

## Energy and Environmentally Efficient Resource Use in the Concrete Construction Industry

### Summary

This project concerned the networking and preparation of future research by two institutions specialized in the development of sustainable concrete: IST, University of Lisbon and the Faculty of Engineering of the University of Belgrade.

The project funded travels from researchers of each institution and joint workshops took place to train researchers on the topic of sustainable construction. Researchers from CERIS received training on life cycle assessment and concrete made with supplementary cementitious materials, while researchers from the University of

Belgrade were trained on: i) recycled aggregate concrete; ii) publication of scientific papers; iii) applications to competitive funding.

One workshop took place in the University of Belgrade and another in IST.

These travels served not only for knowledge exchange and for the organization of dissemination events: a project proposal was prepared and joint publications were published in conferences and in a leading journal on the topic (Structural Concrete).



Figure 1. Knowledge exchange session.



Figure 2. Seminar on concrete efficiency.

### Project Reference

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### Leading Institution

IST-ID – Associação do Instituto Superior Técnico para a Investigação e Desenvolvimento (Portugal)

### Partners

University of Belgrade (Serbia)

### CERIS Principal Investigator

Jorge de Brito  
([jorge.brito@tecnico.ulisboa.pt](mailto:jorge.brito@tecnico.ulisboa.pt))

### CERIS Research Team

José Dinis Silvestre, João Nuno Pacheco, Vera Durão

### Funding

FCT – Fundação para a Ciência e a Tecnologia (Programme for Cooperation in Science between Portugal and Serbia)

### Period

2018-2019

### Total

8 000.00€

### CERIS

4 000.00€

### Project Website

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