Non - Technical Recommendations

The holistic strategy developed by ICARe resulted in evidence-based recommendations regarding potential future international cooperation in aviation research & technology.

In brief, our main conclusions are summarized below:



A win-win strategy is the first step towards a successful cooperation.



Equitable partnership, reciprocity, fair and equal treatment, as well as respect of Intellectual property rights (IPR) are necessary conditions for International Cooperation.

The EC and the counterpart administrations should work closely to overcome potential difficulties in the grant awarding and the synchronization of the funding.

For a successful cooperation, Standardization, Certification and Export Control should also to be addressed.

> Lessons learned from successful past international cooperation:

- Easier to work at low Technology readiness level (TRL)
- Optimum project duration: 2-3 years
- · Balanced consortium (industry, Research Establishments, Academia, SMEs, Agencies).

While the aviation sector is the focus for the development of new key-technologies, the interaction with other sectors (digital technologies, artificial intelligence, alternative fuels, energy storage) could be beneficial in the context of international cooperation.

Multilateral research synergies can result in cost-efficient technological advancements.



The established links should be kept alive with the aim to continue the dialogue in the already fertilized ground.



Jesign by Links should be established also with other countries to further widen international cooperation.

The Consortium

The ICARe consortium represents the vast majority of the Aviation Research & Innovation EU stakeholders.



*IATA not a formal consortium partner, but acting as a subcontractor

Visit the ICARe website



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International Cooperation in Aviation Research







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ICARe at a Glance

ICARe aims at facilitating and increasing international cooperation in aviation along common research and innovation roadmaps through extending and deepening ACARE INCO's previous work. Based on the ACARE INCO experience, ICARe has developed a comprehensive methodology to accomplish its objectives.

Definition of:

1. Structure of the "country profile"

- Current "photography" of the country and its aviation sector
- Government policy with regards to the aviation sector
- Previous research cooperation in the fieldSWOT analysis

2. Assessment criteria

ep	1. Elaboration of the "country profiles"		2. Evaluation of past 8 current cooperation	
	3. Mapping of technologies & Competencies		4. Bilateral dialogues with 5 countries	
	Deliverable to	the	EC:	Recommendatio

Step 3

Step

Deliverable to the EC: Recommendations based on identified "win-win" opportunities for future international cooperation in the field of aviation research & innovation.

Which Countries? Which Clusters?



design

- Aircraft and airframe
- Flow control
- New configuration
- Future propulsion technology

🔇) Supersonic & High Speed

- Regulatory framework and policy for future sustainable supersonic aircraft
- Development of associated technologies

Regulation & Certification

Development of a systematic approach for certification

Identified Clusters* of interest

*While the same size of icons is used, the respective level of interest of the country for each cluster is not the same.

In addition to the bilateral dialogues with the five countries, an assessment of potential cooperation opportunities with the other 16 countries of the ICARe perimeter was performed. Based on a detailed survey of the aviation landscape in these countries, a number of cooperation opportunities have been identified. More information can be found in the ICARe public report and the website of the project.

