METHODOLOGY FOR STAKEHOLDER ENGAGEMENT

DELIVERABLE D.T2.2.1 / D.T2.2.2 / D.T2.2.3 / D.T2.2.4

VERSION N.2   05/2023

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1 INTRODUCTION

In the context of Airport Carbon Accreditation Level 3, referred to as 'Optimisation,' airports are obligated to involve their external parties in the management of carbon footprints. Third parties include airlines and various service providers, such as independent ground handlers, catering companies, air traffic control and others entities operating within the airport premises. This requirement extends to collaboration with transportation authorities and users regarding surface access modes such as road and rail.

Regarding Stakeholder Engagement at Level 3, airports must ensure that they meet the following prerequisites at a minimum:

- Identification and categorization of stakeholders the airport can guide and those it can influence;
- Allocation of clear roles and responsibilities for engaging and facilitating partnerships with key stakeholders;
- Presentation of a clear implementation plan of the intended approach to engaging with stakeholders including proposed actions and timings.[1]

However, not all stakeholders possess an understanding of their vulnerability or the actions they can take to proactively adapt to carbon footprint management and reduction. Therefore, raising awareness is a crucial element of the optimization process aimed at managing the impacts of carbon footprint management, enhancing awareness, and reducing overall emissions.

At both Level 3 and 3+, airports are required to demonstrate the formulation and effective implementation of a Stakeholder Engagement Plan. This plan should reflect a sincere and thoughtful commitment to engage with stakeholders. It should also demonstrate ongoing dialogue, the sharing of best practices, and the promotion of cooperation with stakeholders to reduce emissions stemming from significant stakeholder operations.

Airports are required to provide responses in the following three sections:

Stakeholder Policy: The policy section should include how stakeholders have been identified, categorized and prioritized. Evidence for the policy should include an official internal document to demonstrate that stakeholder engagement is taking place and has been signed off to show that there is investment and senior commitment to the programme.

Responsibility: The responsibility section must indicate who will engage and facilitate partnerships with stakeholders.

Engagement in Practice: evidence that the stakeholder engagement activities detailed by the airport is taking place. These activities may include campaigns and training, interactive sessions and joint initiatives. The evidence will vary dependent on the activity in question, but may include minutes from meetings with stakeholders, presentation handouts or external communications. Additionally, the appropriate documentation should be requested for any new standards or clauses such as minimum performance standards for stakeholders, that have been incorporated into the airport's operations.[2]

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[1] From: https://www.airportcarbonaccreditation.org/about/6-levels-of-accreditation/optimisation.html
[2] Airport Carbon Accreditation Verifier Manual (Issue 1), November 2020

Specific examples of ways in which an airport could work with stakeholders to reduce carbon emissions include:

➢ Awareness and behavioural change campaigns to raise the profile of energy efficiency and low carbon practices across the airport community. This could include campaigns encouraging specific behaviours such as vehicle switch off / reduced idling time.

➢ Formal airport-wide schemes to encourage and facilitate take up of specific personal or operational practices or choice of equipment or vehicles. For example, car sharing programmes, clean vehicle schemes and waste minimisation and recovery programmes.

➢ Working with key business partners to ensure that they understand airport policy, goals and objectives and can support implementation. For example through groups or consultative committees representing airport tenants and airside operators.

➢ Working with airport planners and third parties to ensure that an airport's infrastructure plans reflect and implement the airport's carbon reduction goals and can facilitate reductions in the emissions from major third parties. Working with airlines to reduce the use of Auxiliary Power Units (APUs) and taxiing times would be one example of this.

➢ Providing training to third parties on energy efficiency and carbon management techniques.

➢ Setting minimum performance standards, e.g. for building / retail unit refurbishment, operational practices and vehicle fleets.

➢ Using incentives and cost structures to encourage good practice and use of efficient vehicles, such as differential charging for aircrafts with lower / higher emissions.

➢ Building-in carbon / energy considerations into existing third-party lease / contractual conditions and/or incorporating checks on performance and implementation in airport auditing processes.

➢ Forming strategic partnerships with key airport operators including airlines or contractors to collaborate on investment projects and opportunities, for instance in relation to Sustainable Aviation Fuels (SAF).[3]

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[3] From: https://www.airportcarbonaccreditation.org/about/6-levels-of-accreditation/optimisation.html

2 AWARENESS AND BEHAVIOURAL CHANGE CAMPAIGNS (D.T2.2.1.)

Fostering public awareness holds a vital role in boosting enthusiasm, rallying support, spurring self-initiated action, and leveraging local expertise and resources. Promoting awareness requires the implementation of effective communication strategies to achieve the desired outcomes. An awareness-raising campaign is of paramount importance in society as it serves as a powerful tool to inform, educate, and engage individuals on critical issues, fostering a collective understanding and motivating positive action.

Such campaigns can impact a wide array of actors, including individuals, communities, governments, non-profit organizations, and businesses. At the individual level, awareness campaigns can empower people to make informed decisions and inspire them to participate in social change initiatives. On a community scale, these campaigns can unite people around a common cause, promoting solidarity and collaboration. Governments can be influenced to enact policy changes when public awareness is heightened, and non-profit organizations can garner support and resources for their causes. Moreover, businesses can adopt more responsible and sustainable practices when consumers are better informed about the environmental and social impact of their products.

During awareness-raising campaigns, a diverse array of communication means can be harnessed to effectively convey the campaign's message and reach a broad audience. This means include dissemination of printed materials; organization of public meetings and trainings; organization of workshops and forums; communication and information through social and mass-media; using informal networks for information dissemination, and so on.

Awareness-raising campaigns often follow a strategic sequence to effectively change someone's behavior. This sequence typically begins with creating initial awareness about an issue, problem, or cause. Once awareness is established, campaigns aim to educate and inform individuals about the specific issues, providing them with the necessary knowledge to understand the problem and its implications. Subsequently, campaigns seek to engage and motivate the target audience, encouraging them to take action or change their behavior. The involvement of key stakeholders, including experts, community leaders, and those affected by the issue, is essential in designing and executing these campaigns.

Ensuring a unified and consistent message is vital for catalyzing action, and this is particularly true when using multiple sources. By involving partners right from the beginning of a campaign, a synergistic approach is cultivated. These partners can not only help amplify the campaign's impact but also play a pivotal role in the dissemination of the message. They can:

➢ prepare their materials that align with the campaign's objectives;
➢ implement supporting media activities and campaigns;
➢ involve the targeted audience.[4]

To ensure that the target audience has access to these resources, communicators should:

➢ create materials and activities to direct people to the resources;
➢ check resource availability before recommending action;
➢ reach target audiences;

> ➢ develop materials to encourage the desired action;
> ➢ take advantage of media and social media platforms;
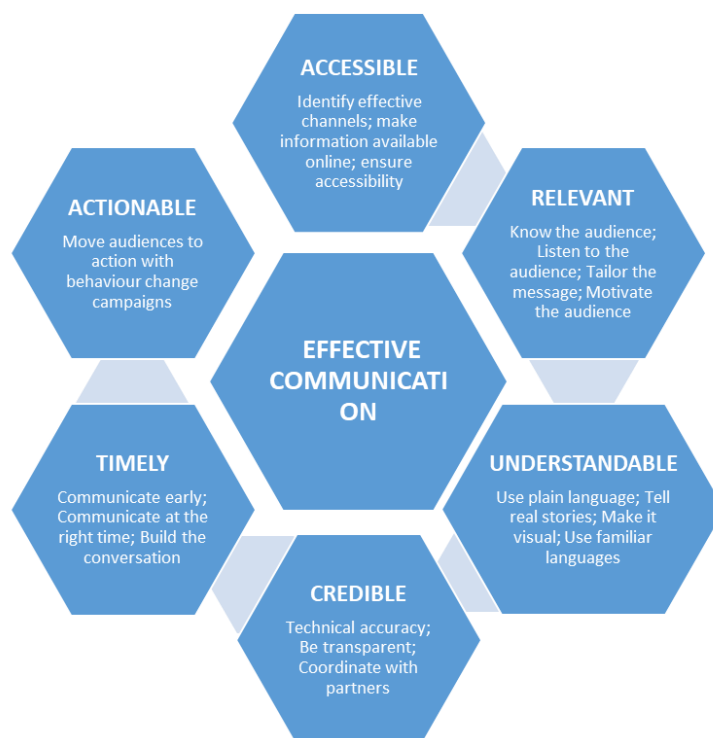> ➢ time a campaign for maximum visibility and engagement.[5]

