LIFE +
Environment Policy & Governance

Annex C.3.3
Integrated report with the socioeconomic evaluation of the management plans

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LIFE CONOPS (LIFE12 ENV / GR / 000466)

Development & demonstration of management plans against - the climate change enhanced - Invasive Mosquitoes in S. Europe

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LIFE CONOPS' Participating Beneficiaries:

Benaki Phytopathological Institute (Coordinating Beneficiary)
Agricultural University of Athens
Azienda Sanitaria Locale Cesena
Azienda Unità Sanitaria Locale Ravenna
Centro Agricoltura Ambiente "G.NICOLI" S.R.L.
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1. Abstract

Climate change trends along with the intensified transportation of people and goods favor the entrance of invasive mosquitoes species (IMS) in places where only accidental entrance was previously recorded. At the same time budgetary financial constraints suggest a rigid justification of the prevention funds allocated to mosquito control. One aspect of this justification is the evaluation of the benefits induced by prevention measures. The present report evaluates various categories of costs and benefits induced by the implementation of management plans targeted to the control and prevention of invasive mosquito species in Greece and Italy. Those two countries, consist a representative case of a vulnerable Mediterranean ecosystem where the problem of mosquitoes has been recently intensified. The study is based on a mixture of methodological approaches, including the choice experiment method for the elicitation of benefit levels, citizen's surveys on the overall socioeconomic impact of the problem and a survey targeted to stakeholders' and experts' for the identification of qualitative parameters associated with the prevention and control of invasive mosquitoes. The analysis evaluates in monetary terms the potential benefits of improved mosquito control programs and attempts to compare them with various cost categories associated with the mosquito problem from both a citizens' and an experts' point of view. The empirical findings form a basis for a cost-benefit evaluation of the current prevention programs and the design of improved mosquito management plans, as well as for the suggestion of policy proposals based on various future scenarios related to the spread of invasive mosquito species and related epidemics.