

Getting to net-zero, the airport region perspective

Sergi Alegre
Director General



Airport Regions Council: Who We Are

ARC is the association of regional and local authorities with an airport situated within or near their territories.



Airport Regions Council: Our members



Austria

Vienna City Council

Belgium

Province of Vlaams-Brabant
The Walloon Company of Airports (SOWAER)

Czech Republic

Prague Airport Region

Greece

Region of Western Greece

Finland

Uusimaa Regional Council
Vantaa City Council

France

L'Institut Paris Region

Germany

Metropolitan Region Rhein-Neckar
Regional Authority Frankfurt/RheinMain

Ireland

Fingal County Council

Israel

Eilat Municipality & Eilat Regional Council

Malta

Transport Malta

Netherlands

Province of Drenthe
Rotterdam City Council

Norway

Viken County Council
Region of Gardermoen Intermunicipal Political Council

Portugal

Metropolitan Authority Porto

Romania

Iasi County Council

Slovakia

Kosice Self-governing Region

Spain

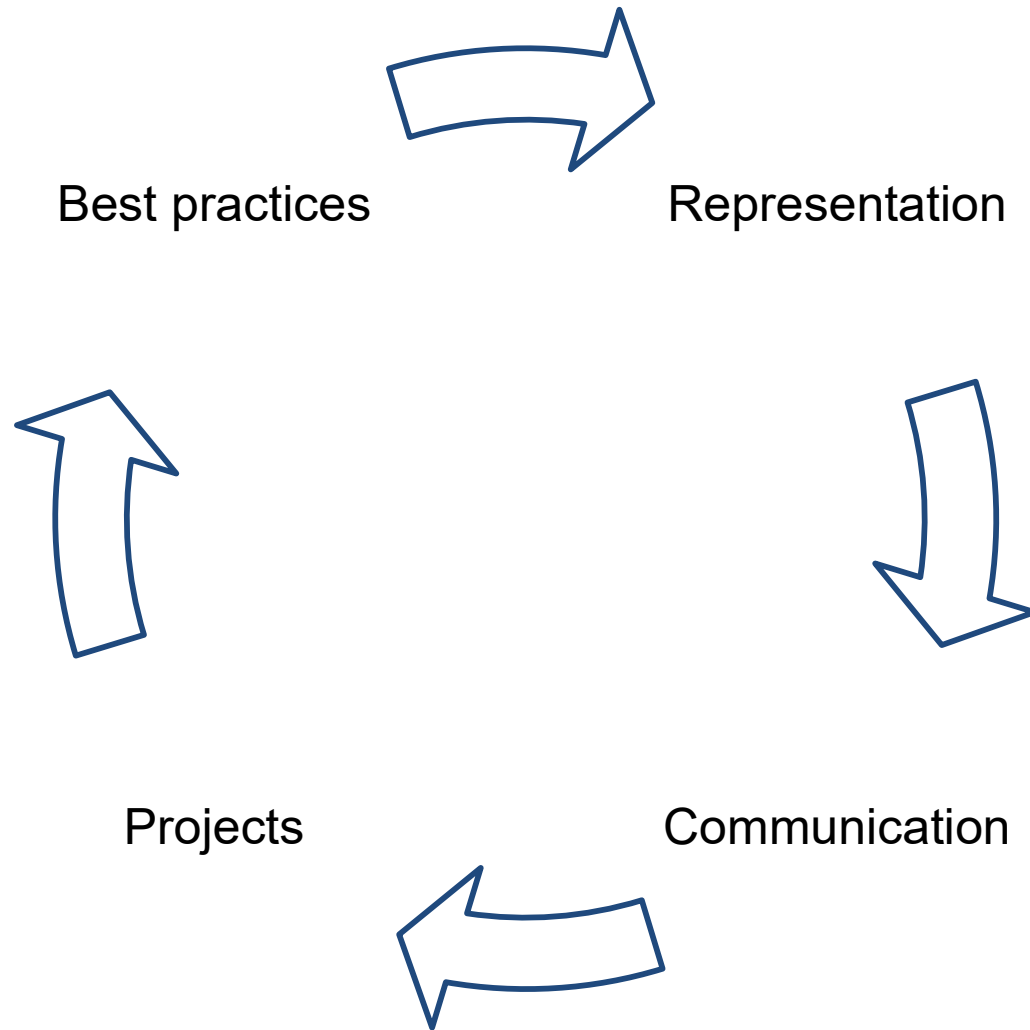
Barcelona Municipal Council
El Prat de Llobregat Town Council
Gavà Town Council
Government of Catalonia
Castelldefels City Council
Ingenio City Council (Canary Islands)
Viladecans City Council

Sweden

Municipality of Härryda



WHAT DO WE DO?



