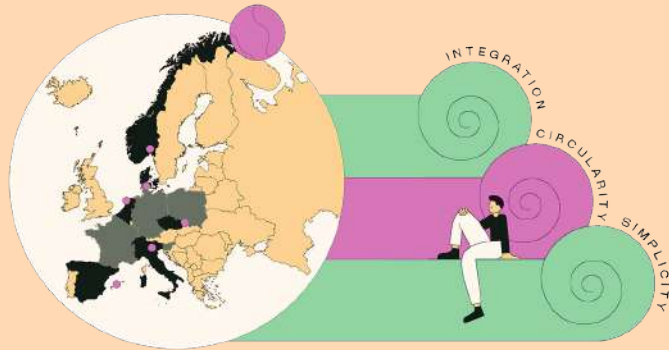


OUR CONCEPT

ARV is a H2020 EU-funded project aiming at creating climate positive circular communities in Europe and increasing the building renovation rate in the continent. To achieve this, we will employ a novel concept relying on a combination of 3 conceptual pillars, 6 demonstration projects, and 9 thematic focus areas.

3 PILLARS



The 3 conceptual pillars are integration, circularity, and simplicity. **Integration** in ARV means the coupling of people, buildings, and energy systems, through multi-stakeholder co-creation and use of innovative digital tools.

Circularity in ARV means a systematic way of addressing circular economy through integrated use of Life Cycle Assessment, digital logbooks, and material banks.

Simplicity in ARV means to make the solutions easy to understand and use for all stakeholders, from manufacturers to end-users.

CONTACT US



@GreenDealARV



@Green Deal ARV



www.greendeal-arv.eu



Norwegian University of Science and Technology
Høgskoleringen 1, 7491 Trondheim, Norway



OUR PARTNERS



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ARV



Contributing to the wide scale implementation of Climate Positive Circular Communities (CPCC) where people can thrive and prosper for generations to come.

ABOUT ARV

ARV is a Norwegian word meaning “heritage” or “legacy”. It reflects the emphasis on circularity, a key aspect in reaching **the project’s main goal of boosting the building renovation rate in Europe.**

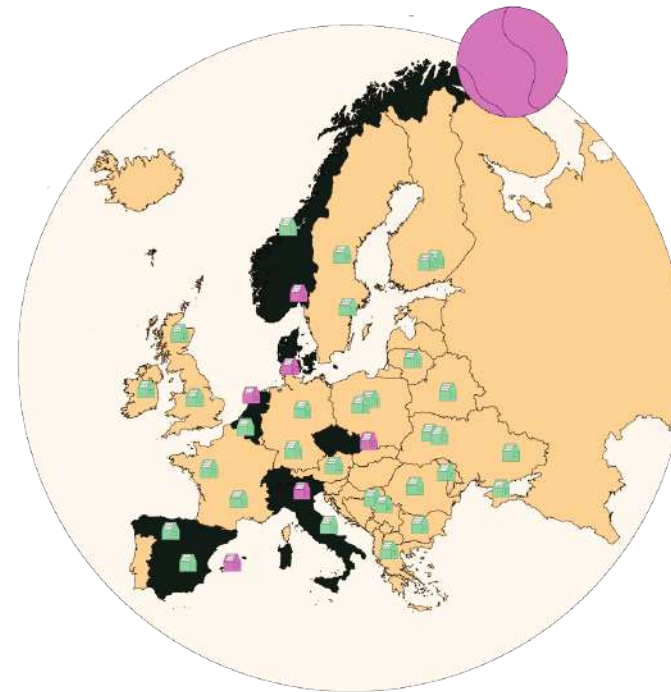
35 partners came together from **8 different countries** to enable rapid and wide-scale deployment of CPCCs around Europe.

ARV will facilitate a fast market uptake and cost-efficient replication of the CPCC concept, and thus significantly contribute to the full decarbonisation of Europe by 2050.



6 DEMONSTRATION PROJECTS

The 6 demonstration projects are urban regeneration projects in different locations around Europe. They have been carefully selected to represent the **different European climates and contexts**, and due to their high ambitions in **environmental, social, and economic sustainability.**



ARV will demonstrate innovative scalable solutions for renovation of **social housing and public buildings** that will give significant **reductions in construction and operation costs (30%)**, while provide **good indoor climate and architectural qualities** and **alleviating energy poverty** (at least 50% reduction in energy/power bills).

9 FOCUS AREAS

The 9 thematic focus areas are:

- 1**  Effective planning and implementation of CPCCs
- 2**  Enhancing citizen engagement, environment, and well-being
- 3**  Sustainable building re(design)
- 4**  Resource efficient manufacturing and construction workflows
- 5**  Smart integration of renewables and storage Systems
- 6**  Effective management of energy and flexibility
- 7**  Continuous monitoring and evaluation
- 8**  New business models and financial mechanisms, policy instruments and exploitation
- 9**  Effective communication, dissemination, and stakeholder outreach