



PROJECT DATA SHEET

EU STRATEGY FOR THE DANUBE REGION. PILLAR 2. PRIORITY AREAS 4, 5, 6

A - Project Status

1. Project title (long title and acronym, if any)

Climate Change and Impacts on Water Supply - CC-WaterS

2. Main Priority Area and Action under Pillar 2 to which the project idea is to be submitted to

PA 4.13 To promote measures aimed at reducing knowledge deficits, developing and transferring tools, methods and guidelines concerning the safeguarding of drinking water supply

3. Other Priority Areas and Actions under Pillar 2 the project is contributing to (please select three at maximum). In case the project addresses also other Priority Areas, please list them in field 19.

PA 5.07 Anticipate regional and local impacts of climate change through research

PA 4.12 To strengthen general awareness and facilitate exchange of good practice in integrated water management issues in the Danube Basin among decision-makers at all levels and among the population of the Region

4. Current Project Phase

Project completed, already finished

B - Project description

5. Project relevance (Please outline the relevance and necessity from a macro-regional perspective. What are the benefits of the project for the implementation of the EUSDR?)

Climate change affects fresh water resources and may have significant impact on public drinking water supply. Land use activities exert pressure on water resources and are changing according to climate change. It is crucial for safeguarding future water supply to anticipate climate and land use changes and to assess their impacts on water resources. Danube Region is facing the challenge of ensuring water supply in a changing climate. Policy makers and water suppliers are required to develop sustainable management practice, considering existing and future effects of climate change. CC-WaterS identifies and evaluates impacts on availability and safety of public drinking water supply for several future decades. In order to achieve this goal in the most efficient way a multi sectoral and multi level approach is applied. The joint actions are performed on a transnational level in the Danube Region and in the Mediterranean representing different characteristic climates and topography.

6. Project general and specific objectives

CC-WaterS main objectives are:

to safeguard future water supply under conditions of climate change
to discuss, develop and test measures which support adaptation to climate change of water recovery techniques
to assess direct and indirect impacts of climate change
to develop methods and tools in order to quantify the regional and local extent of climate change.

7. Proposed project activities and their location(s). (Please list main and sub-activities). The most part of the project, its activities and its related impacts should be located in the Danube Region.

- Climate Change

Transnational Climate Database and Climate Scenarios

Development, Calibration and Validation of Downscaling Methodology

Generation of future climate data

- Water Resources Availability

Present water resources availability

Future water resources availability with regard to CC

- Water Resources Safety

Impact of existing land uses on water quantity and quality

Evaluation of CC-induced land use changes and its impacts on water resources

- Socio-economic Evaluation

Future water availability for public water supply

Estimation of economic consequences of future water availability and safety and emerging imbalances between different demands

- Water Supply Management Measures

Promotion of (new) legislative Rules and Guidelines

Adaptation of Water Supply Management System

8. Expected results and outcomes (Please use measurable indicators, where available.)

Monography of CC-WaterS
Student training courses
Set of meteorological variables in space and time for the future and uncertainties for predicted climate parameters
Experts and stakeholders with improved knowledge about water balance methodology and economic consequences of future water availability and safety and prepared for land use changes induced by CC Water Supply Management System

9. Target groups (Who is affected by the project results, who will use the project results?)

- End users: water suppliers
- Policy makers: water sector, climate change and spatial planning
- Spatial planners
- Researchers related to water and climate change, land use or spatial planning
- Stakeholders e.g. farmers, foresters, hydroenergy companies, touristic companies
- Broad public, informed about critical issues in order to participate in societal decisions.

10. Project timeframe (foreseen starting and ending date in mm/yy. If not available mention the duration in number of months)

05. 2009 – 04. 2012 (36 months)

C - Links to other Programmes/Policies

11. Link with other projects or actions already undertaken (if relevant please list the project title, acronym, name of Lead Partner, status of the project: financed, under implementation, closed, planned to be submitted, etc.)

FP (ADAM, CECILIA, CIRCE, ENSEMBLE, PRUDENCE, GLOWA) and national projects (UBA-REMO) for analysis of CC scenarios,
FP project WATCH, dealing with CC impacts on future vulnerability of water resources,
KATER and KATER II (INTERREG IIC, IIIB) dealing with land-uses affecting karst areas used for water supply: extension of the methodology to all water bodies and for SEE land use activities
No project is known, focusing on CC and impacts on public water supply. To gain added value, CC-WaterS will apply these results for public water supply.

12. Relevant international/EU directives and national legislation the project addresses (e.g. Water Framework Directive, EU Biodiversity Strategy). Also connections to relevant international organisations (e.g. ICPDR, WWF, Carpathian Convention) should be mentioned here.

The IPCC report (WG II "Impacts, Adaptation and Vulnerability Water Management", 2007)
Green Book of the EC "Adapting to Climate Change in Europe – Options for EU Action" 2007
Water Framework Directive & Groundwater Directive
Drinking Water Directive
Nitrate Directive

D - Project Budget and Funding
13. Approximate total project budget (in EUR)
Project budget: 4.219.727,00 € - ERDF contribution: 3.317.748,00 € - IPA contribution: 269.020,00 €
14. Potential sources of funding (if appropriate, indicate funding programme and specific call, as well as the amount of own sources available)
South East Europe (SEE) Transnational Cooperation Programme 1st call Priority 2: Protection and Improvement of the Environment Area of intervention 2.1: Improve integrated water management and flood risk prevention
E - Partnership and Contact
15. (Proposed) Lead Partner (Responsible institution/body)
Municipality of the City of Vienna MA31 - Vienna Waterworks AUSTRIA
16. Contact details of responsible person (Letter of Recommendation shall be sent to)
Mr. Gerhard Kuschnig Tel. +43 1 59959 31706 Mob. +43 676 8118 31706 Grabnergasse 6, 1060 Vienna, Austria gerhard.kuschnig@wien.gv.at
17. Project Partners (Name and country, Status committed to be involved / already involved)
Federal Ministry for Agriculture, Forestry, Environment and Water Management, Forest Department (Austria) Municipality of Waidhofen an der Ybbs, Waterworks Waidhofen an der Ybbs (Austria) Ministry of Spatial planning and Environment, Environmental Agency of the Republic of Slovenia (Slovenia) University of Ljubljana (Slovenia) Public Company for Water Supply and Waste Water Disposal Ljubljana (Slovenia) Central Directorate for Water and Environment, Department for River Basin Management (Hungary) Regional Administration of Molise, Environmental Protection Unit (Italy) Academy of Romania, Institute of Geography (Romania) National Meteorological Administration (Romania)
18. Project Partner wanted (please specify type and country / region of partners you are looking for)
not applicable

F - Closing remarks

19. Any other information considered relevant (e.g. information on predecessor project, resubmissions and reasons for rejection, status of project development, information on project meetings, public relations, involvement of policy making bodies etc.)

More information and results on the project website: www.ccwaters.eu

G - For PAC use only - Result of Assessment and Steering Group Decision