Projects



→ Aviation Noise Impact Management through Novel Approaches



→ Landside Airport Accessibility



→ Regional employment and airport areas



→ Decarbonising Airport Regions



→ EU Green Deal, green airports, cross-fertilisation with TULIPS, STARGATE AND ALIGHT

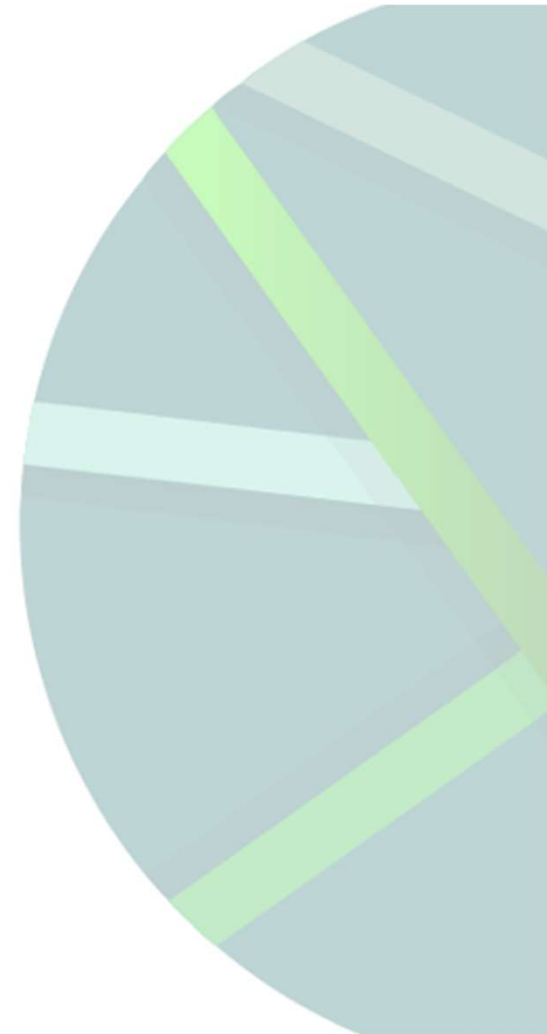


www.olga-project.eu



KEY FIGURES

25 M€	funding request
34 M€	project
4	airports (CDG, MXP, ZAG, CLJ)
42	partners
9	third-parties
9	countries
60	months project
9	work packages
40	tasks
27	advisory board members





OLGA's expected impacts

VISION

Green airports as **multimodal hubs**, optimising passenger and freight flows for low emission mobility, in a context of much stricter public health criteria





SPECIFIC GOALS MOGI

- To develop and demonstrate the integration of decision support tool for planning city bus transport electrification with the software solution for airports and gravitational area.
- To develop and integrate transport decision support platform that includes new tools and traffic optimization mechanisms, which will be used for planning of strategic and operational transportation related activities used for infrastructure and services optimization within the airport gravitational area(s).
- To demonstrate the integration of Connected and Automated Vehicles (CAV) in the public transport for connecting the airport with the city using new technologies.
- To optimize usage of trains for special cargo traffic, as for Olympics using innovative optimization algorithms.
- To demonstrate the usage of waste as biofuel for NGV buses.





WP 2 Mobility – Progress Overview

Low-carbon connection with cities

Permissions for application integration in H2/e-buses planning process was obtained. A transport demand and supply analysis based on the existing transport services to and from the airports is done.

Traffic flow optimization

Use cases identified and sources of data, as well the periods for the collection of telecom data for Zagreb airport and gravitation area and collection of data from different sources (airport data, telecom data, public transport data for the development of multi-modal optimisation algorithms.





Autonomous landside mobility

Romanian government approved the usage of autonomous vehicles on public roads.

Rail-air intermodality

“Clear the sky” by-weekly meetings and site-inspections have been arranged. Questionnaire (QR code based) is being developed, to perform survey about the transport mode people use for reaching the airport.





POLICY RECOMMENDATIONS

1. Demand knowledge is crucial

- ✓ Undertake scheduled airport ground access surveys
- ✓ Identify the segments with specific needs
- ✓ Monitor the adequacy of the system with the development of demand





2. Airport authorities and companies must be involved in the local environmental and mobility strategies

- ✓ Define the stakeholders and get them to the table
- ✓ Coordinate with the regional and national strategies

3. Emphasize public transportation

- ✓ Find the appropriate mix of services and infrastructures for your situation
- ✓ Provide specific services to the different geographic scales





4. Ensure a high level of performance

- ✓ Define what the target of your performance should be and monitor it

5. Envision ground transportation from a passenger's point of view

- ✓ Integrated Ground Transportation Centers make journeys easier
- ✓ Human presence is essential





ARC PUBLICATIONS

Some ARC publication on the topic of mobility around airports
(www.airportregions.org):

- . Guidelines on Low Carbon Emission Landside Accessibility to Airports
- . An Intermodal Approach Towards Airport Access
- . Air-Rail Link – LAirA project report
- . Landside Accessibility to Airports: International best practice report
- . Multimodal and Sustainable Low Carbon Mobility Integration of Airports and their Catchment Areas





THANK YOU!

