

LIFE + Environment Policy & Governance

ANNEX A.3.1

Deliverable A.3: Report of the private (households) impacts and costs caused by the 'IMS problem'

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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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SUMMARY

BACKGROUND: The problem of the Asian tiger mosquito (Aedes albopictus) is associated with the risk of transmission of arbovirus diseases and increased levels of nuisance. These effects urge households to incur further (from public control programmes) private expenses for the confrontation of this particular problem. The aim of the present report is to estimate the level of household's private expenses through the conduct of a small scale survey in selected parts of Greece and Italy. The survey was implemented in November 2014 and was conducted in two geographical levels, Greece and Italy. Questionnaires were partly distributed though the web as well as in hard copy.

RESULTS: Results of the Greek case indicate a higher disturbance during the night time and an average private spending of $6 \in to 20 \in for$ the confrontation of the mosquito problem. It is difficult to draw conclusions regarding the percentage of expenditures (in the private level) for the problem of the Asian tiger mosquito, however there seems to be a low association with the specific problem in Greece. On the other hand, the main results for the Italian case show a higher association with the problem of the Asian tiger mosquito and the average amounts of costs per household range from $11 \in to 50 \in$. It should be noted, that Italy and specifically the Region of Emilia Romagna have been affected by Chikungunya virus and also the fact that most of the respondents were well aware of the problem before the conduct of this survey.

CONCLUSION: Different levels of expenses were found for Greece and Italy and the results indicate that nuisance is the main factor for which households take extra control measures. This might indicate an association with the problem of the Asian tiger mosquito which is recorded to be responsible for increased nuisance in outdoor and leisure activities. However, the aim of LIFE CONOPS scientific team is to continue with estimations of more precise indexes of the economic magnitude of the Asian tiger mosquito through a well-designed survey using specialized methodological tools based on contingent valuation.