



CLEAN AVIATION



Transnational Workshop

Bruxelles, 28 November 2023

Panels presentations



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Panel 1



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Panel 1: Strategic alignment of policies & harmonisation of processes to prepare synergies

Definition:

- **Strategic alignment** in public funding is the process of ensuring that the roadmaps, strategies, goals, and objectives of public funding programs are aligned across different funding bodies and with the government's strategic objectives and priorities.
- **Harmonization of processes** in public funding is the process of making the procedures and requirements for applying for and receiving public funding more consistent across different funding bodies.

Context:

- Diversity of public priorities and linked policies in Europe and even at the scale of single member states (target in terms of technology and stakeholders support)
- Heterogeneity of public funding bodies (political responsibilities, distribution between regions and states)
- Diversity of strategic roadmaps
- Diversity of resulting funding programs

Panel 1: Strategic alignment of policies & harmonisation of processes to prepare synergies

Brainstorming:

- **Question 1:** Do you confirm such diversity is a reality and could you share your own experiences on that in your country and/or region?
- **Question 2:** Can you give us an example of a harmonized roadmap in your area?
- **Question 3:** Which tools are needed to set up a harmonized roadmap? Could the MoC be useful here?
- **Question 4:** What could be the obstacles to set up the harmonized roadmaps?
- **Question 5:** What could be the key factors of a successfully designed harmonized roadmap ? (*technological coverage, scheduled, associated deliverables and milestones, midterm review ...*)

Synergies identified and discussed

#	Grouping	Description	Origin
Synergy 1	Strategical alignment	Discussion, presentation and alignment of strategic roadmaps by all funding bodies	D3.1 & NWS
Synergy 2	Strategical alignment	Funding programs construction at regional / national / European levels with complementary TRL coverage	D3.1 & NWS
Synergy 3	Strategical alignment	Standardized criteria of financial reliability assessment	D3.1 & NWS
Synergy 4	Communication and transparency	Regular meetings among regional, national and European funding bodies	D3.1 & NWS
Synergy 5	Communication and transparency	Common communication between different funding bodies	Cluster
Synergy 6	Communication and transparency	Communication between funded projects consortia of different funders	D3.1 & NWS
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Synergy 8	Harmonisation of processes	Centralized tool which visualizes data of calls, projects and stakeholders competences at regional, national and European levels	D3.1 & NWS
Synergy 9	Harmonisation of processes	European PIC	D3.1 & NWS
Synergy 10	Harmonisation of processes	Seal of Excellence mechanism	D3.1 & NWS
Synergy 11	Harmonisation of processes	SME Fast track and Plug-In for CA inspired by European Innovation	Cluster
Synergy 12	New calls	Specific calls at regional/national levels coherent with Clean Aviation technologies	D3.1 & NWS
Synergy 13	New calls	Regional cluster issue call of interest to promote projects linked to CA technologies	D3.1 & NWS & Cluster
Synergy 14	New calls	Simultaneous calls for Interest in different countries with Eurostars calls for projects with CA key technologies	Cluster
Synergy 15	New calls	Through a unique funding call, different funding bodies fund separate TRLs bricks hold in a global project	Cluster
Synergy 16	New calls	Clean Aviation Cascade funding	D3.1 & NWS
Synergy 17	New calls	Aeronautical IPCEI	Cluster
Synergy 18	New calls	Co-funding with bi-lateral or three-lateral calls	Cluster

Synergy 1

- **Synergy #:** 1
- **Title:** Discussion, presentation and alignment of strategic roadmaps by all funding bodies

- **Description:**

Discussing and presenting roadmaps by all funding bodies can help to: (1) Exchange knowledge about mid-term strategic vision and improve global coordination; (2) Identify and address gaps in funding; (3) Ensure that funding is aligned with the needs of the industry and the research community; (4) Promote collaboration between funding bodies and other stakeholders; (5) Increase transparency and accountability; (6) Coordinate timelines and topics.

The discussion and presentation of a roadmap could be done in a variety of ways. One approach would be to hold a workshop for each country and/or region signatory of MoC with Clean Aviation.

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU

Synergy 2

- **Synergy #:** 2
- **Title:** Funding programs construction at regional / national / European levels with complementary TRL coverage

- **Description:**

This synergy aims to ensure that the different public funding programs are complementary and coherent in terms of TRL coverage support. It can only be achieved when all funding bodies communicate and are transparent during the technical roadmap construction, the preparation and the launch of calls.

