



ARC in EU PROJECTS



Airport Regions Council (ARC), founded in 1994, is the Association of regional and local authorities with an airport situated within or near their territories. Our members represent more than 70 million residents all over Europe and beyond.

ARC brings together a wide range of expertise at the interface of air transport and airports, and local and regional administrations. A common concern is to promote and to balance at the same time the benefits generated by the airports (revenues, jobs, transport network...) and their environmental impact (noise, air quality, urban limitations). A balance that can only be reached with the establishment of a direct and honest relationship between the local and regional administrations and the airport authorities, supported by a shared common vision and with best practice proposals.

OUR VISION is to bring together a region and an airport and to facilitate their interaction and co-operation on all levels, ranging from governance, economy, environment, urban planning and mobility. Their collaboration will further help to improve residents' quality of life, to avoid, prevent, minimise and compensate the negative impact of airport activities. It will also provide its members with tools and knowledge to plan, invest, share and maximise the benefits of the aviation sector.

OUR MISSION is to communicate and disseminate airport regions' interests towards the European institutions and key airport and aviation stakeholders. We maintain solid relationships with several members of the European Parliament who care about the same goals and share the same vision. ARC is also present in numerous conferences and political forums where policy is being discussed together with the main aviation stakeholders. ARC is building a professional network and a platform to foster knowledge building and sharing. ARC helps its members to be updated with the state of the art and to anticipate aviation changes by enabling fast and extensive access to research studies, EU projects, press releases, training and news on current issues.

OUR VALUES stand in our ambition to enhance the quality of life of citizens neighbouring airports, reach the lowest possible impact on the environment and achieve economic growth of airport regions, as well as care about the human factor which is inseparable from this evolution.

Erich Valentin
ARC President



OUR INTERESTS ARE IN LINE WITH THE CONCERNS OF OUR MEMBERS

Air Quality | Branding and Territorial Marketing | Climate Change|Congestion and Airport Capacity | Connectivity | Economic Growth | Governance | Intermodality | Noise Management, Reduction, Mitigation and Compensation | Regional Development | Renewable Energies |Smart Cities | Smart and Sustainable Mobility | Sustainable Aviation | Training and Employment|Urban and Territorial Integration | Urban Air Mobility



IN-HOUSE CAPABILITIES

Communication Strategy

Events and Webinars

Website Development

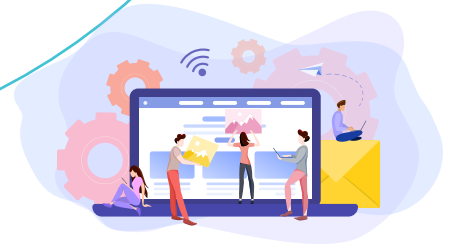
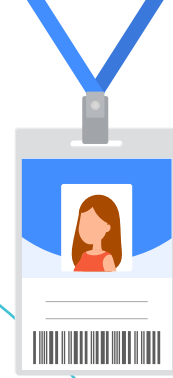
Promotion Activities and Speaking Opportunities

Final Reports and Transnational Action Plans

Videos and Graphic Design

Newsletters and Press Releases

Policy Papers



ARC AS PARTNER IN PROJECTS

Throughout its years of activity, ARC has gained substantial experience in policy-making as well as communication and dissemination of EU-funded project results. As the leader of these activities, ARC can support efficiently and effectively the following objectives:

- Build a strategic approach to inform the project target groups, the general public and the media about the project results;
- Raise public awareness, increase knowledge and show direct and indirect benefits of project results;
- Maximise the project impact through efficient communication and dissemination of results to policymakers, stakeholders and our existing network of member regions;
- Engage and disseminate the project results to the audience that can best add to the impact of the project, such as the end users;
- Encourage policy changes amongst regions through our network;
- Support the achievement of EU strategic policy goals;
- Enable use and uptake of project results;
- Accelerate promotion and replication of project solutions by organising high-level events in the heart of Brussels, at our premises, thus ensuring participation of policy-makers at European level.

The projects we are partners of are listed on the following pages in chronological order.



MultiModX

Integrated Passenger-Centric Planning of Multimodal Transport Networks

2023 – 2025

The goal of MultiModX is to develop a set of innovative multimodal solutions and decision support tools for the coordinated planning and management of multimodal transport networks. MultiModX develops a multimodal modelling and evaluation framework, including a set of key performance areas and indicators, that enable a comprehensive characterisation of the impact of multimodal transport systems and multimodal solutions for a range of stakeholders. It will improve existing indicators and metrics and complement current frameworks by more meaningful passenger-centric metrics for better measures of significant disruption (e.g., longer delays, missed connections, denied boarding, cancellations).

MultiModX will deliver several solutions which will build on the project's vision of a multimodal European transport system in which air and rail networks are planned and managed in a coordinated manner to maximise efficiency, predictability, environmental sustainability and resilience of the door-to-door passenger journey. The Performance Assessment Solution will support the design, implementation and evaluation of these (and other) multimodal solutions by enabling ex-ante assessment and ex-post monitoring of their impact on a comprehensive set of KPIs.

Multimodal Transport Networks



Propelling eUropean Leadership through Synergizing Aviation Research

PULSAR

Propelling eUropean Leadership through Synergizing Aviation Research

2023 – 2027

pulsar-project.eu

The primary goal of PULSAR is to help European policymakers identify key aviation research efforts that must be carried out until 2050 and beyond with respect to aviation noise and emissions, in the framework of the EU environmental objectives.

Given the current context of regaining EU strategic autonomy and attractiveness, the aviation sector must anticipate the needs for new skills, education, and qualified human resources to tackle environmental issues, future innovations, and regulations. Moreover, citizens and stakeholders need to be better informed about the aviation sector's challenges and innovations to address climate concerns, and emissions and noise impacts at airports. Their concerns also need to be better acknowledged to improve quality of life. Therefore, the secondary objective of PULSAR is to connect the European aviation R&I roadmap for noise and emissions with education and skills, and to further communicate the European aviation R&I to citizens and relevant stakeholders.

Consolidating R&I Roadmap

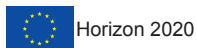


SAMVA
SBAS (EGNOS) Adoption in Multicopter VTOL Aircrafts
2022 – 2024
samva-project.eu

SAMVA focuses on the operational implementation of EGNOS satellite-based operations for new autonomous and electric aircraft capable of taking off and landing vertically (e-VTOL). SAMVA project will increase the adoption of EGNOS technology within the provision of rotorcraft services and will pave the way towards seamless integration of VTOL autonomous aircraft by:

- Achieving operational use of EGNOS within Helicopter Emergency Medical Services by implementing the first Point-in-Space and Low-Level-Route operation in Spain.
- Deploying the first EGNOS VTOL operation at a European airport (LEDA) and demonstrating how EGNOS can support ATM tasks for entry into operations.
- Unleashing EGNOS capabilities on board a VTOL Autonomous Aerial Vehicle (AAV) (EHANG EH216) to provide precise and integer navigation guidance and support U-Space Airspace integration.
- Developing, in-flight test and validation, an EGNOS RNP flight procedure design criteria based on the specific navigation performance from an AAV passenger capable.

Vertical Landing



OLGA
hOListic Green Airport
2021 – 2026
olga-project.eu

OLGA is based on an integrated approach and will develop innovative sustainable measures for reducing both airside and landside emissions, while improving energy efficiency, air quality, biodiversity, and waste management. These solutions support the European Union's (EU) carbon neutrality ambition and aim to improve quality of life.

Focusing on boosting environmental performance at airports from flight operations, passenger and freight, and community perspectives, OLGA is uniquely positioned to showcase innovative sustainability measures and to prove scalability and EU-wide applicability.

Four international airports and their local stakeholders are involved in the project: Paris-Charles de Gaulle, Milan Malpensa, Zagreb, and Cluj. In addition, the OLGA project will connect with other EU-funded projects and initiatives focused on green aviation, boosting Europe as a pioneer in smart and sustainable mobility.

Green Deal and Sustainable Mobility



DREAAM

Development of Regional Employment and Airport Areas Manpower

2018 – 2020

airportregions.org/dreaam

DREAAM fostered an exchange of good practices on vocational education and training (VET) in airport areas by focusing on regional branding, job attractiveness, skills definition and mobility. The project aimed to facilitate the recruitment process for regions and airport platforms and to create more training and employment opportunities for the surrounding local communities.

The DREAAM project has analysed the regional employment situation in six airport areas: Paris, Maastricht, Brussels, Barcelona, Berlin and Frankfurt. Based on this analysis, a best practice guide on training and employment in airports areas was delivered at the end of the project.

