

Impacts on income and employment arising from the LIFE IP INTEMARES project

Baseline Report

March 2020

LIFE IP INTEMARES

Integrated, innovative and participatory management of the marine Natura 2000 Network in Spain



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Coordination and review: Biodiversity Foundation, under the auspices of the Ministry of the Ecological Transition and the Demographic Challenge.

Edit: the LIFE IP INTEMARES project, which is coordinated by the Biodiversity Foundation under the auspices of the Ministry for the Ecological Transition and the Demographic Challenge, has the aim of achieving efficient management of the Natura 2000 Network marine sites, with science and active participation of the sectors involved.

The Directorate General of the Coast and Seas, under the auspices Ministry itself, the IEO, the Spanish Fishing Confederation, SEO/BirdLife and WWF-Spain all participate as partners. The project has the financial support of the European Union LIFE programme, among other sources of financing.



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Date of issue: April 2020

Executive Summary

Over the course of this report, we will calculate the impacts on income and employment arising from the spending provided for in the LIFE IP INTEMARES project, which were presented and approved by the European Commission. These results will form the baseline that allows us to evaluate the socio-economic impact on the economy and population over the course of the development of the project.

To do that, the steps established in the protocol drafted to such effect will be followed, using the Input-Output methodology based on the multipliers estimated by the National Statistics Institute (INE) for the sectors of activity comprising the National Accounting of the Spanish economy, which enable us to estimate the total impact on the domestic economy generated by every euro spent.

Firstly, the direct impacts of the income resulting from the sum of spending on good and services, the management and personnel costs of the project were calculated, amounting to 49.8 million euros, as per the project budget.

Secondly, the indirect impacts on income were estimated. For this, the indirect spending vector was calculated, derived from the spending on goods and services and project management, with project costs broken down across the sectors of the economy. Once this vector is obtained, it is multiplied by the coefficients of the multiplier matrix of the input-output tables, estimating an indirect impact of 29.8 million euros.

Thirdly, the induced spending vector has been estimated, which arises from the spending on personnel, with these costs are also broken down across the economic sectors. Subsequently, this vector is multiplied by the matrix coefficients of the input-output tables with the estimated result of 11.2 million euros of induced impact on income.

The total impact of project spending on income is calculated as the sum of direct, indirect and induced impacts, with an estimate result of 91.8 million euros.

As with income, the total impacts on employment arising from the spending of the LIFE IP INTEMARES project, are calculated by combining direct, indirect and induced employment.

Direct employment is comprised of the jobs forecast in the 49 actions of the project which reaches a total of 1,877 workers/year, resulting from the sum of persons

employed directly (256 workers/year) and those arising from the contracting of goods and services and project management (1,261 workers/year). For its calculation, the ratio of 215 days of work per year is used, as set out in the project development guides.

In addition, the indirect jobs arising from indirect project spending, obtained from the array calculation of the vector multiplier or the employment coefficients and the multipliers of the input-output tables and the indirect spending vector. The result is an additional 1,135 workers/year.

Finally, to calculate the induced jobs, the same procedure is followed but using the induced spending vector in the array multiplication, which gives us a result of 448 workers/year.

With these figures, total estimated employment with the project budgets would be 3,460 workers/year.

Table 1 Impact on income and revenue of the baseline LIFE IP INTEMARES project

	Total	Hired personnel	Direct spending on personnel	Indirect	Induced
Income impacts	€ 91,818,598	€ 9,842,715	€ 39,935,837	€ 29,893,784	€ 12,146,262
Distribution %		10.7%	43.5%	33%	13%
Employment impacts	3460	256	1,621	1,135	448
Distribution %		6.2%	39.5%	28%	11%

Conclusions

Applying the methodology put forward in the Protocol for the evaluation and monitoring of the socio-economic impact on the economy and population of the LIFE IP INTEMARES project, a baseline has been estimated that will allow us to measure the evolution of the project by comparing spending and employment expected to be generated with the initial real budget of the project, with the real spending and employment to be generated at different times.

In this regard, it is expected that starting from a budget of €49,778,552 at the end of the project, at least €91,818,598 of income and 3,460 jobs/year are generated.

Initially, the 5 sectors of the economy in which the project generates the most income are, in order, the following:

- Scientific research and development services
- Other professional, scientific and technical services; veterinary services
- Education services
- Food products; beverages; tobacco products
- Public administration and defence services; compulsory social security services

This distribution will vary over the course of the project depending on the real costs that arise.

The final results of the impact on income and employment of the budgeted spending serve as a reference for the economic impact of the LIFE IP INTEMARES project, as in addition to these, we must add the impacts arising from the implementation of the measures designed to achieve a more sustainable management of the marine areas of the Natura 200 Network, the calculation of which is much more complex given the uncertainty of the final effect achieved for all the actions developed as part of the project.