and to share know how and measures needed for field fit application. This leads to function-oriented, harmonized transnational land use management systems which aim at the protection of water resources and flood-prevention by reducing negative impacts of land use and climate change.





Interreg



Danube Transnational Programme

CAMARO-D

Pictures:

BMLFUW/Alexander Haiden (2); BMLFUW Bernhard Kern <+> (1);
BMLFUW/Land OÖ - Gewässerbezirk Linz(1); Kiessling (2); Schima (2);