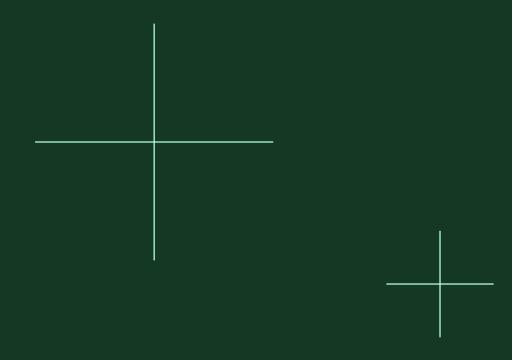


# D10.3 PROJECT WEBSITE, E-MARKETPLACE & SOCIAL MEDIA

WP10 COMMUNICATION, DISSEMINATION & STAKEHOLDER OUTREACH

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17.12.2024



# **PROJECT INFORMATION**

Project acronym	ARV <sup>1</sup>
Project title	Climate Positive Circular Communities
Project number	101036723
Coordinator	Norwegian University of Science and Technology / Inger Andresen
Website	www.GreenDeal-ARV.eu

# **DOCUMENT INFORMATION**

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<sup>&</sup>lt;sup>1</sup> 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.

# **ABOUT THE ARV PROJECT**

The vision of the ARV project is to contribute to speedy and wide scale implementation of Climate Positive Circular Communities (CPCC) where people can thrive and prosper for generations to come.

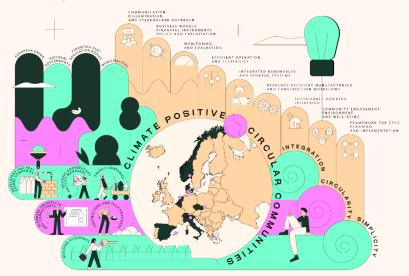
The overall aim is to demonstrate and validate attractive, resilient, and affordable solutions for CPCC that will significantly speed up the deep energy renovations and the deployment of energy and climate measures in the construction and energy industries.

To achieve this, the ARV project will employ a novel concept relying on a combination of 3 conceptual pillars, 6 demonstration projects, and 9 thematic focus areas.

**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.

**The 6 demonstration projects** are urban regeneration projects in 6 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. Renovation of social housing and public buildings are specifically focused. Together, they will demonstrate more than 50 innovations in more than 150,000 m2 of buildings.

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, and 9) Effective communication, dissemination, and stakeholder outreach.



The ARV project is an Innovation Action that has received funding under the Green Deal Call LC-GD-4-1-2020 - Building and renovating in an energy and resource efficient way. The project started in January 2022 and has a project period of 5 years, until December 2026. The project is coordinated by the Norwegian University of Science and Technology and involves 35 partners from 8 different European Countries.

#### **EXECUTIVE SUMMARY**

This report presents the progress of T10.3 ARV communication channels and dissemination material by describing the work carried out to continue developing Subtask 10.3.1 Project website, Subtask 10.3.2 E-marketplace, and Subtask 10.3.3 Social Media channels, as per Month 36 of the ARV project.

The **project website** (Subtask 10.3.1) was set up in M2 of the project (February 2022) by ACE and has been live since M3 (March 2022) as the main interface towards stakeholders who are interested in training possibilities and information and outputs of the project. The website acts as a communication and dissemination channel for the results and for involving and enlarging the stakeholder's community. It has been developed according to modern technology standards to inform visitors about the project objectives, strategy, results, the latest news, and upcoming events. All of the latter are presented in a modern and intuitive design that is appropriately shown across all mobile devices.

An **e-marketplace area** (Subtask 10.3.2) has also been set up by HE and embedded on the website as a kind of "one-stop shop". There, all project results will be merged, providing guidelines for end users, links to different resources, and information on product suppliers, software, spreadsheets, and datasets. Training material and technical guidance will also be included. Information will be easily filtered by type, topic, scale, country, license, etc. This area will also serve as a contact point for all demonstration projects targeting Climate Positive Circular Communities, enabling virtual connectivity and collaboration.

In addition to the website, **social media channels** (Subtask 10.3.3) have been created by ACE for ARV. Profiles have been set up on <u>Twitter</u>, <u>LinkedIn</u> and <u>YouTube</u>. The content of these media channels will be constantly updated with news from the ARV project and other relevant information (video diaries, citizen journalism, storytelling, etc.)