Communicators can build awareness using a variety of methods:

> ➢ Increase the level of understanding of carbon footprint management and promote the steps to reduce it.
> ➢ Widely disseminate messages that are simple, easy to recall, repeated and attention-getting.
> ➢ Use mass media and social media channels.
> ➢ Widen the reach of social media by designing messages that can be shared by partner organizations and networks of friends, family members and co-workers.
> ➢ Compete for attention by using credible message sources.
> ➢ Create a connection to the issue at a personal or community level.
> ➢ Show the problem's effect on people who are like the target audience.
> ➢ Create a sense of urgency to prompt decisions and action.
> ➢ Use interpersonal communication channels to enhance learning of protective skills.
> ➢ Encourage interactive conversations with the target audience so people can ask questions.
> ➢ Teach skills, if necessary. Begin with behaviours that have minimal skill requirements and continue working on others that require more complex effort. For policy-makers, begin with steps that require minimal initial investment, but reap visible rewards, to motivate towards the next step.
> ➢ Enhance confidence and feelings of control by showing people what they can do individually, even as part of a larger campaign.
> ➢ Show that taking action will make a difference. Design messages that clearly show that advised behaviours and recommended actions are worth the investment of time and effort.
> ➢ Create messages that describe how communities, organizations and peers support the recommended actions.[6]

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[5] From: https://www.who.int/docs/default-source/documents/communicating-for-health/communication-framework.pdf
[6] From: https://www.who.int/docs/default-source/documents/communicating-for-health/communication-framework.pdf

Principles for effective communications:

The awareness and behavioural change campaign in the framework of the SOLAR project aims to encourage a change in the behavior of the community of the airports towards an approach aimed at sustainability, with a view to continuous improvement, aiming at the adoption of the international "Airport Carbon Accreditation" program, the certification promoted by ACI Europe (the European association of airport operators).

The activity includes a strategic framework of actions aimed at airport management companies and all stakeholders involved that intend to pursue "carbon neutrality" (NET ZERO) goals, meaning neutralizing CO_2 emissions through energy efficiency programs, the use of alternative energy sources, and the eventual balancing of any residual emissions.

The aim of the AWARENESS AND BEHAVIORAL CHANGE CAMPAIGN is to raise the profile of low carbon practices across the airport community and to foster knowledge and awareness about the certification process in the short to medium term:

- **Level 1 Mapping**
  Drafting and verifying the carbon footprint with respect to emissions under an airport's direct control (scopes 1 and 2 of GHG protocol)
  Making public its corporate Environmental Policy that demonstrates commitment to reducing emissions

- **Level 2 (Reduction)**
  Meeting the requirements of Level 1

Development of a carbon management plan aimed at achieving the company's agreed emissions reductions.
Continued reduction in carbon emissions from sources under the direct control of the airport compared to an average of the last 3 years

- **Level 3 (Optimisation)**
  Compliance with Level 2 requirements

  Calculation of emissions from airport stakeholders (scope 3 emissions)
  Drafting a stakeholder engagement plan aimed at reducing emissions

Awareness-raising actions could involve the following stakeholders:

Stakeholder	Engagement and outreach
Suppliers	Informing about Call for Tenders with selection according to environmental criteria;
Partner	Awareness raising event; Newsletter; Informing about Call for Tenders with selection according to environmental criteria;
Internal Community	Newsletter, Awareness raising event;
Entities and Institutions	Newsletter, Awareness raising event;
Scientific community	Newsletter, Awareness raising event;
Customers	Newsletter, awareness raising event, content on website and social media; short video on the topic, brochure;
Staff	Newsletter, awareness raising event, content on website and social media; short video on the topic, brochure;
Local community	Newsletter, awareness raising event, content on website and social media; short video on the topic, brochure;
Economic operators	Newsletter, awareness raising event, brochure;
Environmental associations	Newsletter, awareness raising event, content on website and social media; short video on the topic, brochure;
Media	Press releases, website and social media content; short video, brochure, invitation to awareness raising event.

