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2nd NEWSLETTER

About DISCOVER

The DISCOVER project aims to revolutionize the construction and demolition industry by developing an advanced system for the autonomous, synchronous, and continuous identification and analysis of materials in end-of-life built environments.



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The DISCOVER (GA 101129909) project is funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Health and Digital Executive Agency (HADEA). Neither the European Union nor the granting authority can be held responsible for them.

Latest from DISCOVER

2nd General Assembly of DISCOVER in Lisbon

Key highlight

The visit to DISCOVER's **first demonstration site** in Lisbon, where partners examined the building's conditions and discussed how the project's digital and robotic solutions will be tested and validated in a real operational environment.

[Read more](#)



Meet Oliwall, DISCOVER's Robotic Inspection Solution

Video Spotlight

DISCOVER's latest video introduces Oliwall, an innovative robotic solution developed by CDEI-UPC to support smarter, more efficient and data-driven building inspections.



Using advanced sensing, mapping and data collection technologies, Oliwall can inspect building interiors, identify structural elements and generate valuable information to support decision-making in construction, renovation and circular deconstruction processes. By combining robotics with digital technologies, Oliwall contributes to safer, more accurate and sustainable practices across the built environment.

[Watch the video and discover Oliwall in action →](#)

Upcoming event

**SAVE
THE DATE**

ADRF26

**13- 14 OCTOBER
2026**

The DISCOVER project will be presented by UPC at the **AI, Data and Robotics Forum 2026 (ADRF26)**, taking place on **13-14 October 2026 in Porto, Portugal**.

ADRF26 is a major European forum bringing together experts, innovators, policymakers and industry representatives from the fields of artificial intelligence, data and robotics. Through keynote speeches, panel discussions, project showcases and networking activities, the event will explore emerging technological trends and opportunities for strengthening Europe's competitiveness and innovation capacity.

DISCOVER's participation will provide an opportunity to present the project's work and connect with key actors from across the European research and innovation ecosystem.



Further information regarding the presentation date, time and programme will be shared soon.

Events

The DISCOVER project consortium has been actively engaging with industry professionals, researchers, and stakeholders across Europe, sharing insights and promoting sustainable construction and deconstruction practices. Below is a list of notable events where the partners have showcased the project:



CDEI-UPC at the European Robotics Forum 2026 (ERF 2026)



24 March 2026  **Stavanger, Norway**

DISCOVER was presented by **CDEI-UPC** during the **Tech4EUConstruction Cluster** workshop "AI and Robotics in Construction: From Perception to Action", highlighting the project's robotic and digital solutions for sustainable deconstruction, material recovery and reuse. The session attracted more than 70 participants and brought together leading European initiatives working on AI, robotics and automation in construction.



Read more

Events



TECNALIA - WASCON 2026



20 May 2026



Fukuoka, Japan

TECNALIA presented the paper **“Multi-Sensor Data Fusion and AI for Material Identification in Digital Models for Selective Demolition”**, showcasing how sensor data and AI can improve material identification, selective demolition planning and the recovery and reuse of construction materials.



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TU Delft at SUM 2026



20–22 May 2026



Procida, Naples, Italy

TU Delft presented the paper developed in the framework of the DISCOVER project **“AI-driven multi-sensor material identification in construction and demolition using a robotic drilling platform”**, developed within the framework of the DISCOVER project. The presentation showcased how AI, robotics and multi-sensor technologies can improve material identification and support more accurate pre-demolition inspections, circular deconstruction and higher-value material recovery.



[Read more](#)



Digital Twin Technology at the Future of Construction Symposium 2026



20–23 May 2026



Zurich, Switzerland

Digital Twin Technology presented research developed in connection with the DISCOVER project, highlighting the project’s contribution to digital and robotic solutions for the construction and demolition sector. The symposium also provided an opportunity to exchange knowledge with international experts in AI, robotics, digital twins, digital fabrication and sustainable construction.