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# 1. OBJECTIVES

The objectives of this report are:

- To describe the aims and motivation behind ARV main communication channels: project website; e-marketplace; and social media.
- To present the design and development process for each of the channels and the related work carried out by the leading partner.
- To show the current look and feel of the different platforms.
- To provide the relevant links and login credentials to access the platforms.
- To advance the future updates of the deliverable.

#### 2. PROJECT WEBSITE

The ARV website is currently live for 34 months. To better engage the visitors, the website contains detailed information about the project 6 demonstration cases, the partners and networks (including sister and related EU-funded projects), news and events concerning the project, as well as the first results such as the <u>library</u> (includes scientific paper, publication and magazines) Encyclopenergy and the <u>e-Marketplace</u>.

As for 2024, the CPCCs landing page and each of the 6 CPCC pages have been improved in terms of content including picture, text, illustrations, related providers of the CPCC and maps (figure 2). The news and events pages have been also changed as for the structure by including 3 items per row instead of 1, also with a better preview of the content and a special newspaper visualization for phone, PC and tablet, making the surfing easier for the users (figure 4). The library page has been updated with the latest articles (scientific and non-scientific), newsletters (2 releases in 2024), ARV magazine, promotional material, and reports. Lastly, a newsletter subscription pop-up window notification has been added in the ARV homepage in order to increase ARV project outreach (figure 3).

In the last 16 months, the website has reached 104K total impressions and 2.76K total clicks. In D10.2 the KPI set for the website was 1K of total clicks/year, so the target has been reached.

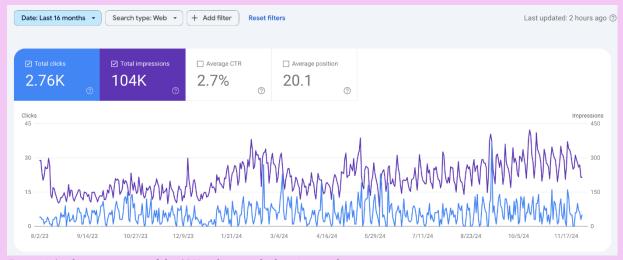


Figure 1 Analytics overview of the ARV website in the last 16 months

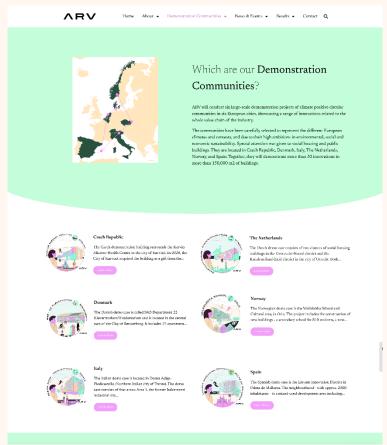


Figure 2 Landing page of the CPCCs improved in the last year

In 2024, the ARV project took action to increase the number of newsletter subscribers. Invitations to subscribe to the newsletter were added to all ARV presentations, and a pop-up window on the ARV website was created to call the users' attention. In addition, ARV newsletters will also be created as LinkedIn newsletter invitations, with the goal of achieving increased subscribers from the platform.

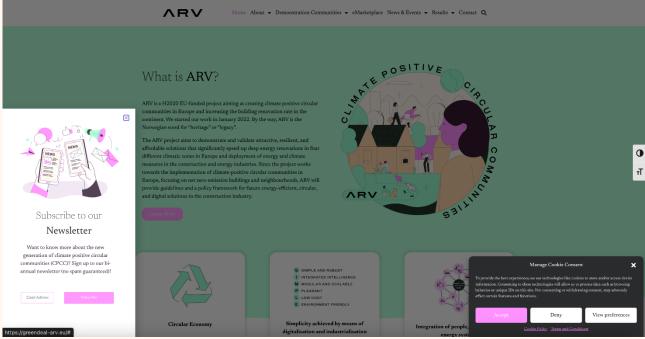


Figure 3 Newsletter subscription pop-up window notification has been set in this year



# News & Events

The project is funded by the Green Deal initiative and falls under the EU framework programme Horizon 2020. It started in January 2022 with a duration of 4 years.