Possible activities could be:

- Production of brochures providing information highlighting the ongoing activities related to the current mapping of processes and environmental neutrality systems adopted for the reduction of climate-altering carbon emissions and the useful actions introduced to achieve ACA certification;
- Production of information content to be sent via newsletter to stakeholders and the airport community on ongoing activities related to the current mapping of processes and environmental neutrality systems adopted for the reduction of climate-altering carbon emissions and the useful actions introduced for the achievement of the ACA certification;
- Production and installation of totems for X number of days at the airports where to promote the results achieved and those intended to be achieved;
- Organization of an on-site event with stakeholders and the airport community to inform, engage and make aware of the ongoing activities related to the current mapping of processes and environmental neutrality systems adopted for the reduction of climate altering carbon emissions and the useful actions introduced to achieve the ACA certification;
- Production of a short video with informative content and infographics related to the current mapping of environmental neutrality processes and systems adopted for the reduction of climate-altering carbon emissions and the useful actions introduced for the achievement of the ACA certification;
- Production of social posts with content and image to inform about the issue and awareness event;
- Production of press release on announcement of initiation of awareness activities, training and organization of awareness event.

POSSIBLE VISUAL IDENTITY TO ADOPT

3 TRAINING CAMPAIGNS ON ENERGY EFFICIENCY AND CARBON MANAGEMENT TECHNIQUES (D.T2.2.2.)

Investing in new skills and putting the workforce in the position of upgrading their knowledge on energy efficient and climate-friendly solutions through life-long learning, education and training must become a target of all policy-makers and businesses involved in the transition.

The training campaigns should try to impact on measures regarding change in energy consumption trends, energy efficiency improvement, and CO_2 emissions abatement. It will aim to clarify these objectives and provides participants with key elements to understand and apply the methods used to measure energy efficiency, and CO_2 reduction performances.

The training activities consist of including updating, training and progressive information activities for all personnel involved regarding the adoption of the international "Airport Carbon Accreditation" program.

OBJECTIVE: to obtain and acquire cognitive and operational methods and tools to facilitate the adoption of the ACA certification by the airport community and the involved stakeholders, with a focus on setting minimum performance standards for example for building, operational practices and vehicle fleets.

At the conclusion, participants should have:

➢ a clear understanding of national objectives on energy consumption, renewable energy efficiency and CO_2 abatement;
➢ a knowledge of basic methods used in measuring and benchmarking the progress achieved regarding energy saving and CO_2 reduction;
➢ an ability to apply those methods to evaluate the success of energy efficiency / CO_2 abatement programmes.

POSSIBLE LEARNING UNITS:

Goal: Optimize energy efficiency and carbon reduction through third-party involvement.

Possible topics of the training:

➢ How to meet all level 1 and 2 requirements (Mapping and Reduction step);
➢ How to measure and compare the overall energy efficiency and CO_2 trends;
➢ How to provide effective evidence and procedures for carbon management, including setting targets for all stakeholders to achieve;
➢ How to demonstrate carbon emission reductions;
➢ How to engage and get stakeholders, airport communities, customers, suppliers, partners, business operators and transportation services, local community, engaged in carbon footprint reduction with a focus on setting minimum performance standards for example for building, operational practices and vehicle fleets;
➢ Heating and cooling systems (including recovery of both), hot water systems, air handling and conditioning systems, lighting and their associated control systems as well as renewable and low carbon generation systems producing heat and power;

4 FORMAL AIRPORT WIDE SCHEMES (D.T2.2.3.)

Organizing a formal airport-wide forum to encourage and facilitate the adoption of specific personal or operational practices and choices of equipment or vehicles can be a great way to promote sustainability within the airport community.

To organize a forum to encourage and facilitate the adoption of specific practices and choices within the airport community, such as a car sharing program, clean vehicle schemes, and waste recovery programs, it is possible to follow these steps:

- **Define the Objectives:** Clearly articulate the objectives of the forum, which should include promoting sustainability, reducing carbon footprint, and improving environmental practices within the airport community. Ensure that these objectives align with the overall goals of the airport and its stakeholders.

- **Identify Speakers and Presenters:** Invite subject matter experts, industry leaders, and representatives from organizations experienced in implementing car sharing programs, clean vehicle initiatives, and waste recovery programs. These speakers can share their experiences, best practices, and success stories to inspire and educate the airport community.

- **Create Agenda and Topics:** Develop an agenda that covers various aspects of the targeted practices and choices. Include sessions on the benefits, challenges, case studies, and practical implementation strategies for car sharing, clean vehicles, and waste recovery. Allow time for interactive discussions, Q&A sessions, and networking opportunities.

