



LIFE17 GIE/IT/000562

ANCHOR Life

Advanced Noise Control strategies in HarbOuR

Definition of a suitable socio- economic indicator

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Author(s)	<i>Giuseppe Marsico, ISPRA</i>



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1. Executive Summary

This report aims at defining a set of socio-economic indicators to assess the impact of noise reduction and containment actions deriving from noise pollution in ports, in terms of growth and improvement of the perceived quality of life.

The assessment of the socio-economic impact will be carried out taking into account the following aspects:

- The particular infrastructural configuration of the three ports involved in the project - Livorno, Patras and Melilla - located at the center of the urban area that includes residential buildings, accommodation facilities, schools, local administrations and health institutions (project target);
- The actions of the project aimed at training and raising awareness of the strategies to implement for the management of environmental problems due to noise pollution, as well as for the dissemination and promotion of experiences between project partners.



2. Methodological approach

In order to link the empirical evidence of the perceived quality of life to the activities carried out for the project, it was provided to adopt approaches to participatory evaluation, based on the reconstruction of the objectives of local development policies that can be defined as "placed-based", i.e. according to the specificities of the territories. The research strategy adopted requires the involvement of all the stakeholders involved in the local development processes: Port Authorities, local administrations, social enterprises, educational and health institutions, as well as port operators who participate in all phases of the policy implementation.

In particular, the methodology of the evaluation plan will focus on the direct involvement of all project partners, through the use of qualitative methods and techniques of social research. In this regard, direct and semi-structured interviews will be provided, in videoconference mode, addressed to institutional and local community subjects.

The aforementioned subjects will be asked to summarize the main "dimensions" – connected to the process of containing acoustic emissions in the three ports - and referring to the following aspects:

- 1) Improvement of the usability of places
- 2) Sustainable development
- 3) Positive effects on the local economy



3. Investigated dimensions of perceived quality of life

3.1 Improvement of the usability of places

This dimension of investigation consists in evaluating the impact of noise reduction strategies on living conditions, behaviors and social relations.

Specifically, the evaluation plan will involve the involvement of communities of professional practices, with a focus on the subjective dimension of “job satisfaction”, to reconstruct the latent aspects of work well-being and estimate the overall quality of work perceived by port operators

3.2 Sustainable development

The second dimension of the investigation is aimed at assessing the impact of acoustic mitigation measures, enhancing the value of real estate assets and strengthening the ways of cooperation between public and private entities (Port Authorities, local administrations, schools and private companies) aimed at developing and spreading green culture, e.g. number of green events and events designed and managed in collaboration with the Port Authority.

3.3 Economic growth

The third evaluation dimension concerns the impact deriving from noise pollution on the economic growth of accommodation facilities, due to the improved usability and facilities offered by ports and urban configuration, with the involvement of local institutions, eg. departments for economic activities and tourism



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Project Officer: GIUSEPPE MARSICO

Address:	Via Vitaliano Brancati, 48 – 00144 Rome (I)
Phone:	+39 06 50072823
Fax:	+39 06 50072053
Mobile:	-
E-mail:	giuseppe.marsico@isprambiente.it

Project Coordinator: GIUSEPPE MARSICO

Address:	Via Vitaliano Brancati, 48 – 00144 Rome (I)
Phone:	+39 06 50072823
Fax:	+39 06 50072053
Mobile:	-
E-mail:	giuseppe.marsico@isprambiente.it