ARV Success story – Using augmented reality models to engage stakeholders on retrofitting buildings

Read More

November 11, 2024



ARV Participation in the 16th International Conference on Sustainability in Energy and Buildings (SEB-24) (18-20 of September, Santa Cruz, Madeira, Portugal)

Read More

November 1, 202



2nd "Architects as facilitators of the energy transition: insights on two Plus Energy Buildings" workshop happened in Oslo (Norway)

Read More »

October 30, 2024



Policy recommendations paper published – Speeding up the implementation of Net Zero Emission Buildings and Neighbourhoods through targeted financial policies

Brad More »

October 22, 2024



ARV partipation in the European Climate, Infrastructure and Environment Executive Agency (CINEA) Cross-programme Buildings Clustering Meeting

Read More »



Workshop in Sønderborg explores the feasible energy efficient measures in housing associations and district heating networks – ARV event in Sønderborg (Denmark), 19-20 September 2024

Read More »

October 14, 200



Seminar on Activating Heat Demand Flexibility for Sustainable Heating

Read More



Architects as facilitators of the energy transition – ARV Workshop in Oslo on 18 October 2024

lead More »



1st "Architects as facilitators of the energy transition" workshop happened in Palma de Mallorca (Spain)

On 1.5 September 2024, the awareness-raising event titled "Architects as facilitators of the energy transition: experiences from Palma" was held in Palma de Mallorca, Spain.

September 20, 202

Figure 4 News and event page improved in this year

#### 3. E-MARKETPLACE

The e-marketplace is the window to all innovative services, products and knowledge to plan, design and deliver Climate-Positive Circular Communities in different climates and regions in Europe. An online space showing a wide range of innovations for circular district renovation demonstrated in real-life projects.

#### **OBJECTIVES**

- Aggregate, potentiate, and exploit ARV innovations.
- Streamline the resources helping the planning & delivery of CPCCs.
- Increase the potential for replicability of CPCCs.
- Improve knowledge and awareness of sustainable products, services and providers.
- Available at <a href="https://greendeal-arv.eu/emarketplace/">https://greendeal-arv.eu/emarketplace/</a>

The perceived uncertainty and lack of knowledge of building owners about the availability of local products, solutions, and services and their suppliers are key barriers for the transition to a circular construction and renovation sector.

The **e-marketplace** aims to overcome these challenges by creating a **window to services**, **products** and **knowledge generated as part of the ARV project**. It aims to streamline the process & delivery of ARV services, products, and installations as well as to increase the potential for replicability. There, all project innovations will be aggregated, including: **support, technologies and building systems, local resources and sustainable providers**. Information will be easily filtered by **type, topic, location, and licenses and certifications**. The e-marketplace aims to disseminate CCPCs as lighthouse examples for different target audiences such as policy-makers; building owners and housing associations; project developers; energy companies; architects; tenants. Resources will be presented in a visual, easy, and attractive way in a single place. This will facilitate market uptake and policy advocacy at community and EU level.

## 3.1. UPDATED TIMELINE

The timeline to continue the development of the e-marketplace from January 2024 (M25) until the end of the project is as follows:



Figure 5 Updated e-marketplace timeline

- The first batch of innovation entries was uploaded between M25-M26 (Jan-Feb 2024) drawing from the content presented in the D9.1 Annual ARV Innovation Intel Report submitted in M24.
- The public launch of the e-marketplace was done in M36 (Dec 2024) through ARV social media channels on the 10th of December. See <u>post on X</u> and <u>post on LinkedIn</u>.
- Several dissemination materials and activities were carried out along the year to introduce the emarketplace to the different target groups of the project.
- Further uploads are foreseen until the end of the project following the updates to D9.1 Annual ARV Innovation Intel Report scheduled for M36 (Dec 2024) and M48 (Dec 2025).

 Additional web design and dissemination activities will continue until the end of the project (M54, June 2026) to further adapt the interface to user needs and contribute to the project's exploitation objectives set out in WP9.

#### 3.2. CONTENT AND DESIGN UPDATES

In 2024, a total of 23 innovation entries were uploaded to the e-marketplace spread across the 'Support' and 'Technologies and Building Systems' categories. Entries can be sorted according to 2 levels of filters.

- 1. **General filter:** topic; climate zone and location
- **2. Sub-filters within each category:** Support (guidelines; methods; processes); Technologies and Building Systems (products and technical solutions; models and systems; databases; software); Local resources (funding programmes; materials; skills).

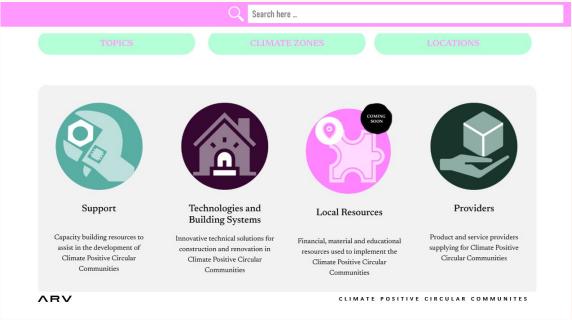


Figure 6 e-marketplace main categories

All innovations can be accessed here in one click.

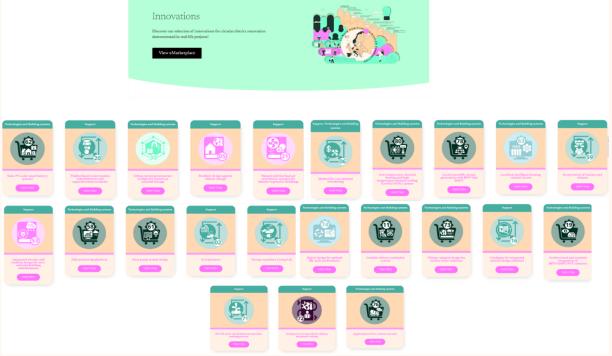
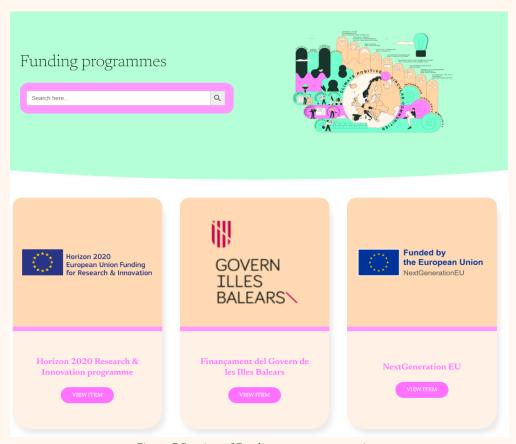


Figure 7 Preview of all innovation entries uploaded by December 2024

Further, **3 entries** have been uploaded within the <u>'Funding programmes'</u> subcategory under 'Local Resources'.



 $Figure\ 7\ Preview\ of\ Funding\ programme\ entries$ 

And **25 entries** have been uploaded within the 'Providers' category.

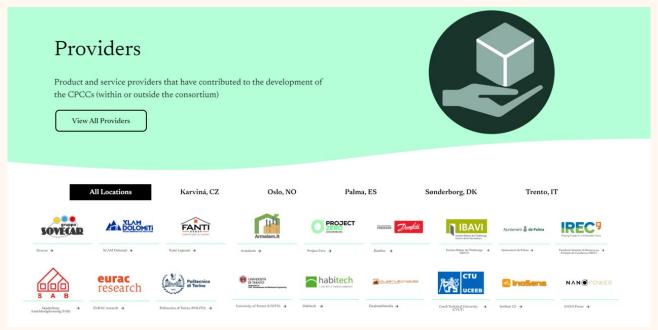


Figure 8 Preview of all providers uploaded by December 2024

Entries uploaded under 'Providers' can be filtered according to different 'Provider Groups'.



Figure 9 Preview of provider groups

Entries are presented according to common templates, based on the category they fall under (innovation (support and technology & building systems; local resources; and providers).

**Funding entries (within 'Local Resources')** are presented following the template below:

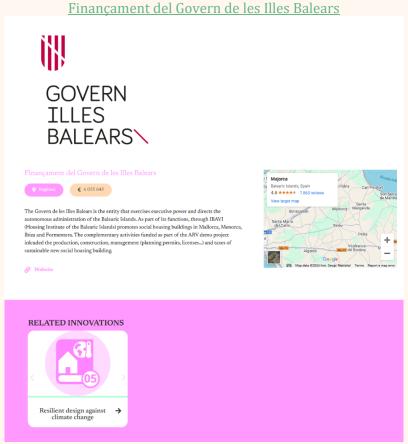


Figure 10 Preview of one of the funding entries

# **Innovation entries** are presented following the template below:

# Solar PV smart battery systems

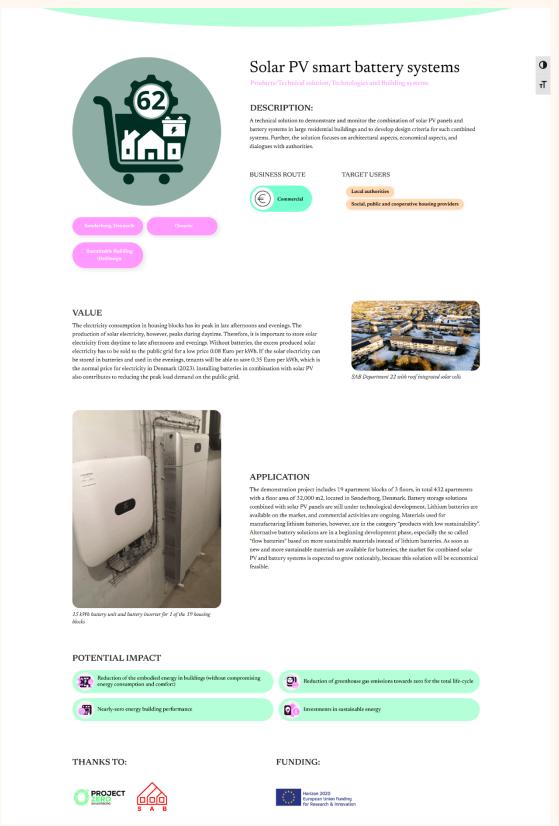


Figure 11 Preview of one of the innovation entries

**Provider entries** are presented following the template bellow:

# XLAM DOLOMITTI



Figure 12 Preview of one of the provider entries

# 3.3. DISSEMINATION UPDATES

#### **Dissemination activities**

The e-marketplace was presented at a series of conferences and workshops with the aim of raising awareness about Climate Positive Circular Communities and introducing ARV innovations to different target groups:

Workshop at <u>ECTP Conference</u> : <b>'The potential of circularity in district r</b> • <b>Aim:</b> to unravel how circular principles are used in district level renovative are the challenges; the good practices; and the tools available to upscale.  • <b>Audience:</b> SMEs in the construction sector; research centres; social and	vation projects: what ale pilot projects.
housing companies (30 ppl)	nd affordable
ARV DEMO engagement workshop (Trento): 'One-Stop-Shop for integral solutions & technologies'  • Aim: high-level discussion on decarbonisation of housing and on the OS local institutions; panel discussion on the potential of circular district recooperative and private housing in Italy; an exhibition of circular and su renovation solutions by suppliers; and a Helpdesk giving information or tailored advice on home renovation  • Audience: technology and product suppliers; district homeowners; soc providers; cooperatives; local and regional authorities (50 ppl)	OSS approach with renovation in social, sustainable on the project and
ARV DEMO engagement workshop (Utrecht): 'Revitalising the legacy of housing estates with the community' + World Garden City Conference  • Aim: raise awareness about people-centred large-scale renovation proj guided excursion to the modernist social housing estate of Overvecht No tour was followed by a peer-to-peer exchange with social housing associatate over the legacy of post-war housing estates together with nature and the social housing association and the social	ce (Amsterdam) ojects through a Noord district. The ociations on how to

 Audience: public, cooperative and social housing providers; local and regional authorities (50 ppl)

ARV DEMO engagement workshop (Sønderborg): 'Demonstration of feasible energy efficient measures in housing associations and in district heating networks'

- Aim: showcase energy- and cost-efficient technical solutions for social housing companies in Denmark and engage with tenants of the SAB demo to influence behaviour change on energy consumption.
- Audience: social housing companies; tech suppliers (50 ppl)

Success Stories from the Green Deal Projects Support Office: <u>'Using augmented reality models to engage stakeholders on retrofitting buildings'</u>

The e-marketplace was publicly launched on ARV social media channels X and LinkedIn and communicated to the wider public: ARV LinkedIn post and ARV X post

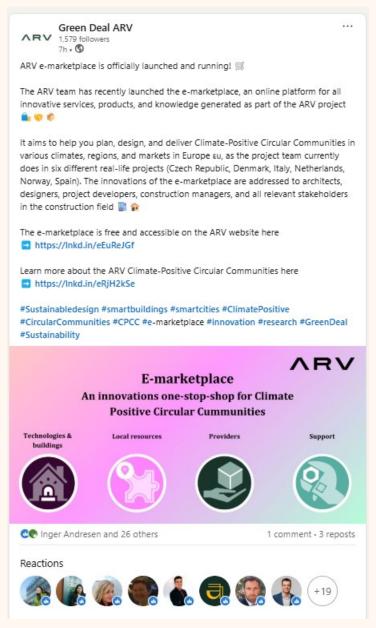


Figure 13 e-marketplace launch on LinkedIn

#### **Dissemination materials**

Printed materials were prepared to support the dissemination of the e-marketplace at the conferences and workshops where it was presented. The materials were translated into the local language when needed (i.e. Italian).

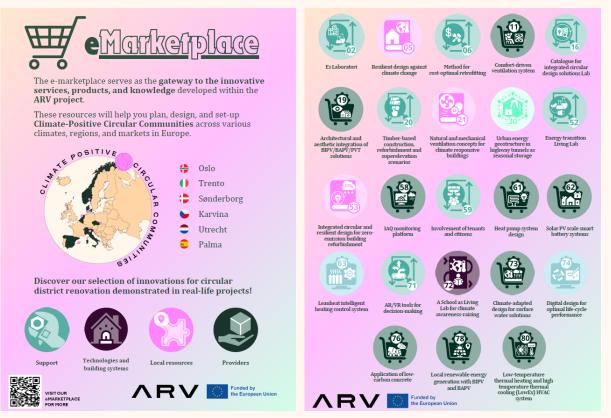


Figure 14 e-marketplace leaflet



Figure 15 Brochure with Sønderborg innovations (English)



Figure 16 Brochure with Trento innovations (Italian)

#### 3.4. FUTURE UPDATES

- Report from the second upload of entries presented at the D9.1 ARV Innovation Intel Impact Report (M36).
- Explore collaboration with well-established marketplaces and communities at EU level (Net-Zero Cities; Smart Cities Marketplace; Scalable Cities; Green Deal Support Office)
- Continue disseminating the e-marketplace at external conferences to foster replication (e.g. Smart Cities Expo 2025 in Barcelona; International Social Housing Festival 2025 in Dublin; amongst others)
- Continue organising workshops to assess the exploitation potential of ARV innovations across Europe.

#### 4. SOCIAL MEDIA

The ARV project has profiles on <u>LinkedIn</u>, <u>Twitter</u> and <u>YouTube</u> that are being active and constantly updated. They have been active since the project kick-off meeting (January 2022). Direct links to the social media channels have also been incorporated into the website.

#### Relevant activities on social media in 2024 have been:

- The ARV reading corner, a promotion campaign of the reports, ARV magazine, scientific publications and master's thesis developed in the framework of ARV;
- The constant promotion of ARV events organised by ARV partners and happening around EU;
- The ARV promotional videos from the CPPC community and demonstration leaders;
- News and events from ARV sister projects and ARV Green Deal Success stories posts;
- The ARV YouTube Channel presenting ARV Demonstration communities' videos, ARV Energy rehabilitation videos from Palma de Mallorca, Living Labs videos from the Climate Positive Circular Demonstration Communities, Virtual reality from the Spanish and Norwegian demo, and El Moose Videos etc.
- Other relevant initiatives that might be interesting for the ARV audiences.

In 2024, the ARV project took action to better promote ARV project results, such as reports and scientific papers. The reading corner was created with regular posts on social media and the latest content published by ARV partners.

## 4.1. ARV LINKEDIN PROFILE

The <u>ARV page on LinkedIn</u> has 1,572 followers as of December 2024. The KPI in D10.2 sets a minimum 500 people for all social media combined, so the target has been reached. On LinkedIn, there are regular posts that are often shared by partners and other followers. In the last 90 days, the page had 126 unique visits, 71 new followers, and 716 post reactions.