- **Engage Stakeholders:** Reach out to airport staff, airlines, ground transportation companies, waste management agencies, and other community members to encourage their participation in the forum. Use internal communication channels, such as emails and newsletters, to promote the event and generate interest.

- **Showcase Best Practices:** Dedicate a portion of the forum to showcase successful initiatives and practices implemented within the airport community. Allow airport staff, airlines, and other stakeholders to present their projects, highlighting the positive impact they have made and lessons learned.

- **Provide Resources and Support:** Offer informational materials and resources to participants to support their adoption of the targeted practices.

- **Evaluate and Follow-Up:** Gather feedback from participants to assess the success of the forum and identify areas for improvement.

Formal airport wide schemes could involve the following stakeholders:

Stakeholder	Engagement and outreach
Local Government and Authorities	Local government bodies, transportation agencies, and environmental authorities have a stake in promoting sustainable transportation and waste management practices.
Airport Employees	Airport staff, including administration, maintenance, security, and ground services personnel, can benefit from and actively participate in car sharing programs and utilize clean vehicles for their daily commutes within the airport premises.
Airlines	Airlines operating at the airport can be interested in supporting and promoting car sharing programs for their crew members and staff traveling to and from the airport. They may also have their own clean vehicle schemes for ground transportation services at the airport.
Ground Transportation Providers	Taxi companies, ride-sharing services, and other ground transportation providers operating at the airport can collaborate and integrate with car sharing programs and clean vehicle initiatives to offer sustainable transportation options to passengers.
Economic operators	Economic operators within the airport premises, such as retail shops, restaurants, and service providers, may have an interest in supporting sustainability initiatives like car sharing programs and waste recovery programs to align with their corporate social responsibility goals.
Suppliers and Service Providers	Suppliers and service providers operating within the airport, including vehicle rental companies, waste management firms, and energy providers, can collaborate with the airport to enhance the effectiveness and sustainability of these programs.
Passengers and local community	Passengers traveling to and from the airport can benefit from car sharing programs, which provide cost-effective and environmentally friendly transportation options.
Environmental Organizations	Environmental organizations focused on sustainability and reducing carbon emissions may actively engage with airports to promote and support initiatives like car sharing programs, clean vehicle schemes, and waste recovery programs.
Media	Media stakeholders can also play a significant role in promoting and raising awareness about car sharing programs, clean vehicle schemes, and waste recovery programs at airports.

Here are different topics you can include in the forum:

➤ **Car Sharing Programme**:
  o Encourage airport staff and passengers to share rides by promoting car sharing programs. This can be done by conducting informational sessions to educate airport staff and passengers about the benefits of car sharing programs. Provide details on how the program works, its environmental impact, cost savings, and convenience factors.
  o Discuss the latest trends and innovations in car sharing programs and their impact on transportation. Explore topics such as electric and autonomous vehicles, smart infrastructure, and the potential for reducing traffic congestion and carbon emissions.

- Provide a space for participants to share their experiences with different car sharing programs. Encourage discussions on the quality of service, and ecc.
- Focus on the environmental benefits of car sharing programs. Discuss the potential reduction in greenhouse gas emissions, air pollution, and energy consumption through shared mobility. Explore ways to further enhance sustainability in car sharing initiatives.

➢ **Clean Vehicle Schemes**:
- Promote the use of clean vehicles within the airport community. You can work with taxi companies and rental car agencies operating at the airport to encourage them to transition their fleets to cleaner vehicles.
- Discuss the latest advancements in clean vehicle technologies, such as electric vehicles (EVs), hydrogen fuel cell vehicles, and hybrid vehicles. Explore their environmental benefits, energy efficiency, and potential for reducing greenhouse gas emissions and air pollution.
- Highlight the importance of infrastructure to support clean vehicle schemes. Discuss the challenges and opportunities in sustainable charging infrastructure.

➢ **Waste Recovery Programmes**:
- Showcase various waste recovery strategies and technologies available for implementation within the airport community.
- Explore strategies for effectively engaging stakeholders within the airport community in waste recovery efforts. Discussions can focus on ways to foster collaboration and participation from airport management, staff, tenants, airlines, passengers, and waste management service providers.

