

Lebanon Sediment Management Project								
Name of legal entity	Country	Overall project value (EUR)	Proportion carried out by candidate (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of partners if any
Sustainable Seas Ltd	Lebanon	12,000	100%	1	WS Atkins International Ltd	European Union	August 2014	N/A
Detailed description of project					Type of services provided			
<p>Coastal sediment provides many beneficial uses for humans and wildlife. Sand and gravel provide habitat for various wildlife species that use streams and beaches, while sand also provides recreational beach space for humans, lateral beach access, and shoreline protection. Additionally, silt and clay from river substrates supply needed nutrients for nearshore habitats. Sand and gravel, extracted from in-stream, back-beach and offshore sources, is used by the construction industry for infrastructure development. Easy access to this important construction material has been a factor in the economic growth of many coastal nations.</p> <p>In the context of the TA activities proposed for the Integrated Maritime Policy for the Mediterranean , TA4 involves the preparation of ToRs for a study on sedimentation issues in coastal areas and the development of a national strategy to address a key problem in Lebanon. This project was required based on a discussion with the Lebanese counterparts highlighted that a key problem relating to the rules and regulations applied to sand (maintenance) dredging in specific areas where this is required for navigation.</p> <p>A previous tendering process, that was launched to recruit dredging services, was interrupted in 2004 because of national disputes. Sustainable Seas Ltd were contracted to undertake a study that could provide advice and support to the Lebanese government in finding the most suitable approach towards the identification, management and use of coastal sand resources.</p>					<p>Sustainable Seas Ltd was responsible to conduct a desk study on appropriate sand extraction and management practices. The outcome of the study shall be a report that completes the following tasks :</p> <ul style="list-style-type: none"> <li>• a review of international best practice in terms of managing near-shore coastal sediment resources (e.g.: reservoirs) and associated shoreline management policies that (as a result) focus on addressing coastal erosion risk.</li> <li>• Provide a description of the current understanding of sediment budget processes (input sources, output loss and any throughput barriers such as dams, including the impact of climate change on these coastal processes based on the most recent research and understanding.</li> <li>• Explain methodologies and techniques (studies to be implemented) that may be needed to fully understand and illustrate the above issues for the Lebanese coast.</li> <li>• Assess international best practices and (if available) case studies that demonstrate good and bad coastal sand resource management practices and principles (including extraction/ dredging operations as appropriate).</li> </ul>			