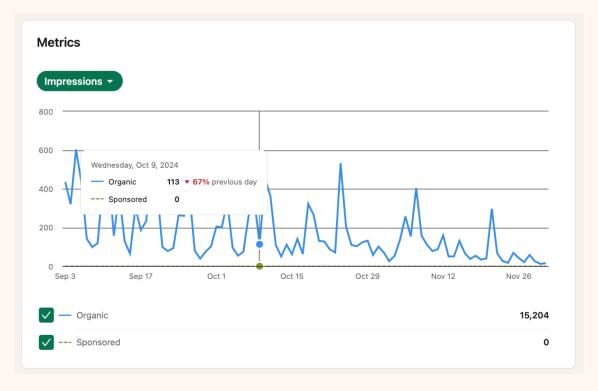


Figure 17 LinkedIn impressions in the last 90 days

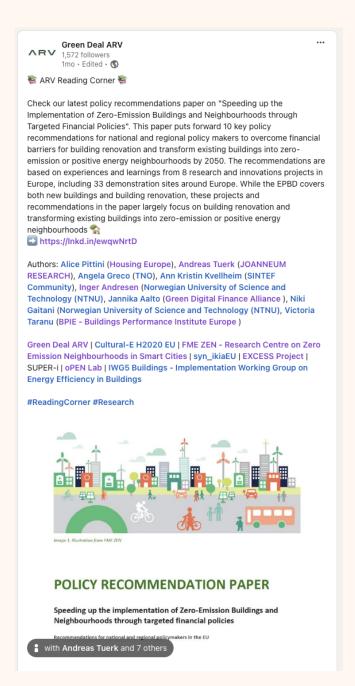
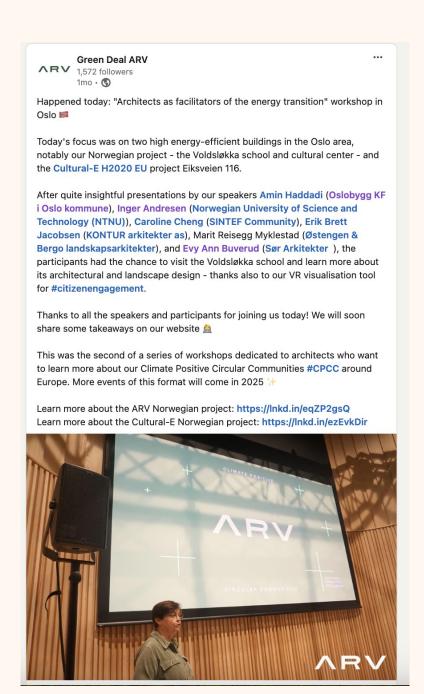




Image All 1,249 - 43 3.44%



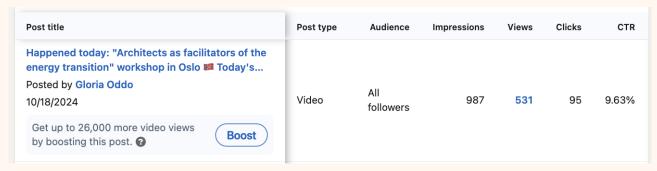


Figure 18 Examples of successful LinkedIn posts per number of impressions and clicks

# 4.2. ARV X (FORMER TWITTER) PROFILE

The ARV X – former <u>Twitter</u> profile counts 153 followers, the types of followers include researchers, architects, engineers, energy efficiency experts, representatives from municipalities as well as European Commission bodies, European construction stakeholders, project partners, and other H2020rizon Europe EU-funded projects.

@GreenDealARV has posted 370 tweets in total, while continuously retweeting from partners, sister projects and other relevant initiatives. Over the last month, the account has had 66 impressions. In 2024, X started to charge for analytical data information. Therefore, this report features only free analytical information available in X.

ARV X – former Twitter profile: <a href="https://twitter.com/GreenDealARV">https://twitter.com/GreenDealARV</a>

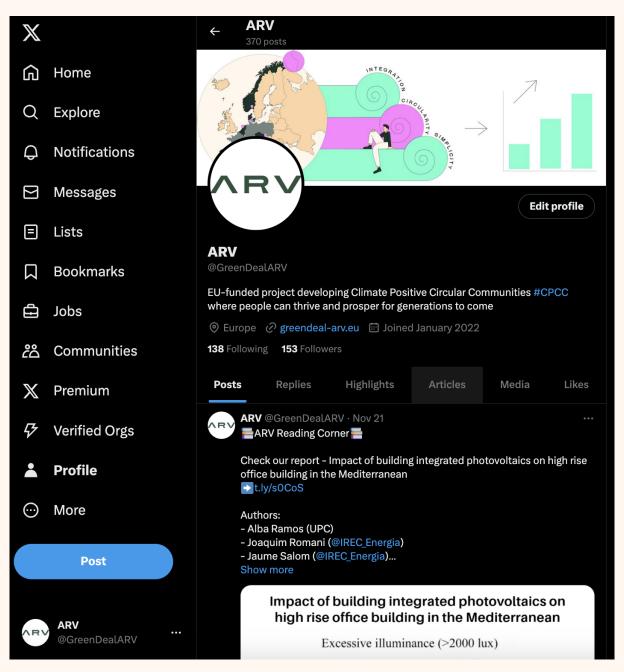
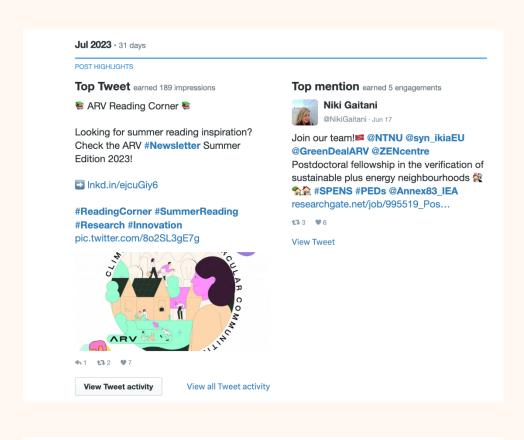


