

# BIM4CE

## Bridge monitoring using real-time data and digital twins for Central Europe

Bridges are critical transport infrastructure and need regular maintenance to be safe. Smart systems help with monitoring and allow to optimize maintenance processes - but they carry a high price tag.

BIM4CE project aspires to develop a new bridge management solution that will be efficacious as well as cost-effective.

Project budget in EUR:

2,701,235.41

Project duration:

01.04.2023 - 30.03.2026



## NEWS

### BIM4CE Transnational Workshop in Ljubljana

From 3 to 5 March 2026, the BIM4CE Transnational Workshop took place in Ljubljana and online, bringing together partners and stakeholders from across Europe and beyond for three days of exchange, collaboration, and strategic dialogue on the future of digital innovation in infrastructure management.

A core objective of the workshop was to deliver a presentation aimed at decision-makers at local, national, and European levels, underscoring the importance of innovative approaches to infrastructure management and the value of transnational cooperation in strengthening resilience and sustainability.

The first day opened with the workshop "From failure to knowledge: lessons learned from recent bridge collapses", dedicated to infrastructure management. The session examined how insights from past bridge failures can inform better management practices and support more effective decision-making.

The event offered a valuable platform for sharing expertise, reinforcing collaboration among partners and stakeholders, and reflecting on the long-term impact of BIM4CE—ultimately proving to be a great success.

On the second day, the consortium explored the technical foundations of the standardized bridge-monitoring solution, presenting its development over the past three years and addressing stakeholders' needs and expectations.

The final day focused on reporting activities and planning future cooperation beyond the project's conclusion.

A sincere thank you goes to CESTEL and ZAG for their exceptional hospitality, and to all speakers, partners, and Interreg Central Europe for supporting the BIM4CE project, fostering European cooperation, and enabling such a unifying event.



## Video

BIM4CE meeting in Ljubljana showcased in Slovenian local public TV – Net8



The Final Transnational Workshop of @BIM4CE, funded by @Interreg Central Europe, was a great success — bringing together policymakers, solution providers, municipalities, and infrastructure owners from across Central Europe and beyond.

Our standardized and cost-effective bridge monitoring solution was presented and showcased on local public TV (Net8), highlighting how innovation and collaboration can strengthen digital infrastructure management.

Watch the segment here:

<https://www.net8.si/video/projekt-bim4ce-razvija-digitalno-resitev-za-spremljanje-in-upravljanje-mostov>

Although BIM4CE officially concluded on March 31st, we look forward to continuing our collaboration with the project's stakeholders.

## Events



### RoadLCA 2026

September 30th to October 2nd, 2026 – Palermo (Italy)

RoadLCA 2026 is the 7th International Symposium on Pavement and Bridge Life Cycle Assessment, hosted by the University of Palermo (SMARTI Lab, Department of Engineering, and the Centre for Sustainability and Ecological Transition). It will take place 30 September – 2 October 2026 in Palermo, Italy.

The symposium serves as a global forum for scientists, engineers, road authorities, policymakers, and industry professionals working on the sustainability and resilience of transport infrastructure.



### EWSHM 2026 – 12th European Workshop on Structural Health Monitoring

7–10 July 2026 — Toulouse (France)

Europe's largest SHM event, covering sensor technologies, AI enhanced monitoring, predictive maintenance, and applications for bridges and large infrastructures.



### 4th International Symposium on Jointless & Sustainable Bridges (ISJSB 2026)

12-13 June – Barcelona (Spain)

The 2026 theme is "Technology Application and Development for Jointless and Sustainable Bridges." The symposium addresses the growing need for durable, resilient, and climate-adapted bridge structures, with emphasis on long-term performance and lifecycle sustainability.

## Our Partners: