



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)

Water Quality Monitoring (WAQUM): Setting up methodological framework for testing, monitoring and neutralisation of non-biodegradable contamination in natural surface waters of the Danube region

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

PA 4.04 To continue boosting major investments in building and upgrading urban wastewater treatment facilities across the Danube Basin, including measures to build capacity at the regional and local level for the design of such infrastructure

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 4.07 To legislate at the appropriate level to limit the presence of phosphates in detergents

PA 4.09 To assure the proper control and progressive substitution of substances that are considered problematic for Danube Region

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 in preparation (e.g. project proposal, feasibility study)

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?)

Accordingly to the Water Framework Directive Member States should provide highest ecological and chemical status for surface waters. The Waste Water Directive sets standards on basic principles and methods of waste water treatment. Currently available biological wastewater (secondary) treatment solutions are able to reduce quantities of organic materials up to 90%, but high number of biologically active compounds, drug residuals, EEDs and pesticides remain in significant concentration in the effluents. Monitoring of surface water quality and drinking water with respect to these compounds will be mandatory in EU member states after 2020. Although available laboratory methods are proved to be effective for monitoring, for the time being there is no commercially available, cost-effective system for removing these substances.

Due to nature of the Danube river, transnational cooperation is essential. The project is in line with PA4 of the EU Strategy for the Danube Region.

6. Project general and specific objectives

General objective: ensure the sustainable, long-term use of water resources in the Danube region.

Specific objectives: improvement of waste water management policies in the Danube region; setting up methodological framework of a new generation waste water management system; assessment of available technologies and R&D&I needs in order to upgrade wastewater monitoring and treatment systems.

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.

WP3. Policy analysis and improvement: overview of EU legislation, national policies, transnational policy initiatives. Country-specific policy documents will be developed aiming at implementation.

WP4: Methodology framework of the monitoring system: definition of the group of compounds to be analysed; definition of the methods of data providing on the selected compounds; definition of measurement methods, setting joint standards for measurement and data management.

WP5: Technology assessment: available solutions (monitoring or advanced treatment methods) and their assessment, definition of areas of transnational research and development.

WP6: Pilot actions: pilot in-field measurements and other actions.

<p>8. Expected results and outcomes (Please use measurable indicators, where available.)</p> <p>WP3: National policy and Danube area policy screening document; national action plans; policy implementation study.</p> <p>WP4: Compound analysis; data providing framework; measurement standards; Methodology Framework.</p> <p>WP5: Technology practice factsheets; assessment of technical solutions; project fiches of transnational R&D initiatives; handbook of technical solutions.</p> <p>WP6: Pilot action reports.</p>
<p>9. Target groups (Who is affected by the project results, who will use the project results?)</p> <p>Direct target groups: environmental policy makers, national decision makers, researchers, water quality management professionals.</p> <p>Indirect target groups: environment protection civil organisations (NGOs), water management bodies of regional and local governments, local and regional decision makers, the general public (water consumers).</p>
<p>10. Project timeframe (foreseen starting and ending date in mm/yy. If not available mention the duration in number of months)</p> <p>Project start date depends on the implementation of the 1st Call of Danube Transnational Programme. In case of positive funding decision the project may start in the end of 2016. Project duration: 30 months.</p>
<p>C - Links to other Programmes/Policies</p>
<p>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.)</p> <p>The project proposal is no direct follow-up of any other EU-funded operation, however, builds on the results of prior thematically related research projects, most recent is "Pharmaceutical Products in Environmental Waters (KNAPPE - 6th Framework Programme, 2007-2008).</p>
<p>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.</p> <p>Water Framework Directive (2000/60/EC)</p> <p>Decision No 2455/2001/EC on priority substances</p> <p>Directive 2008/105/EC on environmental quality standards in the field of water policy</p> <p>Waste Water Directive (81/271/EEC)</p> <p>ICPDR has been invited as project partner (under confirmation).</p>

D - Project Budget and Funding
13. Approximate total project budget (in EUR)
2500000
14. Potential sources of funding (if appropriate, indicate funding programme and specific call, as well as the amount of own sources available)
Interreg Danube Transnational Cooperation Programme
E - Partnership and Contact
15. (Proposed) Lead Partner (Responsible institution/body)
STRDA South Transdanubian Regional Development Agency Nonprofit Ltd.
16. Contact details of responsible person (Letter of Recommendation shall be sent to)
STRDA South Transdanubian Regional Development Agency Nonprofit Ltd. 7621 Pécs, Mária u. 3., Hungary Legal representative: SITÁNYI László dr., tel.: +36 82 527984, +36 30 2271752, sitanyi.laszlo@ddrfu.hu. Contact person: PÁMER Zoltán; tel.: +36 72 513761, +36 30 6644894, pamer.zoltan@ddrfu.hu.
17. Project Partners (Name and country, Status committed to be involved / already involved)
Lead Partner: - South Transdanubian Regional Development Agency (HU). Partners already expressed their willingness in participation: - University of Ulm (DE BW), Institute of Micro and Nanomaterials. - University of Stuttgart (DE BW), Institute for Sanitary Engineering, Water Quality and Solid Waste Management - National Institute for Research and Development in Environmental Protection (RO) Possible project partners to be confirmed: - Ecology Research Centre of the Hungarian Academy of Sciences (HU). - Environment Agency Austria (AT). - Serbian Environmental Protection Agency (SRB), Institute for Biological Research.
18. Project Partner wanted (please specify type and country / region of partners you are looking for)
Further partners needed from Slovakia, Bulgaria, Austria (in case of lacking confirmation from Austria). Desired total number of partners: 6-8.

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.)
None.
G - For PAC use only - Result of Assessment and Steering Group Decision