

Strategic Revitalisation of Megasites *Innovative Soil Reuse and Adaptive Land Transformation*

The sustainable transformation of contaminated and degraded land increasingly requires integrated approaches that align remediation, soil management, risk assessment, and land-use planning with long-term societal, environmental, and economic objectives. Large and complex sites are being repurposed under diverse end-use scenarios, ranging from reindustrialisation and critical infrastructure development to urban regeneration, megaevents, data-intensive facilities, and managed re-naturalisation. These transformations take place within a rapidly evolving regulatory landscape, growing resource constraints, and heightened expectations for environmental performance, circularity, and resilience.

Naples, our host city, with the redevelopment of the former industrial complex of Bagnoli into a new urban district and park, is living and embodies this evolution, further spun by the next 38th America's Cup, which will find base on its remediated shoreline and its beautiful gulf.

The programme is structured around three interconnected themes. This NICOLE Spring Workshop will explore how end-use objectives, data-driven decision making, technological innovation, and emerging soil policy frameworks can be more effectively integrated to support risk-based, sustainable site transformation.

Technical sessions:

1. Bagnoli in Focus: A special session focused on remediation and redevelopment strategies in our host city.
2. How end use defines redevelopment strategies (megaevents, re-industrialisation, data centres, urban and residential redevelopment, managed re-naturalisation).
3. Data-driven decision-making for enabling strategic land revitalisation.
4. Technology innovation in remediation and soil health for soil reuse.

08:30-09:00	Registration
09:00-09:10	Opening & Welcome Session Chairs: Jean Pierre Davit & Ken Scally
09:10-09:40	Keynote by Naples Municipality and Commissioner
09:40-10:10	Keynote by Invitalia on Bagnoli Governance and Future Redevelopment
10:10-10:15	Introduction to poster pitches
10:15-10:20	Poster pitches
10:20-10:40	Coffee break
Technical Session: Bagnoli in Focus Session Chairs: Frederic Coulon & Horst Herzog	
<i>Each presentation concludes with a short audience Q&A.</i>	
10:40-11:05	<i>How End Use Vision Shapes Sustainable Remediation and Redevelopment: The Bagnoli-Coroglio SIN, from the remediation to the America's Cup - case study</i> Corrado Thea, WSP Italy
11:05-11:30	<i>An End-Use-Oriented Risk Assessment for the Optimal Redevelopment of the Bagnoli-Coroglio Coastline</i> Sergio Vernocchi, Arcadis Italia s.r.l.
11:30-11:55	<i>From Contaminated Marine Sediments to Functional Systems Performance-Based Monitoring of In Situ Remediation at the Bagnoli Megasite</i> Dr. Kevin Kuntze, Isodetect GmbH
11:55-12:00	Poster pitches
12:00-13:00	Lunch break
13:00-14:30	Interactive Session Session Chairs: Michael Dumas & Daniele Susanni
14:30-15:00	Coffee break

Technical Session: How End Use Defines Redevelopment Strategies Session Chairs: Alessandro Fusari & Ken Scally	
<i>Each presentation concludes with a short audience Q&A.</i>	
15:00–15:25	<i>La Goccia urban woodland - the transformation of a post-industrial spontaneous forest into a public park through the application of Nature-based Solutions</i> Tatiana Stella, M3R & Stefano Zoli, Terrapreta
15:25–15:50	<i>The Local Soil Loop: A Marseille Case Study on Integrating Soil Security into Climate-Resilient Brownfield Rehabilitation</i> Hugo Maurer, Neo-Eco
15:50–16:15	<i>The environmental redevelopment of brownfields: experience with data centers in Italy</i> Francesco Ioppolo, Ramboll
16:15–16:20	Poster pitches
16:20–16:25	Closing of the day
19:00–22:00	Conference dinner & NICOLE 30 Years Celebration Location to be announced during the workshop

09:00–09:05	Good morning
Technical Session: Data-Driven Decision-Making for Enabling Strategic Land Revitalisation Session Chairs: Anna Espinoza & Niloufar Falakbaz	
<i>Each presentation concludes with a short audience Q&A.</i>	
09:05–09:30	<i>From Contamination to Insight: Lessons Learned</i> Christian Andersen, COMMON FORUM
09:30–09:55	<i>Science-Based Geospatial Intelligence for Ground-Level Decision Making in the Revitalisation of Conflict-Affected Megasites: Insights from the UNEP Gaza Environmental Assessment</i> Johan De Fraye, NICOLE Foundation
09:55–10:20	<i>The EU Soil Monitoring Law, an analysis of implications for Contaminated Land Management in Europe and an overview of Nicole’s contribution</i> Olivier Maurer, NICOLE Regulatory Working Group, WSP
10:20–10:45	<i>Former Bowling Terminal remediation project; data-driven decision-making during design and project implementation</i> Hendrik Nollet, DEME Environmental
10:45–11:15 Coffee break	
Technical Session: Technology Innovation in Remediation and Soil Health for Soil Reuse Session Chairs: Kevin Kuntze & Daniele Susanni	
<i>Each presentation concludes with a short audience Q&A.</i>	
11:15–11:40	<i>In-Situ AI-Driven Hyperspectral Sorting of Contaminated Soils Full-Scale Demonstration in Normandy (France)</i> Antonin Van Exem, Tellux
11:40–12:05	<i>Can Bacteria Replace Pump-and-Treat? Field Evidence for Long-Term In Situ Metal(loid) Precipitation at an Industrial Site in Flanders</i> Michael Dumas, TAUW
12:05–12:30	<i>Integrating laboratory testing and reactive-transport modelling to design in situ bio-flushing for hydrocarbon-impacted soil reuse the Ploufragan case study (France)</i> Cosimo Masini, DND Biotech
12:30–13:00	Closing of the workshop Jean Pierre Davit & Dennis Lemke
13:00–14:00 Lunch	
14:00–16:00	Site visit

Organizing Committee

Jean Pierre Davit – WSP – Workshop Chair
 Ken Scally – Normec – Workshop Vice-Chair
 Alessandro Fusari – Jacobs
 Anna Espinoza – LIST
 Cosimo Masini – DND Biotech
 Daniele Susanni – RAMBOLL
 Edoardo Masut – ERM
 Francesca Faraon – Mérieux NutriSciences
 Frederic Coulon – Cranfield University
 Horst Herzog – Infracore
 Kevin Kuntze – Isodetect
 Martina Antonucci – WSP
 Marianne E. Wilton-Blom – Earth+Energy
 Michael Dumas – TAUW
 Nicholas Scott Forbes – Oceanfront Agency
 Niloufar Falakbaz – IEG Technology
 Teresa Maria Fernandes Valente – University of Minho
 Tom Hayes – INEOS

NICOLE Secretariat

Please complete the workshop registration form.
 NICOLE members can register through the [NICOLE Portal](#).
 Non-members, please contact the NICOLE Secretariat: chayenne.vandijk@nicole.org
Deadline for registration is Friday, 10th of April 2026.

For further information on NICOLE membership, workshop programs, registration, or any other practical issue regarding the workshop, 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