

Port of: Santander (Port Authority of Santander) Country: Spain
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Environmental issue: Circular economy
Relevance to the 5 Es framework of the ESPO Green Guide (please delete as appropriate): Exemplify / Enable / Encourage / Engage / Enforce
<p>USE OF RECOVERED STEEL AGGREGATES AS FILLING MATERIAL</p> <p>During the construction of the new dock Raos 9, 13,000 m³ (30,000 tonnes) of slag material was used as backfill. The material resulting from the ferrous metal smelting process was taken from the FerroAtlántica plant, located in Boo de Guarnizo, 7 km from the construction site.</p> <p>This practice has avoided having to use materials from quarries and sending steel aggregates to landfill.</p> <p>The benefits have been:</p> <ol style="list-style-type: none"> 1. Reuse of waste destined for disposal, guaranteeing the protection of the environment and people's health. 2. Saving resources by avoiding the extraction and use of aggregates of natural origin. 3. Reduction of greenhouse gas emissions and air pollutants, by reducing the kilometers of transport of slag material from FerroAtlántica plant to landfill and all associated operations. <p>The slag used is composed of green glassy particles of smooth texture and with sharp edges. It comes from ferroalloy slag subjected to a cooling, screening and grinding procedure to convert it to aggregate for use in construction and public works.</p> <p>This good practice is regulated in Decree 100/2018, of 20 December, on the Recovery of Slag in the Autonomous Community of Cantabria, which establishes the legal regime applicable to the management of slag, in order to promote its recovery by guaranteeing adequate protection of the environment and people's health.</p>
Links:

Illustrations:

