



CLIMATE POSITIVE CIRCULAR COMMUNITIES

ARV Final Conference – Transforming the Built Environment Under the European Green Deal

6-7 October
Trondheim, Norway

ARV is an EU-funded project aiming at creating Climate Positive Circular Communities (CPCCs) in Europe and increasing the building renovation rate in the continent. ARV is the Norwegian word for 'heritage' or 'legacy', signifying our strong focus on the whole life cycle perspective. The conference marks the end of 5 years' work to develop and demonstrate groundbreaking solutions in communities across Europe.

During the course of the project, 36 partners from academia and industry in 8 European countries have collaborated to deliver 6 large-scale demonstration projects with more than 50 innovations ranging from energy efficient technologies and circular materials to tools and processes for planning and design of CPCCs. We have developed and validated a wide range of attractive, resilient, and affordable solutions that can significantly speed up deep energy renovations and lay the foundation for wide-scale deployment of energy-efficient, circular, and digital solutions in the construction industry.

In the conference, we will highlight the lessons learned from the implementation of the solutions and discuss the obstacles and opportunities to their wide scale market uptake.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101036723

DRAFT AGENDA

Day 1: Tuesday 06.10.2026

Meeting venue: Rockheim: Brattørkaia 14, 7010 Trondheim

13:00

Welcome & Introduction

Inger Andresen, ARV Project Coordinator, NTNU

13:15

Circularity and Energy Transition Across Scales: What's next for Europe's Built Environment?

Hosted by EERA JP Smart Cities. Organizer: NTNU

The session will explore how circularity and energy transition can be advanced across scales, from materials and buildings to neighbourhoods, districts and communities, bringing together researchers, practitioners, policymakers, and industry representatives to discuss challenges, opportunities, and pathways for implementation.

13:15–13:40 — Welcome & Framing the Session

- Opening remarks - Circularity from buildings to neighbourhoods and cities
Niki Gaitani, NTNU
- Circularity in the European context: Positioning within EERA activities on the circular economy and recent European policy developments
Sonia Giovinazzi, ENEA
- Circularity priorities within EERA: Key challenges, opportunities, and future directions for research and innovation
Margherita Menon, EERA

13:40–14:00 — Setting the Scene: Circularity Across Scales *NN, ACE*

14:00–14:30 — Focused Contributions: From Concepts to Urban Implementation

Insights from EERA Members and European Initiatives:

- FutureBuilt Circularity Framework: How Circular Approaches Can Support the Transition towards Climate-Positive and Resource-Efficient Built Environments
Anne Sigrid Nordby, NTNU
- Enabling Circularity Through Social Innovation and Community Practices
Hande Eryilmaz, (TBC)
- Transforming the Otto Wagner Area Through Digital Innovation
Ghazal Etminan, AIT
- Circular Integrated Design in the ARV Green Deal
Niki Gaitani, NTNU

14:30–14:55 — Panel Discussion: From Technical Solutions to Circular Cities

14:55–15:00 — Wrap-Up & Next Steps

15:00

Coffee break

15:30

Multi-stakeholder engagement in climate-positive circular communities

Moderated by Caroline Cheng, SINTEF

This session will feature short presentations followed by a panel discussion to examine systematic ways to plan and implement multi-stakeholder engagement, to achieve long lasting and sustained desired outcomes of community engagement. The panel will also address inclusivity and gather reflections regarding how the youth, elderly and vulnerable segments of the population can meaningfully make deep renovation part of their daily lives.

Presentations

- **Multi-stakeholder approach for PED development in Brattøra**
Bjørn Ove Berthelsen, Senior advisor at Trondheim Municipality
- **From information to inspiration in transforming previous mining communities**
Michael Sikora, Managing Director of the POHOpark Association
- **Finding common ground in engaging local communities**
Torstein Langeland, Business developer at Mid-Norway Chamber of Commerce & Industry

Panel Discussion

17:30

Virtual Reality, drinks, and tapas at Rockheim

Day 2: Wednesday 07.10.2026

Meeting venue: Rockheim: Brattørkaia 14, 7010 Trondheim (Doors open at 8:00 for registration)

08:30	Welcome & Scene-Setting	08:30-8:45 — Welcome address <i>Toril Nagelhus Hernes, Dean of Research and Innovation, NTNU</i>
		08:45-9:00 — The Green Deal ARV project: From vision to impact <i>Inger Andresen, ARV Project Coordinator, NTNU</i>
09:00	A Tour of Six Flagship Transformation Projects Around Europe Moderated by Prof. Inger Andresen, NTNU	Challenges faced, innovative solutions discovered, and key lessons learnt
		09:00-09:10 — An educational beacon: How to design a positive energy school and cultural centre in Oslo, Norway. <i>Amin Haddadi, Sustainability and Innovation Advisor at Oslobygg</i>
		09:10-09:20 — Smart and flexible homes for housing cooperatives in Sønderborg, Denmark. <i>Torben Esbensen, Project Manager, Project Zero</i>
		09:20-09:40 — Industrial renewal of social housing blocks in Utrecht, the Netherlands. <i>Rogier Laterveer, Engineering Lecturer and Researcher at the University of Applied Science Utrecht</i>
		09:40-09:50 — The transformation of a public building into a testing ground for CPCC solutions in Karvina, Czechia. <i>Robert Wawerka, Head of Department of the University Centre for Energy Efficient Buildings</i>
		09:50-10:05 — On the pathway to a sustainable self-sufficient district in Trento, Italy. <i>Marcello Curci, Project Manager, DTTN</i>
		10:05-10:20 — Large-scale and sustainable retrofitting of residential buildings in Palma de Mallorca, Spain. <i>Lluc Amengual, Project Manager, Palma City Council</i>
		10:20-10:30 — Panel discussion/Q&A
10:30	Break	
11:00	Architecture & Design through Circularity and the New European Bauhaus Moderated by Assoc. Prof. Niki Gaitani, NTNU	The session will feature short keynotes followed by a panel exploring how New European Bauhaus and Circularity principles influence design decisions, what lessons can be transferred, and how climate-positive, circular approaches can be scaled.
		Presentations Social housing with nature-based solutions <i>Architect David Mayol, IBAVI, Spain</i> A blue-green schoolyard for climate and community <i>Landscape Architect Marit Reisegg Myklestad, Østengen & Bergo AS</i> Panel discussion

12:15

Lunch & Exhibition

13:45

Large Scale Retrofitting – Industrialization, Digitalisation, and Affordability

Moderated by Clara Mafe, Housing Europe

This session will feature presentations of innovative solutions for large scale retrofitting implemented in the ARV project, followed by a panel discussion focusing on challenges and impacts of industrialization, digitalisation, and affordability.

Presentations & Discussions

- **From File to Factory – Digitalization as the DNA of the renovation process**
Arjan de Haan, Buro de Haan
 - **RC panels**
NN
 - **From Forest to Finish: timber-based construction at the core of the Trento demo**
Marcello Curci, DTTN ; Rossano Albatici, UNITN
 - **Presentation**
NN, Housing Europe or Woonin
 - **Circular Economy Act**
NN
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15:00

Break

15:15

Renewable Energy, Storage, and Flexibility for the Common Good

Moderated by Jaume Salom, IREC

This session will feature keynote presentations on renewable energy and storage system implemented in the ARV project followed by a panel discussion on energy flexibility, its impacts and challenges.

Presentations

- **BIPV and Integrated Electrical Storage Design**
Wilfried van Sark, Professor at Utrecht University
- **Innovation in geothermal Storage. Energy tunnels**
Alessandra Insana, Assistant professor at Politecnico di Torino

Panel Discussion

- **Flexibility Market – How to implement flexibility in practice?**
Bernhard Kvaal, Project manager at Aneo
 - **Karvina experience**
NN, Nanopower
 - **Palma Experience**
Thibault Péan, Researcher at IREC
 - **Sonderborg experience**
Torben Esbensen, Project manager at Project Zero
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16:30

Break

17:00 The Way Forward: Turning Wins into Waves

Moderated by Jannika Aalto, Green Digital Finance Alliance

A conversation focused on solutions and next steps. The session will open with a brief, honest assessment of where the real bottlenecks lie, but the bulk of the hour will be forward-facing: what needs to happen, who needs to act, and how do we build on what ARV has produced.

Speakers

- *Maarten de Groote, Programme manager at VITO & Coordinator of oPEN lab*
- *Naomi Røkkum, CEO Construction City*
- *Arild Gustavsen, Professor NTNU*
- *Lluc Amengual, Project manager, Palma City Council*
- *Alison Burns, Policy Officer, DG RTD (TBC)*
- *EERA JP Smart Cities (TBC)*

18:00 Closing session

Moderated by Inger Andresen, NTNU.

What are the main takeaways from the ARV project?

Speakers

ARV Work package leads

19:00 Conference Dinner at Rockheim

Site Visits

Registration required

October 6th

12:00-12:30

Brattøra site visit

[Register here](#)

October 8th

8:30-9:30

ZEB Lab Site Visit

[Register here](#)