

**TEC-TIMBER - Techniques to assess the properties of timber on old buildings
(IPL/2019/TEC-TIMBER_ISEL, 2019-2020)**



Partners: ISEL

CERIS Principal Investigator: D. Henriques

CERIS Research Team: I. Flores-Colen

Funding: IPL and IDICA

Total budget: 4.650 € CERIS: -

Period: 01/08/2019-13/06/2020

Summary description: the project supports the recognition, evaluation and rehabilitation of existing timber structures in old buildings. It consists in the estimation of properties by non-destructive or semi-destructive techniques performed in situ and their validation by reference data obtained in the laboratory, through the cross-correlation of multiple parameters.

Output: research developed with the support of MSc studies and dissemination about lectures and publications.

Illustrations:



Field assessment (MSc – Miguel Clara)

Indicators: 1 article; 2 papers in international conferences; 2 papers in national conferences; 2 MSc dissertations; 1 lecture at FUNDEC about “Inspection, diagnosis and assessment of in-situ wooden elements”, and 1 research report.

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1. Henriques, D.; Flores-Colen, I.: “Development of techniques to in-situ assessment of timber properties in old buildings” (in Portuguese), TEC-TIMBER final report. CERIS DTC 46/2020 report, December 2020, IST.