

| Formulation of Guidelines for Climate Risk Resilient Coastal Protection in the Maldives  |          |                             |   |                      |  |                   |                              |  |
|--|----------|-----------------------------|---|----------------------|--|-------------------|------------------------------|--|
| 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                  |
| CTL Consult Ltd (team leadership from Sustainable Seas Ltd)  | Maldives | 99,960.00                   | 45%                                     | 3                    | Ministry of Energy and Environment   | UNDP              | September 2012-February 2013 | Alan Mills Consulting<br>CTL Consult Ltd |
| Detailed description of project  |          |                             |   |                      | Type of services provided  |                   |                              |  |
| <p>The small lying atoll islands of the Maldives are highly vulnerable to flooding and coastal erosion. A large proportion of settlements, including a high proportion of the population are situated within 100m of the shoreline. Climate change effects are likely to cause many negative problems such as storm surges, sea level rise etc., affects will also be noticed with changing weather patterns. These in turn will put increasing pressure on the coastal zone and increase coastal erosion placing added pressure on the already scarce land resources thus increasing the physical vulnerability of island populations, infrastructure and livelihood assets. Although changing climatic conditions causes severe threats to Maldivian communities, the largest threat posed is that of an absence of systematic adaptation planning and practice.</p> <p>UNDP-Maldives support is being used to enable the Government of Maldives to systematically assess the costs and benefits of different adaptation options in the fields of land use planning and coastal protection, and to develop the necessary institutional and individual capacity at national, Province, atoll and island levels to enable decentralized and well informed decision making.</p> <p>Jonathan McCue was commissioned as Team Leader to help formulate Guidelines for climate risk resilient coastal protection planning in the Maldives through a participatory approach and with recommended amendments regulatory tools (e.g. Land Use Planning and Environmental Impact Assessment (EIA), Environment Protection and Preservation Act (EPPA), National Building Code, Maldives National Building Act and Maldives Land Act) to better address climate change adaptation. The production of the Guidelines is the first funded output of the Maldives NAPA process.</p> |          |                             |   |                      | <ul style="list-style-type: none"> <li>Review development targets to be achieved with respect to climate change resilience and risk mitigation and the climate change risk scenarios.</li> <li>Assess past and current development practices and coastal protection measures that have had negative impacts such as reduced natural resilience of the islands and increased vulnerability of the islands to climate change risks</li> <li>Review the existing coastal development planning process, engineering designs and, construction implementation and monitoring processes and practices for coastal constructions including land reclamation, harbour development, erosion prevention and other coastal protection measures.</li> <li>Review the existing EIA process and other policy and legal frameworks for coastal development planning and implementation.</li> <li>Formulate objectively verifiable, quantitative standards for coastal land use with respect to coastal development . Prepare guidelines for climate risk resilient coastal protection.</li> <li>Provide an objective quantitative performance monitoring and evaluation framework for monitoring delivery of the proposed standards.</li> </ul> <p>Conduct high level stakeholder meetings to present and endorse the Guidelines for Climate Risk Resilient Coastal Protection in the Maldives.</p> |                   |                              |  |