It could be translated into the establishment of a coordination and consultation mechanism between the different funding bodies. And, they would need to exchange on a regular basis during the roadmap construction.

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU

Synergy 3

- **Synergy #:** 3
- **Title:** Standardized criteria of financial reliability assessment

- **Description:**

The standardized criteria of financial reliability assessment between funding bodies would a set of measures used to assess an organization's ability to repay its debts and meet its financial obligations.

They could help to improve decision-making, increase accountability, enhance transparency in the public funding process and identify organizations that are most likely to be successful in using public funds.

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU

Synergy 8

- **Synergy #:** 8
- **Title:** Centralized tool which visualizes data of calls, projects and stakeholders' competences at regional, national and European levels
- **Description:**

This synergy aims to improve the transparency and comparability of data on public funding for the green transition of the aerospace sector by setting up a unified platform that visualizes data of calls, projects and stakeholders' competences at the regional, national, and European levels. Such a tool would be a valuable for promoting collaboration and efficiency in the European research and innovation landscape.

The ECARE digital platform is under development and will bring together information on calls for proposals, funding programs, funded projects and stakeholders' competences. Once all funding bodies integrate their information on the ECARE digital platform, this synergy will be achieved.

Such a tool would provide a number of benefits: (1) Improved communication and collaboration between funding bodies; (2) Increased transparency and accountability; (3) Raise awareness of public funding opportunities; (4) Support evidence-based decision making

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU

Synergy 9

- **Synergy #:** 9
- **Title:** European PIC
- **Description:**

A European PIC, (Participant Identification Code), would be a unique identifier assigned to an organization that wishes to apply for public funding within the European Union. This number would be used to identify the organization in all public funding procedures, which would help to simplify and streamline the application and award processes.

The potential benefits of a European PIC are: (1) Reduced administrative burden; (2) Improved transparency; (3) Increased efficiency; (4) Promoted cross-border cooperation.

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU

Synergy 10

- **Synergy #:** **10**
- **Title:** **Seal of Excellence mechanism**
- **Description:**

The objective of this synergy is to:

- **Extend the Seal of Excellence mechanism to national and regional levels.** This would make it easier for entities to access funding from a wider range of sources.
 - **Introduce balanced reciprocity to reduce administrative burden for entities,** funding bodies would be able to recognize the Seal of Excellence mechanism awarded by other funding bodies.
 - **Introduce balanced reciprocity to increase collaboration,** funding bodies would be able to collaborate more effectively. This would help to ensure that funding is being used efficiently and that the best projects are being funded.
- **Level of funding:** Regional funding bodies, national funding bodies and CAJU

Synergy 11

- **Synergy #:** **11**
- **Title:** **SME Fast track and Plug-In for CA inspired by European Innovation Council**

- **Description:**

The Fast Track and Plug-In schemes for Clean Aviation, inspired by the European Innovation Council (EIC), are designed to accelerate the development and deployment of clean aviation technologies.

The Fast Track scheme could allow SME projects that have been selected for funding under Clean Sky 2 to submit shorter proposals and be proposed as potential partners for future Clean Aviation projects. This can save time and promote the participation of SMEs to Clean Aviation projects.

The Plug-In scheme could allow SME projects that have been selected for funding under national or regional programs on CA technologies to submit proposals to Clean Aviation, without having to go through the full evaluation process. This can help to bridge the gap between the lack of participation of SMEs with national and regional research funding and European research funding.

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU



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Panel 2



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Panel 2: Communication & transparency mechanism to promote synergies - Context

Definition:

- **Communication and transparency** in public funding is the process of sharing information about public funding programs, funded projects and initiatives with the stakeholders and the public in a clear and accessible way.

Context:

- **As of today, we can identify a:**
 - Lack of visibility of strategic priorities
 - Lack of communication between public policy makers
 - Lack of common tools to share and display information related to strategic priorities.
- Process of sharing information about public funding programs, funded projects and initiatives with the stakeholders and the public in a clear and accessible way.
- The goal is to address the needs of stakeholders (Better communication and transparency between the funding bodies, etc...)

