



REPORTING FORM

FOR THE IMPLEMENTATION OF THE CROSS-BORDER PILOT ACTION PROGRAM FOR THE REINFORCEMENT OF THE TRANSITIONAL WATERS ENVIRONMENTAL INTEGRITY ARTWEI PROJECT COMPONENT 3

1. **Name of the cross-border Transitional Waters Area:** Curonian Lagoon
2. **Pilot action themes of the cross-border pilot action program:**
 - Cross-border coastal and aquatic NATURA 2000 management and EU Water Frameworks Directive implementation
 - Cross-border spatial planning/ Strategic Environmental Assessment issues
 - Baltic Sea Action Plan implementation in the SBTW areas
 - Sustainable and cross-border integrated management of TW resources
 - Cross-border eutrophication (and/or water quality modeling)
 - Cross-border data and information exchange
 - Cross-border mussel farming as a tool for practical implementation of EU Water Framework Directive
 - Cross-border fisheries control
 - Other cross-border pilot action themes:.....
3. **List of stakeholder institutions participating in the implementation of the cross-border pilot action program:**
 - Atlantic Branch of the Institute of Oceanology of Russian Academy of Sciences
 - Klaipėda University Coastal Research and Planning Institute
 - Kaliningrad State Technical University
 - EUCC Baltic States Office
4. **Objectives of the cross-border pilot action program.**
 - A. Holistic evaluation, cross-border monitoring, simulation and forecast of ecological processes influencing water quality in the Curonian Lagoon
 - B. Development of a dedicated cross-border information system for the Curonian Lagoon.

5. Actions for the implementation of the cross-border pilot program:

- Coherent cross-border practical field actions
- Creation of joint databases and/or maps
- Joint cross-border fostering of sustainable utilization of TW ecosystem good and services
- Dedicated IT programming and modeling
- Spatial planning / Strategic Environmental Assessment procedures
- Institutional / organizational actions (establishing cross-border task groups etc.)
- Public awareness and capacity building actions (stakeholder training etc.)
- Scenario simulation exercises and / or games
- Other methods:

6. Key result indicators:

- Number of cross-border solutions applied to tackle TW environmental integrity problems 1 - (simulation of various cross-border scenarios and actions influencing ecological processes in the Curonian Lagoon)
- Number of innovative tools applied to tackle TW environmental integrity problems 1 - (simulation model)
- Number of coastal inhabitants in both countries sharing the area benefiting from the action = not assessed
- Number of stakeholders with improved capacities as a result of the action 4 – experts from stakeholder institutions
- Percentage of stakeholders in both countries satisfied with the results of the action – not assessed

7. Conclusions / Lessons learned for the future cross-border actions

There is a need to develop a dedicated cross-border database on the key parameters determining ecological processes influencing water quality in the Curonian Lagoon. There must be clear procedures and agreements among all participating stakeholders who is doing what, i.e., who hosts the database, who submits what data and how regularly, who is eligible to use the data and the results of the modeling. The modeling effort was implemented as a cross-border pilot action program for the Curonian Lagoon within a broader ARTWEI project. Yet, a general conclusion is that a further development of the cross-border simulation model and maintenance of the database for the assessment and forecast of ecological processes influencing water quality in the Curonian Lagoon needs a separate cross-border cooperation project with this task in the center of the focus.