



# Successful Legacy Site Revitalization

## Governance, Risk Mitigation, and Circular Solutions

Revitalization of legacy sites is key in moving towards the 2030 EU soil strategy objectives. Significant portions of our cities have drastically changed in the last decades. Former industrial sites have been converted into business parks or startup incubation zones, as well as urban redevelopment for city expansion fostering innovation and economic growth. Bilbao, our host city, is a vibrant testimony to the successful revitalization of legacy areas, and its Guggenheim museum and metropolitan area shine as a world example of regeneration of degraded industrial sites. But the work is not complete and many legacy sites in Europe are still looking for a future: they may be former mining or industrial sites; they are located in a large variety of settings, from urban to rural; and they have a very diverse market potential and community value.

Revitalizing sites requires a complex strategy, which encompasses the business model, governance of the process, mitigation of business risks, and nowadays requires the use of circular solutions during remediation, redevelopment and the planned future use.

The workshop will focus on five key topics:

1. Business models in revitalizing legacy sites
2. Stakeholder engagement and governance in legacy site transformation
3. Project risk management in the revitalization of legacy sites
4. Innovating with nature-based solutions for site remediation
5. Increasing circularity: from legacy site to land stewardship



Opening Session	
8:30-9:00	Registration
9:00-9:10	Opening & welcome
9:10-9:30	<b>Key note</b> <i>Industrial and anthropized lands, an opportunity for the transformation of cities.</i> Asier Abanzua (Bilbao City Council)
9:30-9:50	<b>Key note</b> <i>The reuse of vacant land: a key line of action for the Soil Protection Strategy 2030 of Euskadi.</i> Ana Alzola (IHOBE)
9:50-9:55	<b>Introduction poster pitches</b> Beatriz María Ortiz de la Torre Juanas (IDOM)
9:55-10:00	Poster pitches
10:00-10:20	Coffee break
Technical Session 1	
Business models in revitalizing legacy sites Session chairs: Ken Scally & Jean Pierre Davit	
10:20-10:40	<i>Delivering social value in perpetuity with brownfield land</i> Alan Carter (The Land Trust)
10:40-11:00	<i>Management of a complex remediation project for a strategic site, included in the urban development areas with the greatest potential for the city of Naples</i> Stefano Salvatori, Khaled Al-Awadhi (Kuwait Raffinazione e Chimica) & Lorenzo Zinni (WSP)
11:00-11:20	<i>Proposal for a Model Roadmap for the Reuse of Vacant Land in Europe</i> <i>Identification of Technological, Social and Regulatory Instruments for Sustainable Regeneration</i> Beatriz Ortiz de la Torre Juanas & Germán Monge Ganuzas (IDOM)
11:20-11:40	Discussion
11:40-11:45	Poster pitches
11:45-12:45	Lunch break



<b>Technical Session 2</b> Stakeholder engagement and governance in legacy site transformation Session chairs: Germán Monge Ganuzas & Linda Maring	
12:45–13:05	<i>Contaminated site remediation to reduce land consumption and return land to the community: an Italian example of sustainable urban redevelopment</i> Massimiliano Baric (M3R)
13:05–13:25	<i>Pathways to Sustainable Remediation: Mapping Community Assets and Envisioning Site Transformation for TENORM sites – A case study from Italy</i> Valérie Cappuyns (KU Leuven)
13:25–13:45	<i>Urban Regeneration and Circular Economy The Las Salinas Project as a Model of Innovation and Community Collaboration in Chile</i> Ricardo Labarca (Las Salinas)
13:45–14:05	Discussion
14:05–14:10	Poster pitches
14:10–14:40	Coffee break
<b>Technical Session 3</b> Project risk management in revitalization of legacy sites projects Session chairs: Alan Carter & Jean Pierre Davit	
14:40–15:00	<i>Project Risk Management In Revitalization Of Legacy Sites Projects</i> Adam Symonds (Worley Consulting) & Scott Lewis (SGN)
15:00–15:20	<i>Risk Management in the Decommissioning of Mercury-Contaminated Sites A Case Study from France</i> Michael Dumas (TAUW)
15:20–15:40	<i>How Environmental Insurance can be better used to help facilitate the revitalization of legacy brownfield and contaminated land.</i> Simon Johnson
15:40–16:00	Discussion
16:00–16:05	Poster pitches
16:05–16:25	Closing of the workshop day
17:00–18:00	<b>Site visit: Guided Tour of the Alhóndiga</b> A tour of the Alhóndiga, offering insights into the building’s rich history, its transformation, and current projects. <a href="#">Azkuna Zentroa-Alhóndiga Bilbao, Arriquiábar Plaza, 4, Abando, 48010 Bilbo, Bizkaia, Spain</a> 
19:15–22:30	Conference Dinner at the Guggenheim Museum