Figure 19 ARV X- former Twitter profile



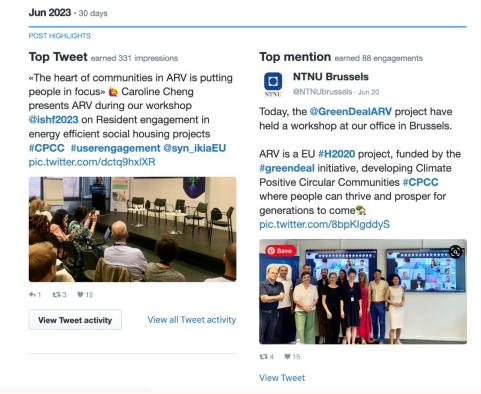
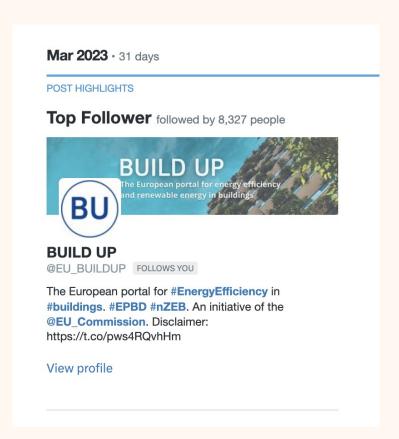


Figure 20 Examples of Top Tweets per impressions and Top Mentions per engagements



#### 4.3. ARV YOUTUBE CHANNEL

The ARV YouTube channel was set up at the beginning of the project (January 14, 2022). Currently, there are 21 videos available. The first overview presentation of the project, published in the very first months, has 177 views so far. The others present the demonstration buildings, ARV Demonstration communities' videos, ARV Energy rehabilitation videos from Palma de Mallorca, Living Labs videos from the Climate Positive Circular Demonstration Communities, Virtual reality from the Spanish and Norwegian demo, and El Moose Video. The channel has 22 subscribers, and videos were viewed 1,345 times (December 2024). Under playlists, we have linked further project-related videos of ARV Energy rehabilitation videos from Palma de Mallorca, ARV Living Lab Videos and ARV demonstration communities' videos produced and published by the partners on their channels, etc.

ARV YouTube Channel - <a href="https://www.youtube.com/@arv7008">https://www.youtube.com/@arv7008</a>

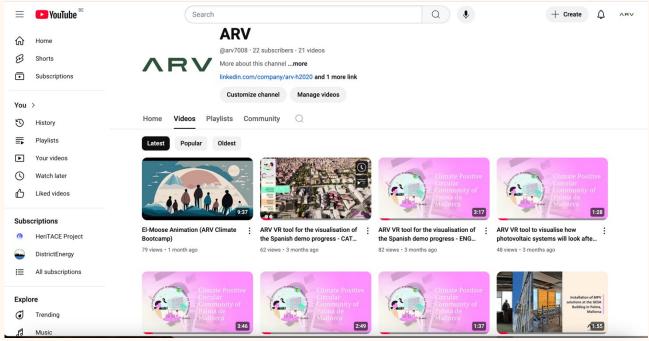


Figure 21: ARV YouTube Channel

# 6. FUTURE UPDATES

This deliverable will be updated in M48 (December 2025, <u>fourth version</u> and a final updated in M60 at the end of the ARV project. The next version will report on the progress and describe the relevant work between M36 and M48.

# 7. ACKNOWLEDGEMENTS AND DISCLAIMER

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This deliverable contains information that reflects only the authors' views, and the European Commission/CINEA is not responsible for any use that may be made of the information it contains.

# 8. APPENDIX A - GLOSSARY OF TERMS

Abbreviation	Description	References
CPCC	Climate Positive Circular Communities.	See ARV Deliverable D2.1 for a detailed definition of CPCC.

# 9. PARTNER LOGOS







































