➢ **Sustainable Catering Practices**:
- Encourage airport restaurants, cafes, and food vendors to adopt sustainable practices. This can involve promoting the use of biodegradable or compostable packaging, reducing single-use plastic items, and sourcing local and organic food products.
- Focus on strategies to minimize food waste and promote food recovery in catering operations.
- Explore ways to enhance energy efficiency and implement effective waste management practices in catering operations. Discuss topics such as using energy-efficient appliances, reducing water consumption, implementing composting and recycling programs, and reducing single-use plastics.

➢ **Energy Efficiency Initiatives**:
- Implement energy-saving measures throughout the airport facilities. Encourage airport stakeholders to use renewable energy sources such as solar panels or wind turbines to power airport operations.

It is important to note that the specific stakeholders may vary based on the airport's location, size, and existing partnerships. Engaging and involving a diverse range of stakeholders is crucial for the successful implementation and adoption of these sustainable initiatives.

When organizing the formal airport-wide forum, ensure you provide informative presentations and panel discussions to educate and engage the airport community in adopting these practices. Collaboration with key stakeholders will be crucial in implementing these actions effectively.

Remember to tailor these actions to the specific needs and circumstances of your airport community. By organizing an engaging and informative forum, you can inspire and facilitate the adoption of sustainable practices and choices among the airport community.

5 STRATEGIC PARTNERSHIPS WITH KEY AIRPORT OPERATORS (D.T2.2.4.)

Creating strategic partnerships with key airport operators to support energy reduction policies requires a structured approach. Here are different topics to include in the forum to facilitate the creation of these partnerships:

- **Define the Objectives:** Clearly articulate the objectives of the forum, which should include promoting energy reduction, encouraging sustainable aviation practices, and fostering collaboration among airport operators. Ensure that these objectives align with the overall goals of the airport and its stakeholders.

- **Identify Key Stakeholders:** Identify the key airport operators who play a significant role in energy consumption and emissions, such as airlines, ground handling companies, air traffic control, and fuel providers. Reach out to these stakeholders and invite them to participate in the forum.

- **Setting the Stage:** Introduce the forum by highlighting the importance of energy reduction policies for the airport's sustainability goals. Discuss the potential benefits of strategic partnerships, such as cost savings, improved operational efficiency, and enhanced environmental performance.

- **Overview of Energy Reduction Policies:** Provide an overview of the airport's energy reduction policies, emphasizing the specific objectives related to reducing ground running and taxiing times, as well as implementing differential charging for aircraft based on emissions. Explain the rationale behind these policies and their alignment with global sustainability initiatives.

- **Collaboration Opportunities:** Present the potential collaboration opportunities between the airport and key operators to achieve energy reduction targets. Highlight the significance of joint efforts in optimizing ground operations, improving air traffic management, and implementing technological solutions. Emphasize the shared responsibility and benefits of working together.

- **Operational Best Practices:** Share best practices and success stories from other airports or aviation industry leaders that have effectively reduced ground running and taxiing times. Discuss operational strategies, such as optimized ground handling procedures, collaborative decision-making with air traffic control, and efficient taxi route planning. Encourage participants to share their own experiences and lessons learned.

- **Ground Running and Taxiing Time Reduction:** Focus on techniques and practices that can reduce ground running and taxiing times. Discuss the benefits of efficient ground handling procedures, collaborative decision-making with air traffic control, optimized taxi route planning, and the use of ground support equipment with lower emissions.

- **Differential Charging Mechanisms:** Explain the concept and benefits of differential charging based on aircraft emissions. Discuss how implementing such a mechanism can incentivize airlines to reduce emissions and promote the use of cleaner aircraft. Address potential concerns and considerations,

such as the methodology for calculating emissions and the practicality of implementing differential charging.

- **Technological Solutions and Innovations:** Explore technological solutions and innovations that can support energy reduction efforts. Present examples of electric or hybrid ground support equipment, advanced air traffic management systems, and data-driven optimization tools. Encourage participants to share their experiences with implementing innovative technologies and discuss potential opportunities for collaboration.

- **Partnership Framework:** Outline a partnership framework that establishes clear roles, responsibilities, and expectations for the airport and key operators. Discuss mechanisms for regular communication, data sharing, joint planning, and resource allocation. Highlight the importance of long-term commitment and the establishment of metrics to track progress and evaluate the effectiveness of the partnerships.

