



Project Title	BYTHOS: SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACT ASSESSMENT FOR THE INTERREG V-A ITALIA-MALTA							
	Country	Contract value (€)	% carried out by Epsilon	No of staff provided	Client	Origin of funding	Date (start/end)	Consortium Members
	Malta	€39,900	100%	5	University of Malta (Contracting Authority for BYTHOS WP6)	Interreg V-A Italia-Malta 2014–2020 Programme (co-financed by ERDF)	2020 - 2021	EMCS Ltd (Malta), EPSILON Malta Ltd (Technical Subcontractor)

Description of the project	Services provided
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The BYTHOS project aimed to evaluate the sustainable exploitation of fish waste for the extraction of bioactive molecules (BAMs) and marine collagen for applications in health, cosmetics, nutraceuticals, and agri-food industries. EPSILON, acting as a subcontractor to EMCS, led the socio-economic and environmental impact assessments under WP6 of the project.

The Environmental Impact Assessment (EIA) quantified the volume and sources of fish waste across the catering, aquaculture, and retail sectors in Malta. It included Life Cycle Assessment (LCA) modelling for BAM extraction and explored mitigation strategies for sustainable waste management.

In parallel, the Socio-Economic Impact Analysis (SIA) assessed the broader implications of the project on communities, focusing on job creation, SME opportunities, gender equality, and local development. Special attention was given to impacts on youth and women, barriers to adoption, and alignment with the EU Bioeconomy Strategy. The findings were consolidated into a Final Report, supported by stakeholder interviews, desk research, and workshops. The project culminated in a clustering and dissemination event at the University of Malta, enhancing visibility and policy dialogue on marine biotechnologies in the region.

- Environmental Impact Assessment (EIA)
- Life Cycle Assessment (LCA) on marine BAM extraction
- Waste management modelling and policy recommendations
- Socio-Economic Impact Analysis (SIA)
- Stakeholder engagement, focus groups and surveys
- Final technical reporting and presentation
- Participation in project clustering and dissemination

