

Ref. no: 20-P	Project title	<u>Life Cycle Assessment for Selected Buildings of Kadıköy Municipality</u>					
Name of legal entity	Country	Proportion carried out by legal entity (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of consortium members, if any
Sustainable Development and Cleaner Production Center (SDCPC)	Turkey		1	Municipality of Kadıköy	Municipality of Kadıköy	September 2013 – May 2014	
Detailed description of project					Type of services provided		
<p>The main idea beyond conducting life cycle assessment (LCA) in Kadıköy Municipality is presenting the environmental impacts of a region by considering the main elements in a region. In order to enable comparison, and find out the most environmental services, several scenarios are created and assessed in the same scope.</p> <p>The aims of the project can be explained as follows in detail:</p> <ul style="list-style-type: none"> - Residential: Finding out the global warming, acidification and eutrophication potentials of operation of an old building without isolation, old building with isolation and a new building. Indicating the contributors to selected impact categories in each building and presenting the most ‘environmental efficient’ one by providing the results of life cycle assessment study. - Secondary Buildings: Finding out the global warming, acidification and eutrophication potentials of both old and new school, cultural center, clinic, and a kindergarten. Indicating the contributors to selected impact categories in each service and comparison of the environmental impacts and presenting the most ‘environmental efficient’ one by providing the results of life cycle assessment study. - Transportation: It is planning to replace the shuttle with hybrid ones in Kadıköy-Bostancı line. For this reason, the environmental impact savings in terms of global warming will be calculated by comparing the current situation and the scenario with the hybrid shuttles. Additional impact categories may also be considered depending on the weighing results. 					<ul style="list-style-type: none"> ✓ Reporting the environmental impacts of operation of building without isolation, old building with isolation and a new building and presenting the environmental savings in terms of global warming, acidification and eutrophication. ✓ Reporting the environmental impacts operation of secondary buildings. ✓ Reporting the environmental saving of the replacement of the conventional shuttles with hybrid ones. 		