These topics will provide a comprehensive overview of the energy reduction policies and initiatives while fostering discussion, knowledge sharing, and collaboration among airport operators. Remember to allocate sufficient time for presentations, panel discussions, interactive sessions, and networking opportunities to encourage engagement and partnership formation.

Strategic partnership with key airport operators could involve the following stakeholders:

Stakeholder	Engagement and outreach
Airline Operators	Collaborating with airline operators allows for joint efforts to reduce energy consumption in aircraft operations, such as optimizing flight routes, improving fuel efficiency, and exploring alternative propulsion technologies.
Ground Handling Companies	Ground handling companies can play a significant role in energy reduction through efficient ground operations, including aircraft servicing, baggage handling, and ground transportation, by adopting energy-efficient technologies and practices.
Retailers and Concessionaires	Engaging retailers and concessionaires operating within the airport can promote energy reduction initiatives, such as incentivizing energy-efficient lighting and equipment in shops, restaurants, and other commercial spaces.
Ground Transportation Providers	Partnering with ground transportation providers, including taxi companies, shuttle services, and ride-sharing platforms, can support the adoption of energy-efficient vehicles and promote shared transportation options to minimize carbon emissions.
Technology and Energy Service Providers	Partnering with technology companies and energy service providers can bring expertise and innovative solutions to implement energy-efficient infrastructure, including smart energy management systems, renewable energy installations, and energy monitoring and optimization tools.
Research and Academic Institutions	Establishing partnerships with research and academic institutions can foster collaboration in developing and implementing energy reduction strategies, conducting feasibility studies, and sharing best practices in sustainable airport operations.

Environmental Organizations	Engaging environmental organizations and NGOs can provide valuable guidance, advocacy, and support in implementing energy reduction policies, raising awareness, and promoting sustainable practices within the airport community.
Energy Suppliers and Grid Operators	Collaborating with energy suppliers and grid operators can facilitate access to renewable energy sources, explore energy storage options, and optimize energy consumption through demand-side management initiatives.

Here are different topics you can include in the forum:

➢ **REDUCING GROUND RUNNING AND TAXIING TIMES**
- o Discuss the importance of collaboration among airport stakeholders, airlines, ground handlers, and air traffic control to optimize ground operations and reduce ground running and taxiing time;
- o Explore innovative technologies and systems for optimizing aircraft routing and planning;
- o Discuss strategies for improving air traffic management systems to enhance coordination and communication between pilots, ground control, and air traffic control, leading to smoother ground operations and reduced taxiing time;
- o Examine methods for improving ground handling efficiency, including synchronized ground handling activities, streamlined baggage handling processes, and optimized turnaround procedures;

➢ **DIFFERENTIAL CHARGING FOR AIRCRAFTS WITH LOWER / HIGHER EMISSIONS**
- o Discuss different approaches and mechanisms for implementing differential charging based on aircraft emissions, such as carbon-based landing fees or emissions-based pricing structures;
- o Explore methods and standards for accurately measuring and reporting aircraft emissions, including the use of emissions monitoring systems, data collection processes, and reporting frameworks;
- o Highlight potential incentives and benefits for airlines operating lower emission aircraft, such as reduced landing fees, priority access to airport facilities, or preferential gate assignments;
- o Discuss the importance of collaboration and partnership between airports and airlines to jointly develop and implement differential charging programs, considering factors such as data sharing, technology integration, and mutual goals;
- o Analyze the economic implications and conduct cost-benefit analyses of implementing differential charging, considering factors such as revenue generation, environmental impact, and potential effects on airline operations;
- o Explore advancements in aircraft technology, such as electric or hybrid-electric propulsion systems, biofuels, or sustainable aviation fuels, and how they can contribute to lower emissions and qualify for reduced charges.

➢ **ENERGY EFFICIENCY INITIATIVES**
- o Discuss innovative approaches and technologies for developing sustainable airport infrastructure, including energy-efficient terminals, green buildings, and renewable energy installations;
- o Highlight strategies and best practices for effective energy management and efficiency measures at airports, such as intelligent lighting systems and smart grid integration;

- o Discuss the transition to electric ground support equipment (GSE), including baggage tugs, ground power units, and passenger buses, and the benefits of reducing emissions and noise pollution;
- o Examine initiatives to promote sustainable ground transportation options at airports, such as electric vehicle charging infrastructure, shared mobility services, and public transport integration.