Panel 2: Communication & transparency mechanisms to promote synergies - Questions

Brainstorming:

- **Question 1:** Where and how is the information shared and displayed in your region/country?
- **Question 2:** Can you give us examples of common information tools in your region/country? (Platform, webinar, newsletter, event, ...)
- **Question 3:** What could be the obstacles to setup common communication and transparency mechanisms?
- **Question 4:** What could be the key factors of a successfully designed common communication and transparency mechanism? Periodicity, level of detail, ...
- **Question 5:** What information are you missing in terms of transparency?

Synergies identified and discussed

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Synergy 4

- **Synergy #:** 4
- **Title:** Regular meetings among regional, national and European funding bodies

- **Description:**

This synergy aims to promote dialogue and consultation between different public funding bodies. It could be translated into the establishment of regular meetings between representatives of different public funding bodies, for example to present projects funded and to be funded and best practice exchange.

This meeting could be held on a monthly basis with one representative per signatory MoC regions, one representative of the national funding body and one representative of CAJU.

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU

Synergy 5

- **Synergy #:** 5
- **Title:** Common communication between different public funding bodies
- **Description:**

More communication between different funding bodies, especially when both fund similar technologies and research. Example: Clean Aviation exchanges with national funding bodies to promote national calls linked to CA key technologies.

This synergy aims to improve coordination and cooperation between different public funders. **It could be translated into the establishment of regular communication mechanisms, such as monthly meetings, events, and publications on the online ECARE platform.**

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU

Synergy 6

- **Synergy #:** 6
- **Title:** Communication between funded projects consortia of different funders
- **Description:**

To promote communication between consortia of different funders, different tools can be used:

- **Networking events for consortia.** These events could provide a platform for consortia to meet, share information, and discuss collaboration opportunities.
- **A consortium mentorship program.** This program could match experienced consortia with newer consortia to share knowledge and advice.
- **Organize events and discussion forums specific to collaboration of consortia.**

Promoting communication between consortia of different funders can help to create a more collaborative and efficient environment for the development of sustainable aviation technologies.

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU

Synergy 7

- **Synergy #:** **7**
- **Title:** **Joint info days with different funding bodies**

- **Description:**

Joint info days by different funding bodies to jointly promote calls to local stakeholders in the supply chain and help with consortia building. These info days could be organized and take place directly in the (MoC) region with funding bodies at all levels.

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU



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Panel 3



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Panel 3: Operational pathway to implement synergies

Definition:

- Operational pathway in public funding can be new funding or co-funding opportunities that are created specifically to support the development and deployment of new technologies and innovations.

Context:

- Need to give concrete transformations to such harmonization and common vision.
- Large variety of pre-existing funding tools with several rules and calendars.
- Leverage effect between existing funding tools is not measurable nor manageable.

Workshop 3: Operational pathway to implement synergies

Brainstorming:

- **Question 1:** Do you have any example of synergetic funding tools (Eureka mechanism for example)?
- **Question 2:** If yes, what would be your feedback on those examples (Strengths and weaknesses)?
- **Question 3:** What is the mandatory data to take into account to design synergetic funding tools ?
- **Question 4:** What could be the key factors of a successfully implemented synergy ?

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Synergy 12

- **Synergy #:** **12**
- **Title:** **Specific calls at regional/national levels coherent with Clean Aviation technologies**
- **Description:**

Once communication and transparency are in place, regional and national funding bodies can fully align their calls with Clean Aviation. The goal is for proposed calls to be complementary to those proposed by Clean Aviation, with regional and national programs targeting lower or higher TRL levels, or topics that are not covered. This synergy is directly linked to Synergy 1.
- **Level of funding:** Regional funding bodies and/or national funding bodies

Synergy 13

- **Synergy #:** **13**
- **Title:** **Regional cluster issue call of interest to promote projects linked to CA technologies**
- **Description:**

Based on its technical knowledge, the cluster could issue call for interest to promote projects on Clean Aviation technologies. Once the call for interest is launched and applications are received, the cluster could present the different selected projects to all funding bodies to find the best match for the funding.

