Conference Agenda

09:00 – 09:30  Registration, welcome coffee

09:30 – 10:00  Opening Session

- Short welcome and introduction by CINDERELA Project Coordinator
  Alenka Mauko Pranjić, Slovenian National Building and Civil Engineering Institute

- Keynote speech: The challenges and opportunities for the circular economy transition in the urban construction sector
  Speaker: Dr. Ana Mladenovič, Head of Laboratory for Stone, Aggregates and Recycled Materials, Slovenian National Building and Civil Engineering Institute

- Driving a circular change in urban construction through technologies, digitalisation and circular business models: the CINDERELA project innovations achieved
  Alenka Mauko Pranjić, Cinderela Project Coordinator, Slovenian National Building and Civil Engineering Institute

10:00-10:45  Session 1 Technical solutions for sustainable value creation in urban construction

The session will present technical solutions for utilizing secondary raw materials recovered from urban and industrial waste streams for site redevelopment/ unused industrial sites repurposing projects developed and demonstrated in real conditions in the CINDERELA project. They can be leveraged by cities to drive the circular change in local/regional construction projects and by companies as enablers of circular business models

- Revitalising a degraded site with multiple circular solutions: the Dogosa demonstration case
  Tadej Žurman, External Advisor on Circular Economy and Sustainable Development, Nigrad, d.o.o, Slovenia

- Closing the material loops in an unused industrial site: the Madrid demonstration case
  Ignacio Vilela, Asociación de Empresarios del Henares, Spain

- Building regional industrial symbiosis for reuse of metallurgy waste streams for construction purposes: the Skopje demonstration case
  Dobriela Rogozareva Stavreva / Tanja Dimitrova Filkoska, Civil Engineering Institute, North Macedonia
Maximising the utilization of urban resources for circular construction: phosphorus extraction as a step in a cascade recycling of sewage sludge and 3D printing of building components with recycled plastic

Arjan van Timmeren  Technical University of Delft

Q&A Session

10:45 – 11:00 COFFE BREAK

11:00 – 11:45 Session 2: Digital solutions for circular urban construction: CinderOSS presentation

This session will present the CINDERELA one-stop shop platform (CinderOSS) as a digital environment for data collection, analysis and management to help cities increase the regenerative capacity and create value for circular economy business models in urban construction sector based on locally/regionally available secondary raw materials recovered from urban and industrial waste streams.

- CinderOSS: a multifunctional digital environment for supporting circular business models and urban ecosystems.  
  Douwe Huitema / Joran Straatman, KplusV

- The operational requirements for establishing circular construction hubs with CinderOSS  
  Gabriele Francescotto / Lorenzo Brusaferro, OpenContent

- CinderOSS as a tool to promote the sustainability of SRM based construction materials  
  Matteo Donelli, University Bocconi, Ainara Garcia Uriarte, Tecnalia

11:45– 12:30 Session 3 Building local/regional digital circular construction hubs with CinderOSS: the way forward

Moderated Panel discussion:

- Challenges and opportunities, drivers and constraints for circular urban construction
- How digital tools like CinderOSS may help cities/region through building digital circular construction hubs?

Panelists:

- Blanka Romanowska Head of Department of Infrastructure and Environment, GZM Metropolis, Poland
- Enrico Pusceddu, Upper Adriatic Technology Park, Italy
- Jose Antonio Chica, TECNALIA Research & Innovation, Unit of Energy, Climate and Urban Transition, Spain
- Massimo Fabbri, Municipality of Prato, Italy
- Carolina Giraldo Nohra, EIT Climate KIC