

Final InnovaConcrete Workshop:

Conservation of the 20th Century Concrete-based Cultural Heritage: Innovative materials, procedures and awareness



Innovative Materials and Techniques for the Conservation
of the 20th Century **Concrete**-based Cultural Heritage

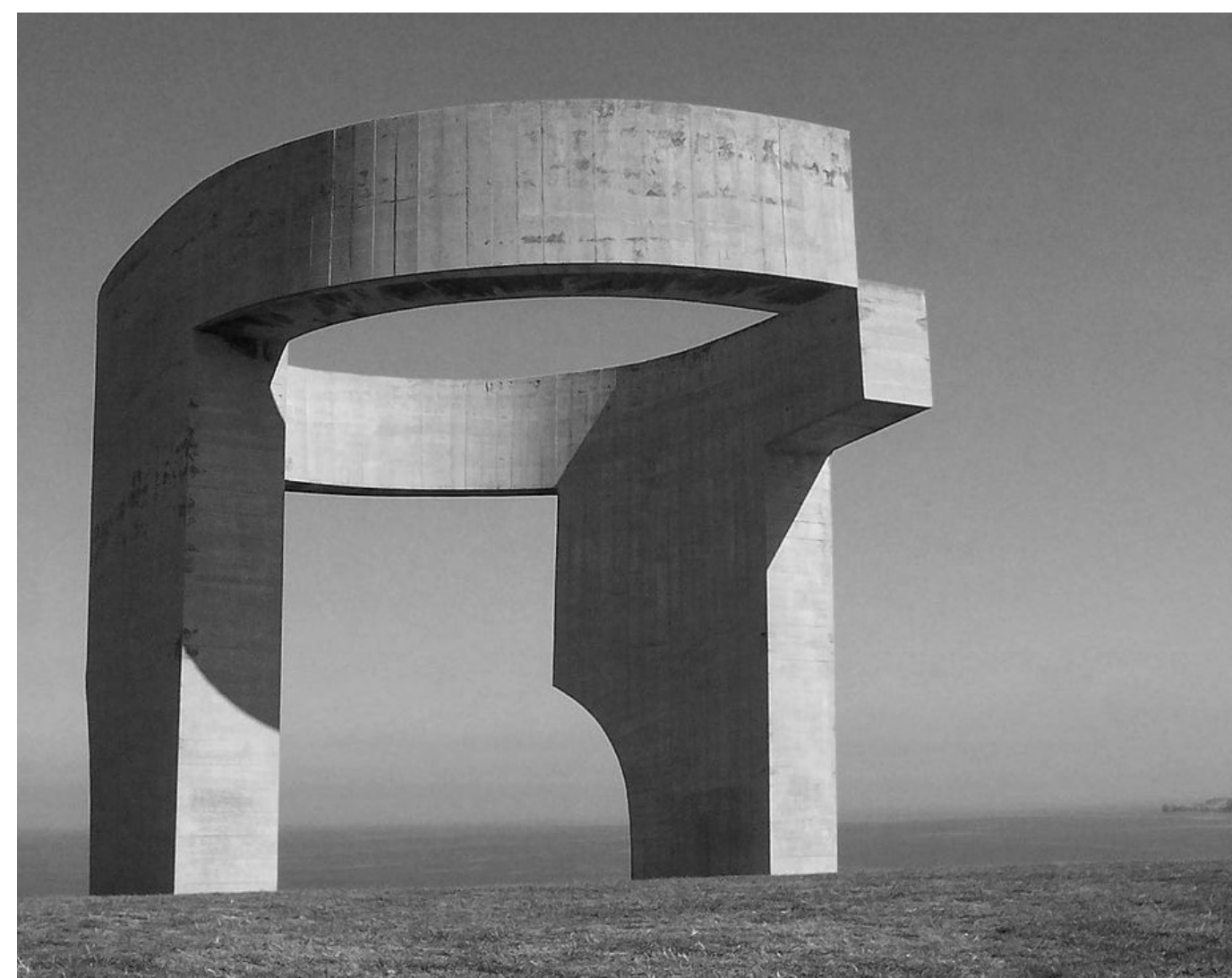
WORKSHOP



CADIZ, SPAIN

December 2 - 4 (2021)

University of Cadiz



AGENDA

Objectives:

- (i) To disseminate the targets, challenges and final results of InnovaConcrete project.
- (ii) To disseminate the knowledge of concrete heritage conservation of the 20th Century with special emphasis in the Modern Architecture.
- (iii) To promote citizen awareness around concrete heritage.

