

- IAH Post Congres Tour
  Ljubljana / 2nd October 2017
- Presentation of the PROLINE-CE project
- PROLINE-CE / PP4 University of Ljubljana / doc. dr. Barbara Čenčur Curk

#### **PROLINE-CE**



#### **PROJECT TITLE**

Efficient Practices of Land Use Management Integrating Water Resources Protection and Non-structural Flood Mitigation Experiences

Program: Interreg Central Europe 2014-2020

**Project** duration: 1.7.2016 - 30.6.2019 (3 years)

Lead partner: Austrian Federal Ministry of Agriculture,

Forestry, Environment and Water



## PROLINE-CE: PARTNERSHIP



13 project partners and 5 associated partners from 8

countries:

AT, DE, HR, HU, IT, PL, SI, SK

- > governmental institutions
- > water utilities
- research / educational institutions





#### PROLINE-CE: PARTNERSHIP



Austria

Slovenia

Hungary

Croatia

Italy **Poland**  German

**PP12** 

HRBM

Technical

University

of Munich

**AP14** 

Department of

Silviculture and

Mountain Forest

Slovakia

PP1 (LP)

**BMLFUW** 

Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management

PP2

**MA31** 

Municipality of the City of Vienna, MA31, Vienna Water

MWY Municipality of Waidhofen/Ybbs PP4

University of Ljubljana

UL

PP5

JP VO-KA Public Water

Utility VODOVOD-KANALIZACIJA Ljubljana

PP6

Herman Otto Institute

HOI

OVF General Directorate of Water Management PP8

**HGI-CGS** 

Croatian Geological Survey

AP16

Croatian Waters

PP9

**ARPAE** 

Reg. Agency for Prevention. Environment and Energy in Emilia-Romagna

PP13

CMCC

Euro-Mediterranean Centre on Climate Change Foundation

**PP10** 

**KZGW** National Water Management Authority

**PP11** 

**GPW** 

Silesian Waterworks PLC

**AP17** 

**AP18** 

University of Silesia

AP15

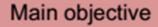
Global Water Partnership Central and Eastern Europe

Reg. Water Management Board



#### PROLINE-CE: OBJECTIVES





Improved protection of drinking water resources as well as protection against floods/droughts in an integrated land use management approach



Operationalisation of best practice strategies for water protection

Specific objectives



Strategies for the implementation of land-use management concepts for drinking water protection



Capacity building for relevant stakeholders and administrations through panel discussions, workshops and dialogues

#### Target groups

Local, regional & national public authorities; water suppliers; universities and research institutions; interest groups incl. NGOs; international organisations; general public; national park administrations and different services



## PROLINE-CE: WORK PACKAGES



# T1 - Capitalisation: Capacity building and stakeholder engagement

→ Review of the state-of-the-art of sustainable land use and best management practices for drinking water protection

(DPSIR analysis)

→ Identification of gaps

→ Proposal of measures

# T2 - Pilots: Implementation

PARTICIPATION OF PROPERTY OF P → Land use managament and implement in pilot areas

> Proposal of measures and actions for achiev drinking water management



actices

## PROLINE-CE: WORK PACKAGES



#### T3 - Synopsis: Vision and guidance

→ GOWARE-CE - Transnational Guide towards an Optimal WAter Regime (implementation of management of land use, flood, drought and drinking water source)

## T4 - Advancement: Strategi

→ DriFLU (Drinking Water/Flood)

declaration act, signed by no in order to bundle efforts tow ds a flood/drought management and push the activities conducted in PROLINE-CE

