

<b>Name:</b>	<b>14. INTEGRATING AGRO-FORESTRY PRACTICES IN THE FARMING SYSTEM IN GRENADA</b>		
<b>Region</b>	SIDS	<b>Country</b>	Grenada
<b>Ecosystem</b>	Agriculture; Mountain		
<b>Nature of approach</b>	Implementation of EBA measures (diversifying livelihoods, changing management practices)		
<b>Description of approach</b>	<p><b>Objective/Expected outcomes</b>  Natural disasters and more recently, recurrent severe hurricane seasons, have caused significant damage in Grenada. The agricultural sector, to which the island's economic fortunes are historically linked, is particularly vulnerable and has been greatly damaged by natural hazards. The island's vulnerability is further aggravated by its mountainous terrain: over 50% of the lands are extremely steep (over 20 degrees), and only 6% of the lands are considered flat. With increased vulnerability to hurricanes and hurricane-related impacts due to climate change, agro-forestry practices are being integrated into agricultural systems to help communities adapt to increased flooding and storms, along with the effects on their livelihoods.</p> <p><b>Actions</b>  Measures include growing appropriate tree species on cultivated land, and incorporating contour ploughing (where ridges are built by tilling and/or planting on the contour) to enhance irrigation.</p> <p><b>Results achieved</b>  The integration of trees in agriculturally productive landscapes leads to multiple benefits, from land fertilizing and regeneration, soil health and food security, to diet diversification, fodder, timber and fuelwood production, diversification of income sources and inversion of the trend towards deforestation. Contour ploughing helps to slow water flow and increase infiltration which reduces erosion, preventing and mitigating the impacts of floods, storms and landslides. Ranked as highly effective and sustainable during a national workshop on good practices for disaster risk prevention and mitigation, agro-forestry in Grenada is a dynamic, ecologically based, natural resources management system that diversifies and sustains production.</p> <p><b>Lessons learned (particularly highlighting the benefits and challenges related with ecosystem-based approach)</b></p>		
<b>Type of organisation</b>	Government	<b>Name of organisation:</b>	Government of Grenada Ministry of Agriculture
<b>Further information and contact details</b>	<a href="http://maindb.unfccc.int/public/adaptation/adaptation_casestudy.pl?id_project=187">http://maindb.unfccc.int/public/adaptation/adaptation_casestudy.pl?id_project=187</a>		