[Read more](#)

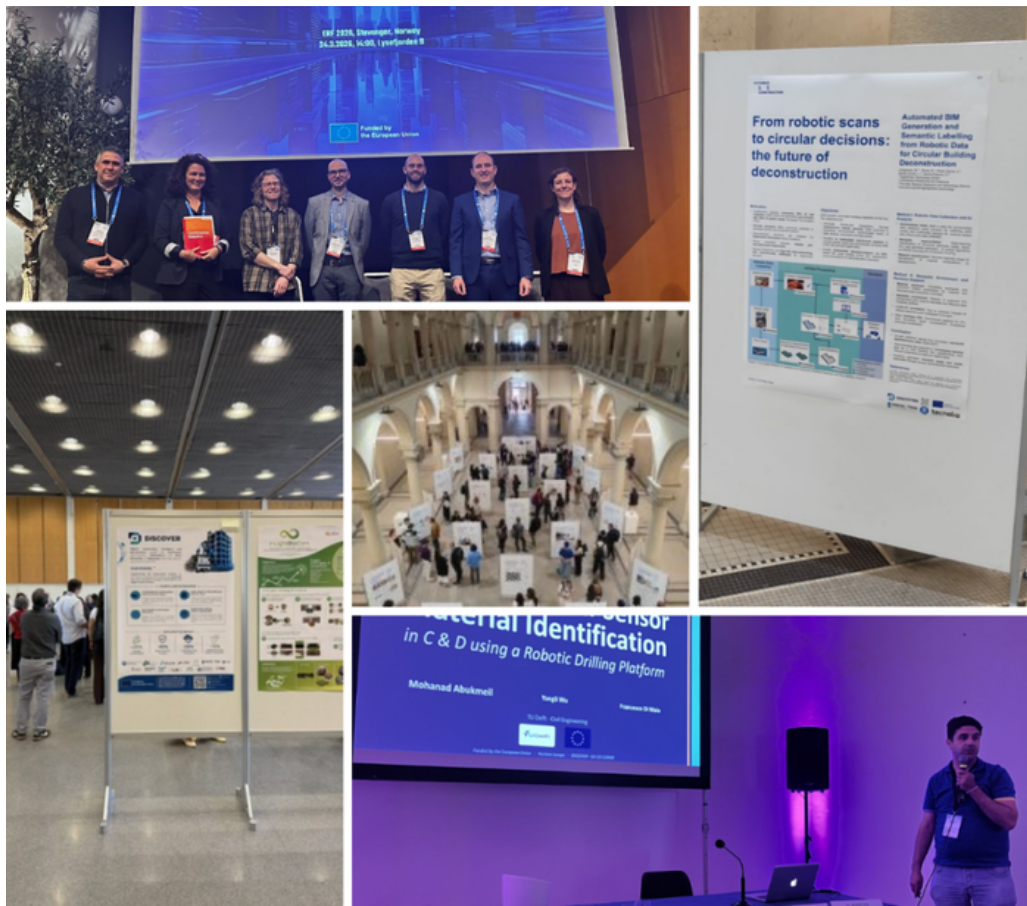
Events

▶ UPC - 13th Conference of the Framework Programme for Research and Innovation in Spain – Horizon Europe

 17 July 16 June 2026  Barcelona, Spain

UPC represented DISCOVER through a dedicated poster presentation at the conference's Horizon Europe project exhibition. The poster showcased the project's digital and robotic solutions for sustainable construction, selective demolition and the circular management of building materials, strengthening DISCOVER's visibility among key Spanish and European research and innovation stakeholders.

 [Read more](#)



Synergies

DISCOVER has joined two European project clusters, strengthening cooperation and knowledge exchange with complementary EU-funded initiatives working towards the digital and circular transformation of the built environment.

Tech4EUconstruction Cluster



The cluster brings together European projects developing advanced digital, AI, robotic and automated solutions for a safer, more efficient and sustainable construction sector.

Fellow projects: [HUMANTECH](#), [InCUBE](#), [RECONMATIC](#), [Reincarnate](#), [RoBétArmé](#), [BEEYONDERS](#), [BIM2TWIN](#), [HERON](#) and [ShieldBot](#).

CircularBuilt EU Cluster



The cluster connects European initiatives working on circular construction, material recovery, resource efficiency, low-carbon buildings and sustainable infrastructure.

Fellow projects: [SUM4Re](#), [Demo-BLog](#), [MEZeroE](#), [MOBICCON-PRO](#), [BIO4EEB](#), [ReBoat](#), [INBUILT](#) and [LIAISON](#).

Through these collaborations, DISCOVER supports the exchange of expertise, joint dissemination activities and events, while strengthening the visibility and wider impact of its results.

[Explore DISCOVER's synergies →](#)

Project Media Highlights

Watch our latest videos showcasing DISCOVER in action!

Real-Time AI for Material Identification in Building Deconstruction



Meet Oliwall: DISCOVER's Robotic Solution for the Demolition and Construction Sector



Our Consortium



Stay connected



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