

REuSE - Wall coatings for rehabilitation: safety and sustainability (ref. 0803/112/19461, LNEC, 2015-2021)



LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL

Partners: LNEC (internal project)

LNEC Principal Investigators: R. Veiga and J. G. Lopes

As an external partner: I. Flores-Colen (10%)

Funding: LNEC - Research and Innovation Plan for LNEC (2013-2021) Total budget: - CERIS: -

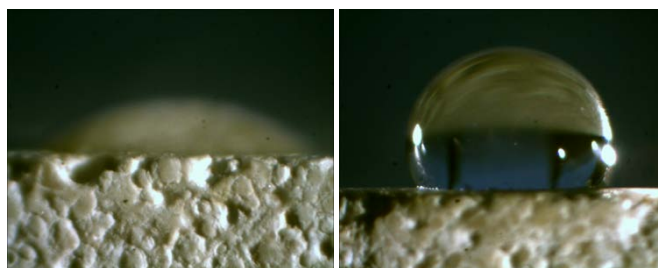
Period: **1/1/2015-2021** -

Summary description: it is expected, among others: i) the acquisition of new tools to respond to anomalies in coatings and rehabilitation solutions and to support the development of solutions with better performance; ii) the definition of evaluation criteria for solutions applied or to be applied, from the point of view of safety, sustainability and durability.

CERIS participation: contributing in particular to two lines of research: activity 2 (sustainability of coatings), task T2.3 (development of mortars with low environmental impact); and activity 3 (durability of coatings), task T3.3 (studies of durability of different types of wall and claddings).

Output: collaboration through MSc and PhD theses, scientific publications and basis for FCT and European research projects, also for collaborations with companies or other programs of funding.

Illustrations:



On the left: water droplet on stone specimens untreated; on the right stone specimens treated with a hydrophobic protection (MSc. C. Esteves)

Indicators: two MSc dissertations; two international papers; one paper in an international conference.