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## Current Measures to Protect the Romanian Coastline of the Black Sea

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In Romania to mitigate coastal erosion in order to increase the value of coastal zone and create new areas of beach tourism in the period 2005 - 2013 were elaborated scientific and technical documentation to develop the Master Plan of the Romanian Black Sea coast, through two major projects: - "Study on the Protection and Rehabilitation of the Southern Romanian Black Sea Shore" (2005 - 2007) and - "Technical Assistance for the Preparation of Projects under Priority Axis 5. Implementation of Adequate Infrastructure of Natural Risk Prevention in the Most Vulnerable Areas. Major Intervention Domain 2 - Reduction of Coastal Erosion" (2010 - 2013). In these projects was drawn up a Strategic Plan for Coastal Protection, which will run for more than 30 years, with coastal protection measures planned in the short, medium and long term. These works include measures to reduce wave energy by building new dams, beach fill (nourishment) with dikes of stability sand (spurs) and measures for retaining the sand on the beach by building new dams, repair the old detached breakwater and existing groins. Short-term measures were planned for five priority projects in the southern Romanian coast, in order to reduce the risk of coastal erosion and rehabilitate the area for 7.1 kilometers of shore in places, South Mamaia, Constanta (Tomis Nord Tomis Center, Tomis South) and North Eforie. The beach area was expected to be created about 33.7 ha and which were put into operation at the end of 2015 year. NIMRD monitors the Romanian coastline, since 1980 and has designed and realized landmarks for coastal short-term protection measures, in 2014 for the initiation of monitoring of shoreline with coastal protection measures. Based on geomorphological profile of the backshore and wash zone carried out before, during and after realized coastal protections (2014 - 2015) it was done an assessment of coastal processes (erosion-accretion).

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