

Co-Creation and Co-Design of Solutions for Raising Awareness and Consolidation Resilience of Communities for Adaptation to Climate Change

Georgiana Bercaru ^{1,*}, I. Sirodoev ¹, E. Tuşa ¹, E. Mamut ¹

¹ Ovidius University of Constanta

* Correspondence: insae@univ-ovidius.ro;

Received: 7.08.2025; Accepted: 21.09.2025; Published: 16.11.2025

Abstract: The impact of climate change is very diverse, and there are consequences of different magnitudes and impacts. In the project DTEClimate, the aim is to evaluate the impact of climate change on the communities located in the neighbourhood of sweet water lakes, Black Sea coastal area, and other aquatic ecosystems. As a pilot case, the Siutghiol Lake neighbourhood has been selected, which consists of four administrative units: Constanta municipality, Ovidiu, Navodari, and Lumina. The paper summarizes the results obtained in the process of consultations and collaborative activities with the representatives of the communities and of different other stakeholders for the identification of the tangible consequences of climate change in relation to Lake Siutghiol, defining causalities, prioritizing, and co-creation and co-design of possible solutions. The scientific investigation instruments used, the results, and the proposed solutions are presented.

Keywords: Climate Change Impacts; Siutghiol Lake; Stakeholder Consultations; Community Adaptation; Co-designed Solutions.

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