



MINISTÈRE
DE L'ENSEIGNEMENT
SUPÉRIEUR,
DE LA RECHERCHE
ET DE L'INNOVATION

*Liberté
Égalité
Fraternité*



Le programme européen pour la recherche et l'innovation



Webinaire d'information Cluster 5 – Destinations 5 & 6

Les appels à projets 2022 sur le thème de l'aviation

Jean-Marc Zaccardi, Thilo Schönfeld, PCN Transport

Michail KYRIAKOPOULOS, Senior Expert, Aviation Research Policy, DG Research & Innovation

Sébastien DUBOIS, Head of Programme, JU Clean Aviation

26 janvier 2022

Merci de bien vouloir veiller à couper vos micros et caméras, et à laisser le contrôle aux présentateurs



Les questions peuvent être posées par chat

Ce webinaire sera enregistré

La présentation et l'enregistrement de ce webinaire seront disponibles sur le site <https://www.horizon-europe.gouv.fr/>

- **General introduction to Horizon Europe & Cluster 5**
- **Introduction to the aviation theme in Cluster 5 (no material)**
- **Introduction to Clean Aviation**
- **Q&A**

1. Horizon Europe and Cluster 5

Climate, Energy and Mobility

HORIZON EUROPE

EURATOM

**Budget
total
95,5 Md€
*(en € courants)***

**Cluster 5
15,1 Md€**

Pas de ventilation
officielle à l'échelle du
cluster

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on
defence research
& development*

Research
actions

Development
actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT

Exclusive focus on civil applications



**Pillar I
EXCELLENT SCIENCE**

European Research Council

Marie Skłodowska-Curie

Research Infrastructures

25 Md€



**Pillar II
GLOBAL CHALLENGES &
EUROPEAN INDUSTRIAL
COMPETITIVENESS**

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital Industry & Space
- **Climate, Energy & Mobility**
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre

53.5 Md€



**Pillar III
INNOVATIVE EUROPE**

European Innovation
Council

European Innovation
Ecosystems

European Institute of
Innovation & Technology*

13.6 Md€

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

3.4 Md€

Fusion

Fission

Joint
Research
Center

* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

Cluster 5 – Les destinations

Destination 1 – Climate science

Climate science

Destination 2 – Cross-cutting solutions

Batteries

Cities

Breakthrough
technologies

Citizen and
stakeholder
engagement

Destination 3 – Energy supply

Renewable
energy

Energy system,
grids and
storage

CCUS

Cross-cutting
activities

Destination 4 – Energy demand

Buildings

Industry

PCN Transport

Destination 5 - Clean and competitive solutions for all transport modes

Zero-emission
road transport

Aviation

Waterborne
transport

Transport-
related health
and
environmental
issues

Destination 6 - Transport and Smart Mobility services

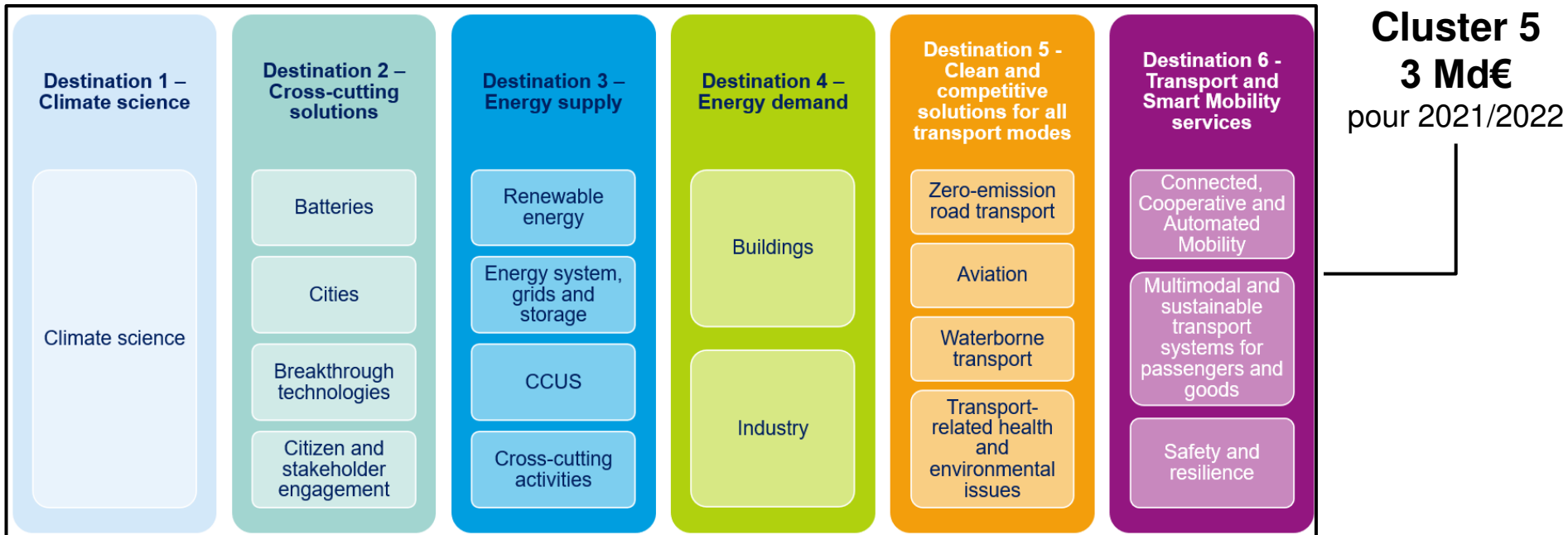
Connected,
Cooperative and
Automated
Mobility

