

Goal of the project: protection of cultural regional heritage by means of a novel scientific tools consisting of identification of the pollution risk.

Short description of the project:

Transboundary pollution is a natural phenomena, specific to vicinity regions, generated by national sources, under the influence of shared climate. The specific target regions (two counties) share the footprint of both nations and are of joint interest concerning raising the environmental awareness. The project demonstrates that a high level of environmental performance provides a long term competitive advantage, as it is focusing on establishing of the cross border pollution impact assessment versus the cultural & touristy natural heritage.

Project implemented by: The Department for Mechanic Machines, Equipment and Transportation from UPT in partnership with University of Szeged from Hungary and Diaspora Foundation from Romania.

Implementation period:

01.04.2012 - 31.03.2013

Main activities: Cultural, architectural & touristy sites identification in Timis/Csongrad area - identification and recording of important/relevant sites belonging of the cultural, architectural and touristy cross-border heritage; In-situ air quality monitoring campaigns in order to establish by direct pollutant concentration measurements (CO, NOx, SO2, O3, PM10 and VOC) the site air pollution and possible risks; Simulations/predictions of air pollutants impact on cultural/architectural/touristy sites.

Research centre for Thermal Machines and Equipments, Transportation and Environmental Pollution Control

Results: Action plan needed for both counties, Timis and Csongrád, and include cultural and architectural sites from both parts of the border; iso-concentration charts/maps were achieved for both counties, for the first time, including specific important sides on it, targeting the trans-boundary impact, as well of common interest.



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Research team:

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"A people without the knowledge of their past history, origin and culture is like a tree without roots."

Marcus Garvey