



Title: Seismic site response analysis in the light of soil-structure interaction (SSI) analyses for underground masonry structures

Dates: 19 and 22 June 2026

Location: [Palazzo del Broletto](#), Pavia

Details: This two-days accelerated course is focused on providing:

- (1) a broader understanding on the seismic site response analyses spanning from a simple to more sophisticated consideration of (i) model geometry, (ii) soil constitutive model, and (iii) seismic input definition.
- (2) a robust knowledge of the theory of 1D site response analyses and competence in the elaboration of the results
- (3) masonry mechanics: from classical arch theory to advanced numerical strategies
- (4) soil-structure interaction (SSI) analyses for masonry tunnels

Presenters:

Dr Ali Güney Özcebe, EUCENTRE Foundation (ali.ozcebe@eucentre.it)

Dr Natalia Pingaro, EUCENTRE Foundation (natalia.pingaro@eucentre.it)

Programme:

Day 1 (19/06/2026)

Session	Content	Presenter	Date	Time
1	Introduction to the Seminar	Pingaro & Özcebe	June, 19	10:30 – 11:00
	Overview of seismic site response analysis	Özcebe		11:00 – 12:00
Lunch break				
2	Theory of 1D wave propagation	Özcebe	June, 19	13:30 – 15:00
Coffee break				
3	1D site response analyses (Part 1)	Özcebe	June, 19	15:30 – 17:30
End of Day 1				

Day 2 (22/06/2026)

Session	Content	Presenter	Date	Time
4	1D site response analysis (Part 2)	Özcebe	June, 22	10:30 – 12:00
Lunch break				
5	Masonry mechanics	Pingaro	June, 22	13:30 – 15:00
Coffee break				
6	SSI for masonry tunneling	Pingaro	June, 22	15:30 – 17:30
Coffee break				
	Final test		June, 22	17.45 – 18:30
End of Seminar				

Note: Although the presenters prefer in-person attendance, online participation will also be available. Please contact them for further details.