Thursday, December 2nd, 2021

- 8,30 Registrations
- 9,00 Welcome and opening ceremony
- 9,20 Overview of the InnovaConcrete project
- 10,00 Official presentation of the Benchmark Guidance Document For conservation of XX century heritage (Cadiz document)
- 10,30 The significance of the Cadiz document for XX century heritage conservation policies and intervention protocols. (Round table and open discussion) The panel will count with the participation of experts from architecture, restoration and construction companies, and cultural heritage institutions
- 11,30 Bus trip to Gonzalez Byass winery (Jerez de la Frontera, Cadiz)
- 12,30 Visit to Gran Bodega Tio Pepe designed by Eduardo Torroja
- 12,30 Lunch
- 14,30 Official presentation of the selection of the 100 significant concrete heritage structures from the 20th century: The 100 of the 20th
- 15,00 InnovaConcrete social targets. Citizen awareness of modern concrete heritage: activities, socio-economic analysis tools and results
- 16,00 Open discussion about social targets
- 16,30 Bus trip back to Cadiz

Friday, December 3rd, 2021

- 9,00 Laboratory validation protocols of the materials and technologies
Validation on artificially aged cement mortars
Fabrication of mockup samples from the case studies
- 9,20 InnovaConcrete materials and techniques. Overview of the technologies developed during the project and validation results, conclusions and future perspectives. (Round table and open discussion)
 - Multi-scale modelling tools for product optimization results by the project partners, open discussion of conclusions and future perspectives
 - Superhydrophobic and consolidant treatments generating C-S-H gel
 - Consolidant treatments compatible with carbonate substrates
 - Multifunctional products containing smart corrosion inhibitors
 - Repair mortars reinforced with halloysite nanotubes
 - Bio-inspired self-healing treatments for concrete
 - Repair micro-mortars with hydrophobic performance
 - Atmospheric plasma treatment for superhydrophobic surfaces
- 11,20 Coffee break
- 11,45 In situ validation of the InnovaConcrete materials and techniques, significance of the case studies, characterization, on field application experience, validation and durability studies. (Round table and open discussion)
 - Kaunas 9th Fort (Lithuania) and Śródmieście station (Warsaw, Poland)
 - Elogio del Horizonte (Gijón, Spain)
 - War memorials in Torricella Peligna (Italy)
 - Eduardo Torroja Institute (Madrid, Spain)
 - Centennial Hall (Wrocław, Poland)
 - Flaminio Stadium (Rome, Italy)
- 13,15 Lunch
- 14,15 Future perspectives of concrete heritage conservation, beyond the InnovaConcrete project. Discussion and open questions
- 14,45 Practical demonstrations of the InnovaConcrete technologies and materials
- 15,00 Summary and concluding remarks

Saturday, December 4th, 2021

- 10,00 Guided visits to representative 20th century heritage buildings in the city of Cadiz

Practical Demonstrations

A stand with practical demonstrations of **products and techniques developed in InnovaConcrete** (materials and plasma atmospheric device, etc.) will be available during the complete session.

A stand showing information about the other **case studies** (including sampling videos, information about concrete from monuments...) will be also available.

MEDIA

www.innovaconcrete.eu

[www.twitter.com/InnovaConcrete](https://twitter.com/InnovaConcrete)

www.linkedin.com/company/innovaconcrete/

www.facebook.com/innovaconcrete/

ORGANIZATION

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PARTICIPANTS



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