- **Level of funding:** Regional funding bodies and CAJU
- **Type of beneficiary:** SMEs
- **TRL beginning and end:** 4-6
- **Type of project:** Mono-beneficiary or collaborative
- **Technical topic:** CA key technologies

Synergy 14

- **Synergy #:** **14**
- **Title:** **Simultaneous calls for Interest in different countries with Eurostars calls for projects with CA key technologies**

- **Description:**

The proposal is to issue simultaneous calls for interest in different countries with Eureka/Eurostars to promote projects on CA key technologies. This would allow researchers and businesses from different countries to collaborate on projects that develop and deploy CA key technologies.

- **Level of funding:** Regional funding bodies and national funding bodies
- **Type of beneficiary:** SME
- **TRL beginning and end:** 1-9
- **Type of project:** Mono-beneficiary or collaborative
- **Technical thematic:** All

Synergy 15

- **Synergy #:** 15
- **Title:** Through a unique funding call, different funding bodies fund separate TRLs bricks hold in a global project

- **Description:**

This synergy aims to ensure continuous funding for aerospace transition projects, from basic research to commercialization, by proposing calls for the same topic for funding different TRL in the project across different funding bodies. For this synergy it is necessary that funding bodies agree on the topic of the call and decide which funding body will fund which TRL.

- **Level of funding:** Regional funding bodies, national funding bodies and CAJU
- **Type of beneficiary:** All
- **TRL beginning and end:** 1-9
- **Type of project:** Mono-beneficiary or collaborative
- **Technical thematic:** All

Synergy 16

- **Synergy #:** 16
- **Title:** Clean Aviation Cascade funding
- **Description:**

Clean Aviation Cascade funding could be a mechanism that allows to distribute public funding and assist beneficiaries, such as start-ups, scale-ups, SME and/or intermediate-sized enterprise, in the uptake or development of aeronautical innovation. Smaller calls could be issued by big industrial players in agreement with CAJU.
- **Funder:** CAJU and/or regional funding authorities and/or national funding bodies
- **Type of beneficiary:** SME and/or intermediate-sized enterprise
- **Level of funding:**
 - **Project budget size:** 100 k euros
 - **% of funding:** 70%
 - **Funder's envelope:** To be determined
- **TRL beginning and end:** 4-6
- **Type of project:** Mono-beneficiary
- **Technical topic:** CA key technologies
- **Duration of projects:** 18 months

Synergy 17

- **Synergy #:** 17
- **Title:** Aeronautical IPCEI
- **Description:**

An aeronautical IPCEI would be a large-scale European collaborative project to develop and deploy new aeronautical technologies. It would be funded by a consortium of public and private partners from across Europe. The goal of an aeronautical IPCEI is to accelerate innovation, reduce costs, and increase the competitiveness of the European aeronautics sector.

There are a number of advantages to having an aeronautical IPCEI:

- **Accelerated innovation:** An IPCEI would bring together the best minds in Europe to work on the most challenging aeronautical challenges. This would accelerate the development of new technologies and capabilities.
- **Shared costs:** An IPCEI would allow the costs to be shared across a number of European partners.
- **Increased competitiveness:** An IPCEI would help to ensure that Europe remains a leader in aeronautical technology.

An aeronautical IPCEI would be a major investment in the future of the European aeronautics sector. It would help to ensure that European aviation industry continues to thrive.

- **Funder:** Member states and European Commission
- **Type of beneficiary:** All
- **Level of funding:**
 - **Project budget size:** 5-70 million €
 - **% of funding:** 30-50%
 - **Funder's envelope:** To be determined
- **TRL beginning and end:** 5-7
- **Type of project:** Collaborative
- **Technical topic:** CA key technologies
- **Duration of projects:** 60 months

Synergy 18

- **Synergy #:** **18**
- **Title:** **Co-funding with bi-lateral or three-lateral calls**

- **Description:**

Co-funding with bilateral or trilateral calls, eventually parallel, refers to a funding mechanism where two or three funding bodies collaborate to provide funding for a transnational project. A joint call should be created, in which the funding bodies agree on a common set of criteria for selecting projects for funding, then jointly evaluate the proposals and select the projects that will be funded.

Co-funding with bilateral or trilateral calls can be used to support a wide range of projects on CA key technologies, including basic research, applied research, and demonstration projects.

- **Level of funding:** Regional funding bodies and/or national funding bodies and/or CAJU
- **Type of beneficiary:** All
- **TRL beginning and end:** 1-9
- **Type of project:** Collaborative
- **Technical topic:** CA key technologies



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