Employment in Airport Areas



ANIMA

Aviation Noise Impact Management through Novel Approaches

2017 – 2021

anima-project.eu

The ANIMA project sought to directly improve the lives of local communities surrounding airports, whilst also supporting policymakers, researchers and airport managers to make better decisions which balance economic and regulatory requirements to achieve the best outcomes for everyone.

ANIMA was built on an innovative approach, which stems from its unique way of associating aircraft engineers with specialists in urban geography, psychologists and sociologists as well as with experts on aviation regulation. Together, they set and evaluate scenarios and they engage in dialogue with airports and noise-affected communities in order to capture how interventions to mitigate aviation noise are implemented and how far these steps are effective in reducing annoyance or in improving the quality of life of nearby residents.

Aviation Noise



LAirA
Landside Airports Accessibility
2017 – 2020
airportregions.org/projects/laira

LAirA aimed to address serious climate concerns precipitating across Central Europe and beyond, in relation to travel to and from airports. The LAirA project focused on the mobility integration of airports to be coupled with multimodal solutions to offer smart and low carbon land transport from major city centres and its commuting zones, referred to as functional urban areas (FUAs). The project sought to reduce the environmental impact of transport activities by changing mobility behaviours of 56 million passengers and 39,000 employees across eight airports in Central Europe, specifically; Budapest, Dubrovnik, Milan, Poznan, Stuttgart, Vienna and Warsaw.

One of the key results of the project is the Transnational Strategy, which focused on identifying actions for sustainable land transport and access at LAirA airports with the final objective of reducing the CO2 emissions. The approach integrated seven key thematic areas including electric mobility, air-rail links, walking and cycling, shared mobility, information technology systems, wayfinding and public transportation.

Modal Shift and Behavioural Change



dAIR
Decarbonising Airport Regions
2012 – 2014
airportregions.org/projects/dair

The goal of dAIR was to improve the surface accessibility to airport zones and the CO₂ neutrality of airport operator activities. The project paid special attention to the optimal involvement of business R&D communities in creating well connected green airports.

dAIR looked at how the carbon from surface access and airport operations can be reduced. These two together account for about half of the carbon footprint. Through study visits and workshops, as well as stakeholder forums, the project partners exchanged experience on reduction solutions that had been used and had worked at other airports and how they could be applied to their own.

Decarbonising Airport Areas

ARC is also engaged in the advisory boards of various EU-funded projects, providing professional expertise on current initiatives.

ALIGHT - A Lighthouse for the Introduction of Sustainable Aviation Solutions for the Future

With Copenhagen Airport as the lighthouse, an example of the sustainable airport of the future will be created. The project will both focus upon infrastructure for sustainable aviation fuel and renewable energy sources for ground activities. (<https://alight-aviation.eu/>)

ASSURED-UAM - Acceptance Safety and Sustainability Recommendations for Efficient Deployment of Urban Air Mobility

The project aims to guarantee outstanding robustness in terms of safety, sustainability and acceptability of UAM. It will promote aviation best practices, standards, recommendations and organizational solutions to the administrative and legislative bodies. (<https://assured-uam.eu/>)

AURORA - Taking Action on Climate Change

The project is demonstrating how people can make a difference through the choices they make, reducing 13-20% of all greenhouse gas emissions linked to residential energy use and 13% linked to transport choices. (<https://www.aurora-h2020.eu/>)

INDIGO - Integration and Digital Demonstration of Low-emission Aircraft Technologies and Airport Operations

The project will unite academia, research centres and airports to identify to improve local air quality and noise reduction resulting from a new nonconventional mid-range aircraft.

NEEDED - Next Generation Data-Driven Reference European Models and Methods towards Silent and Green Aircraft Operations around Airports

The project aims to deliver the next generation of reference European models and methods at TRL4 to estimate present and future aircraft emissions (pollutants and noise) and the number of people affected by them. (<https://www.needed-project.eu/>)

SYN+AIR - Synergies Between Transport Modes and Air Transportation

The main objective of SYN+AIR is to develop a Smart Contracts Framework, to tackle the aforementioned challenges. (<https://syn-air.eu/>)

X-TEAM D2D - Extended ATM for Door to Door Travel

The project aims at defining, developing and initially validating a Concept of Operations (Con-Ops) for the seamless integration of ATM and Air Transport into an overall intermodal network, including other available transportation means (surface, water), to contribute to the ACARE SRIA FlightPath 2050 goal. (<https://xteamd2d.eu/>)



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