9:00–9:05	Opening of the second workshop day
<b>Technical Session 4</b> <b>Innovating with Nature-based Solutions for site remediation</b> <b>Session chairs: Philippe Menoud &amp; Marcus Ford</b>	
9:05–9:25	<i>Sulfate-reducing bacteria pave the way for redevelopment of former industrial site</i> Hans Baillieul (Sodecon)
9:25–9:45	<i>Enhanced Nature Based Solutions for a full-scale remediation of MIBK/MEK and BTEX contamination in groundwater at a chemical production facility in Spain</i> Andrea Bianchini (GreenSoil Group)
9:45–10:05	<i>Nature Based Remediation: A Completed Enhanced In-Situ Bedrock Bioremediation Project Which Results in Unrestricted Environmental Risk Based Re-Development Opportunities</i> Andrew Morgan (Geosyntec Consultants)
10:05–10:25	Discussion
10:25–10:55	Coffee break
<b>Technical Session 5</b> <b>Increasing circularity: from legacy site to land stewardship</b> <b>Session chairs: Michael Dumas &amp; Jan Haemers</b>	
10:55–11:15	<i>Championing soil health in the Anthropocene – A resilient approach to urban revitalisation with Nature Based Solutions</i> Ian Evans (Arcadis)
11:15–11:35	<i>Defining an innovative remedial intervention on soil filling material matrices in urbanized context and respecting stakeholders' values</i> Andrea Gasparini (Jacobs)
11:35–11:55	<i>Incorporation of circular economy principles during sustainable remediation – a case study</i> David Manning (ERM) & Ross Pollock (EESI)
11:55–12:15	Discussion
12:15–12:45	Closing of the workshop
12:45–13:45	Lunch



### Organizing Committee Members

Alan Carter – The Land Trust  
 Andrea Bianchini – GreenSoil Group  
 Beatriz Ortiz – IDOM  
 Daniele Zingaretti – University of Rome Tor Vergata  
 Germán Monge – IDOM  
 Jan Haemers – Haemers Technologies  
 Jean Pierre Davit – WSP  
 Ken Scally - LATIS Scientific Ltd. / Normec  
 Linda Maring – Deltares  
 Marcus Ford - Geosyntec Consultants Ltd.  
 Michael Dumas – TAUW  
 Philippe Menoud – Corteva  
 Tom Hayes – INEOS  
 Tyson Campbell – DuPont  
 Virginia Lite Moreno – IDOM  
 Volker Kelm – Gislaved  
 Wouter Gevaerts – Arcadis

### NICOLE Secretariat

Please complete the conference registration form.  
 NICOLE members can register through the [NICOLE Portal](#).  
 Non-members, please contact the NICOLE Secretariat: [Chayenne.vandijk@nicole.org](mailto:Chayenne.vandijk@nicole.org)  
**Deadline for registration is the 8 November 2024.**

### Registration Fees

For further information on NICOLE membership, workshop programs, registration & fees, or any other practical issue regarding the conference, please contact:  
 Chayenne van Dijk (DSBP Consultants)  
 P.O. Box 28249 – 3003 KE Rotterdam, The Netherlands  
 Phone: +31 (0)10 31 00 829 E-mail: [chayenne.vandijk@nicole.org](mailto:chayenne.vandijk@nicole.org)



### Logistic Information



#### Workshop Location

IDOM, Zarandoa Etorb., 23, Deusto, 48015 Bilbo, Bizkaia, Spain

#### Public transport

Metro station: San Ignazio (6-min walk)  
Bus stop: Lehendakari Aguirre (3-min walk)

#### Reception

Bilbao City Hall, Ernesto Erkoreka Plaza, 1, 48007 Bilbo, Bizkaia, Spain

#### Public transport

Metro station: Abando (10-min walk)  
Bus stop: Ayuntamiento (1-min walk)

#### Conference Dinner

Guggenheim Museum, Abandoibarra Etorb., 2, Abando, 48009 Bilbo, Bizkaia, Spain

#### Public transport

Metro station: Moyua (12-min walk)  
Bus stop: Guggenheim (2-min walk)

### Hotel Recommendations

#### [Livensa Living Studios Bilbao](#)

[Walking route](#) to the workshop location.

Stay 19-22 November €330,81 excl. breakfast.\*



#### [Hotel NH Bilbao Deusto](#)

[Route](#) using public transport to the workshop location.

Stay 19-22 November €325,00 incl. breakfast.\*



#### [Ibis Budget Bilbao City](#)

[Route](#) using the metro to the workshop location.

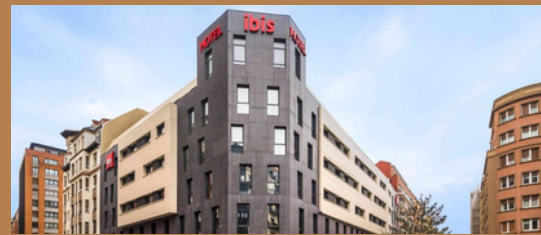
Stay 19-22 November €173,00 incl. breakfast.\*



#### [Ibis Bilbao Centro](#)

[Route](#) using the metro to the workshop location.

Stay 19-22 November €254,00 incl. breakfast.\*



#### [BYPILLOW Amari](#)

[Route](#) using the metro to the workshop location.

Stay 19-22 November €337,00 excl. breakfast.\*



\*Prices were last updated in August 2024. For the most current rates, please check the hotel's website or booking platform.