

**SEMINAR ANNOUNCEMENT**

November 21, 2025 – h 10:30

Aula T, Complesso Ingegneria Donghi

**Invited Lecture**

Prof. Viviana Cecilia Letelier González

Universidad de La Frontera, Temuco, Chile

**USE OF CO<sub>2</sub> IN THE VALORIZATION OF CONCRETE RESIDUES AS A PATHWAY  
TOWARD CARBON NEUTRALITY**

*Prof. Viviana Letelier Gonzalez is a Civil Engineer and PhD in Materials Engineering from Università Politecnica delle Marche. Associate Professor at Universidad de La Frontera, where she has led teaching, research, and academic management.*

*Her main line of work focuses on the valorisation of construction waste, recycled aggregates, and accelerated carbonation processes, with emphasis on low environmental impact materials. She has directed numerous research and development projects funded by Chilean agencies, progressing from laboratory scale to pilot and industrial applications. She has more than fifty indexed publications in the fields of sustainable concrete, ecoefficient mortars, and the utilisation of industrial byproducts. She has supervised more than fifty undergraduate theses and actively contributes to the development of Chilean standards related to recycled aggregates and slags. Her track record combines applied research, human capital training, and technological transfer to the construction industry.*

