

ACE aspires to climate positive circular communities

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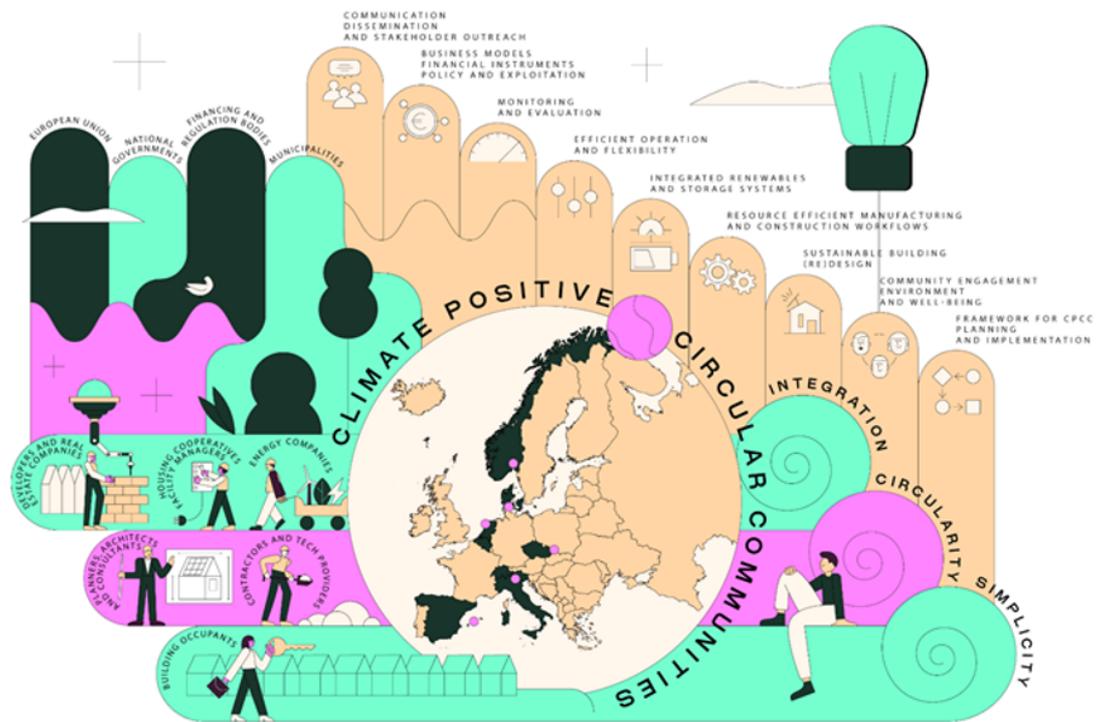
The ARV project has received 20M euros in funding from the EU's Green Deal call to research climate positive circular communities in Europe. The project will provide guidelines and a political framework for future energy-efficient and circular solutions in the construction industry. 35 partners from seven European countries are involved, including the Architects' Council of Europe. Establishing six climate-positive areas around Europe is at the project's core that kicked-off in January 2022.

The name ARV comes from Norwegian and means "heritage" or "legacy".

Urgent call for renovation of buildings

'We must increase the pace of renovation of our existing buildings if we are to achieve the climate goals, and we must think circularly', says Inger Andresen, project coordinator and professor at the Department of Architecture and Technology (IAT), NTNU. ARV is led by the Norwegian University of Science and Technology (NTNU) and was awarded the grant in fierce competition with 115 other applicants for the EU's Green Deal call.

'The Architects' Council of Europe has various policy working groups in this regard, but with this project we get the chance to contribute to the renovation wave and more inclusive society hands on. It is exciting to be part of cutting-edge research and development shaping the future built environment', states Dr. Veronika Schröpfer, Head of EU Research Projects at ACE.



The concept of ARV with the 6 demonstration projects of Climate Positive Circular Communities riding on the renovation wave (3 waves containing the pillars of integration, circularity, and simplicity) supported by the different stakeholders working together to make innovations in 9 thematic focus areas.

The core of the ARV project lies in the six large-scale demo projects in six European cities (Oslo in Norway, Sønderborg in Denmark, Karvina in the Czech Republic, Utrecht in the Netherlands, Palma in Spain and Trento in Italy). These will be developed as Climate Positive Circular Communities, which is a concept that rests on three main pillars:

- 1) circular economy
- 2) integration of people, buildings, and energy systems
- 3) simplicity – achieved by means of digitalization and industrialization.

'The ARV concept highlights an integrated circular design that cultivates the aesthetics and improves amenities for the buildings in line with the New European Bauhaus strategy', says Niki Gaitani from NTNU, who will lead the work on sustainable design of the demo projects. The 35 partners in ARV represent the entire value chain in the building and energy sector. With the Architects' Council of Europe and Housing Europe as European umbrella organisations. The ACE, as an official partner of the New European Bauhaus Initiative and the founder of the NEB Collective is proud to put its ambitions into practice through this project.

Find out more about the project and sign up to our newsletter:

<https://greendeal-arv.eu>

The 35 partners in the ARV project:



Norwegian University of Science and Technology (NO), **Architects Council of Europe (BE)**, Czech Technical University (CZ), Technical University of Denmark (DK), Danfoss AS (DK), ENFOR AS (DK), Project Zero (DK), EURAC Research (IT), SINTEF (NO), Palma City Council (ES), IBAVI (ES), Catalonia Institute for Energy Research (ES), METROVACESA (ES), University of Applied Sciences Utrecht (ES), Housing Europe (BE), Buro de Haan (NL), Center Denmark/EU Digital Innovation Hub (DK), Sønderborg Andelsboligforening (DK), Green Digital Finance Alliance (CH), Stichting Bo-Ex '91 (NL), RC Panels (NL), Utrecht University (NL), Municipality of Utrecht (NL), Bos Installatiewerken B.V. (NL), iWELL (NL), MEX Architects B.V. (NL), Mitros (NL), Municipality of Karvina (CZ), Dolomiti Energia (IT), Habitech (IT), University of Trento (IT), Politecnico Torino (IT), Oslobygg KF (NO), NanoPower (CZ), AIGUASOL (ES)



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