LIFE24-PRE-IT-LIFE-MAPPER

Guidelines for **MAP**ping, **P**rot**E**cting, and **R**estoring Marine Ecosystems

Milestone	MS8: Costing excel workbook draft
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MS 7: Cost Database template	Security: public
WP4: Assessing restoration costs	Version: 1.0

History of changes			
Version	Date	Change	Page
1.0			
1.0		Upload by coordinator	

Milestone description

Based on the database of the costs of marine ecosystem restoration collated under D4.1, the Cost Assessment Framework being developed as part of task 4.2, and past studies such as Bayraktarov et al. (2015), Scott et al. (2021)[1], and projects such as Climarest, REDRESS and MERCES, an Excel workbook is been developed to allow restoration practitioners to estimate their project costs ex-ante, or keep track of their project costs ex-post, across all stages of a restoration project. The workbook includes a worksheet with basic instructions for completing the cost sheets, a worksheet for describing the restoration scenario and a Timeline worksheet where the user is asked to indicate the main phases in their restoration project as well as when they start and when they end (months). Following these are the three main costing worksheets. Based on the framework of task 4.2, these worksheets break costs down by the phases of the restoration effort; pre-deployment, deployment and post-deployment. Within each deployment phase worksheet, costs are calculated for each restoration project (Trip(s)/Activities) using the categories of Labour costs, Vessel costs, Equipment/Capital Costs Consumables and Administration Costs. An overhead cost is also estimated as a percentage on labour costs in each worksheet. A final worksheet automatically summarises the total costs from each phase of the restoration project and provides a total project cost result.

Example Worksheet

Post-deployment expenses

By post-deployment we mean the phase that follows the actual transplantation/placement of structures, such as monitoring progress, maintenance, and enforcement of acc
monitoring (if multiple methods of different frequency decribe each on a seperate row under 'Activity').

Note in "SUMMARY TABLE" below, the final column (Tota Costs (€)) fills automatically once cost category tables lower down completed

SUMMARY TABLE

Activity	Start Month	End Month	Total Cost (€)
Post-deployment Trip(s)/Activities - Labour Costs			€ -
Post-deployment Trip(s)/Activities - Vessel costs			€ -
Post-deployment Trip(s)/Activities - Equipment/Capital Costs			€ -
Post-deployment Project Administration Deployment Costs			€ -
Project Overheads			€ -
Total			€ -

1. Monitoring and Maintenance

Labour Costs (salary)

Staff Type	n (staff)	Cost/day	% of each day spent on activity	Total Staff Days	Total	Notes
Consultant	0	€0.00	0%	0	€0.00	
Research Staff	0	€0.00	0%	0	€0.00	
Research Students	0	€0.00	0%	0	€0.00	
Local Coordinator	0	€0.00	0%	0	€0.00	
Total	-	-	-	**0**	**€0.00**	

Vessel

Vessel cost (includes fuel, crew + skipper)	Cost/day	% of each day spent on activity	Total vessel days	Total
Vessel 1	€ -	0%	0	€ -
Vessel 2	€ -	0%	0	€ -

E. Deployment Expenses | F. Post-deployment Expenses | Total Costs Summary

[1] Bayraktarov, E., Saunders, M., Abdullah, S., Mills, M., Beher, J., Possingham, H., et al. (2015). The cost and feasibility of marine coastal restoration. Ecol. Appl.26, 4, 1055–1074.
Scott, R., Suggett, D., Hayward, C., Chatterton, B., Edmondson, J., Gaskell, J., et al. (2024). Early-stage outcomes and cost-effectiveness of implementing tourism-led coral propagation and outplanting in the Whitsundays (Great Barrier Reef). Frontieres in Marine Science, 11:1418784.