



**CIRCULAR
ECONOMY**

CIRCULAR BIOFERTILISERS, BITUMINOUS AND CEMENTITIOUS MATERIALS FROM KRAFT PROCESS RESIDUES

Residues from the kraft pulping process area being transformed into added-value products at The Navigator Company. These include ashes, biological sludges, lime sludges, grits and dregs. Biofertilisers and soil pH amendment products have been developed from ashes, biological sludges, lime sludges, grits. Bituminous and cementitious (including concrete and mortars) materials have been developed using ashes, grits and dregs. These products reached a prototype scale at industrial relevant context.



The Navigator Company



Portugal



Carlos Neto

carlos.neto@thenavigatorcompany.com