g and commitment

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## PROLINE-CE: T1 DPSIR



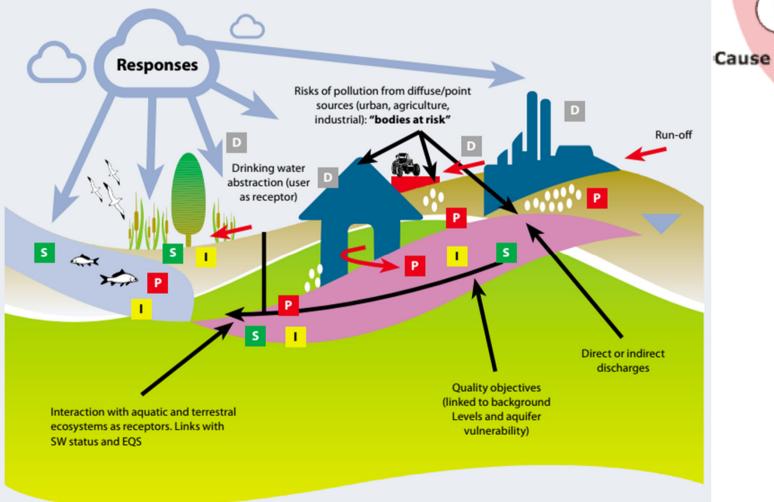
Responses

Solution

Problem

T1 - Capitalisation: Capacity building and stakeholder engagement

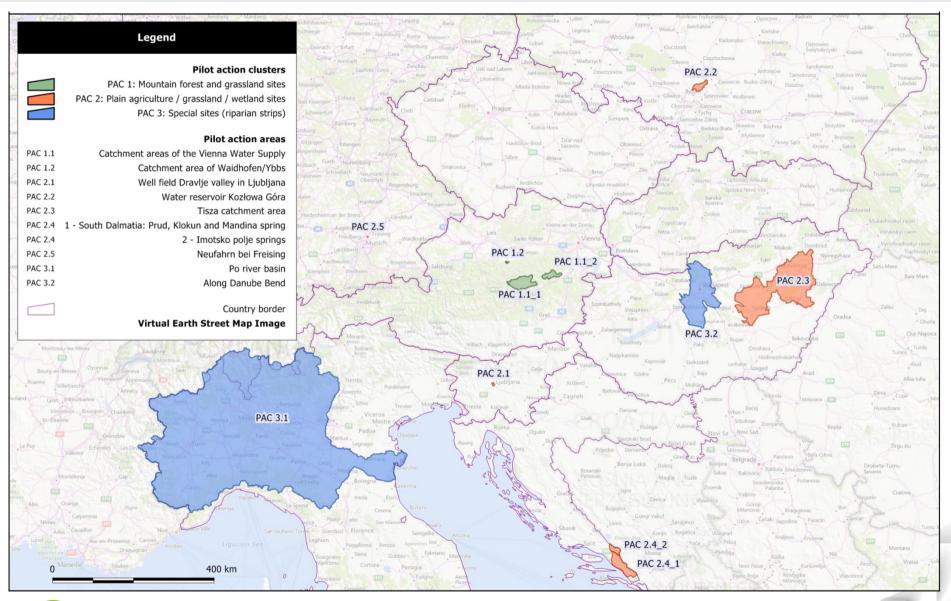
→ Land use impact on drinking water supply (DPSIR analysis)





#### **PROLINE-CE: T2 PILOT ACTIONS**

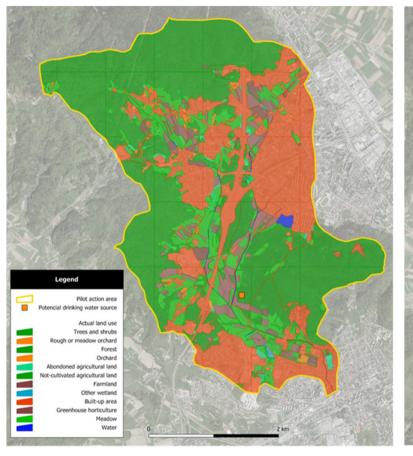


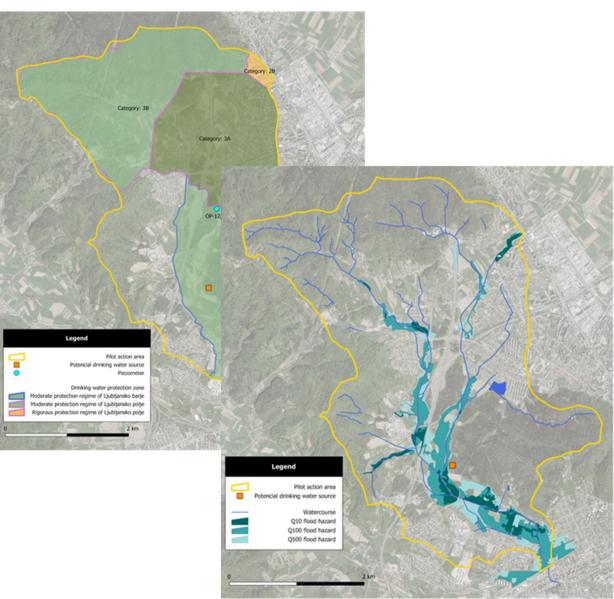




# PROLINE-CE: DRAVLJE VALLEY









#### **PROLINE-CE**



#### DRAVLJE VALLEY PILOT ACTION ISSUES

- →planned new (reserve) well field for Ljubljana drinking water supply
- → land use pressures and conflicts: settlement, highway, large open spaces adjacent to a Natural Park of hilly area
- → flood area with not properly regulated surface waters coming from hinterland: much of these waters are conducted to the urban sewage system, which in high waters cannot receive so much water;
- → more frequent flood discharges in the future due to climate change
- → harmonized land use and water resources management is a prerequisite for quality of life and drinking water in this area



# **PROLINE-CE**