Multimodal and
sustainable
transport
systems for
passengers and
goods

Safety and
resilience

Programme de travail 2021/2022 du cluster 5 [ici](#)

Cluster 5 – Les destinations



Programme de travail 2021/2022 du cluster 5 ici

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Cluster 5
3 Md€
pour 2021/2022

↓
Dest. 5
253 M€
pour 2022

Programme de travail 2021/2022 du cluster 5 [ici](#)

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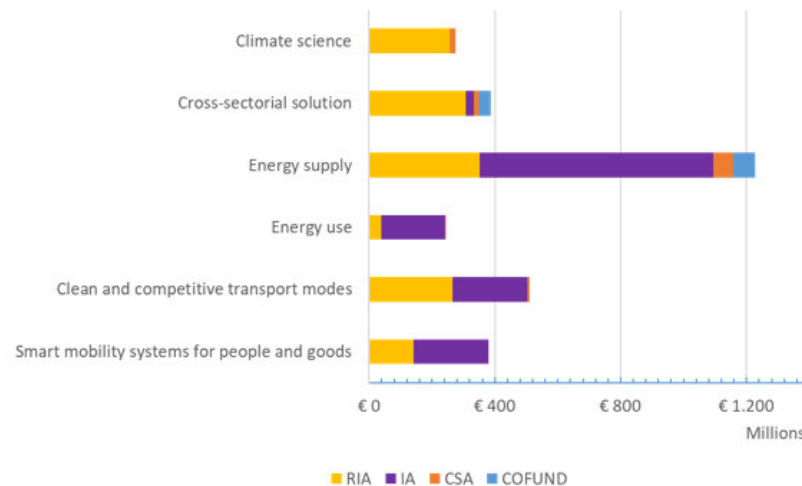
↓
Aviation
45 M€
pour 2022

Programme de travail 2021/2022 du cluster 5 ici

Programme 2021/2022 et budgets

	Budget (Mio €)	Share of total	Number of topics	Share of total
Climate science	274.0	9%	17	9%
Cross-sectorial solution	387.5	13%	25	13%
Energy supply	1226.3	40%	67	36%
Energy use	244.0	8%	18	10%
Clean and competitive transport modes	511.0	17%	31	17%
Smart mobility systems for people and goods	380.0	13%	28	15%
TOTAL	3022.8		186	

EU contribution per Destination and type of action
(2021-2022, in Mio EUR)



Appels à projets « aviation » 2021

Topic	Number of proposals received	Number of expected grants
HORIZON-CL5-2021-D5-01-05	24	6
HORIZON-CL5-2021-D5-01-06	32	5
total	55	11

HORIZON-CL5-2021-D5-01-05

- 5 projets financés, 3.5 à 6 M€/projet
- 1 coordination FR (23% du budget de l'AAP capté par le projet)

HORIZON-CL5-2021-D5-01-06

- 5 projets financés, 4.7 à 6 M€/projet
- 1 coordination FR (21% du budget de l'AAP capté par le projet)

Infoday et brokering event sur les appels à projets 2022 du Cluster 5 « Climat, énergie, mobilité », 3 et 4 février 2022

- Présentation des appels à propositions ouverts en 2022 au sein du cluster 5 de Horizon Europe.
- L'info day du 03.02 sera suivi d'un brokering event le 04.02.
- Plus d'informations sur l'agenda du 03.02 [ici](#), et inscription au brokering event [ici](#)

Forum Clean Aviation, 22 et 23 mars 2022 (lieu et format à préciser)

- Premier forum organisé par la JU Clean Aviation, plus d'informations [ici](#).



Le site officiel du MESRI dédié à Horizon Europe

- <https://www.horizon-europe.gouv.fr/transports>
- Revoir les webinaires organisés par le MESRI pour le lancement de Horizon Europe [ici](#)
- Ressources juridiques et financières : <https://www.horizon-europe.gouv.fr/ressources-juridiques-et-financieres-24384>

pcn-transport@recherche.gouv.fr

- Pour toutes vos questions sur la thématique « transport »
- Pour vous inscrire à notre liste de diffusion

3. Introduction to Clean Aviation

Sebastien DUBOIS
Head of Programmes



**Opportunités de
financement pour
l'aviation dans Horizon
Europe**

26 January 2022



CLEAN AVIATION

**CLEAN AVIATION:
TOWARDS CLIMATE
NEUTRAL AVIATION**



**Co-funded by
the European Union**

- 1st version issued on July 2020, as an input for the preparation of the Clean Aviation regulation (Vision of the European Aerospace Industry) to meet Green Deal Objectives (Impact driven)

[HTTPS://WWW.CLEAN-AVIATION.EU/](https://www.clean-aviation.eu/)

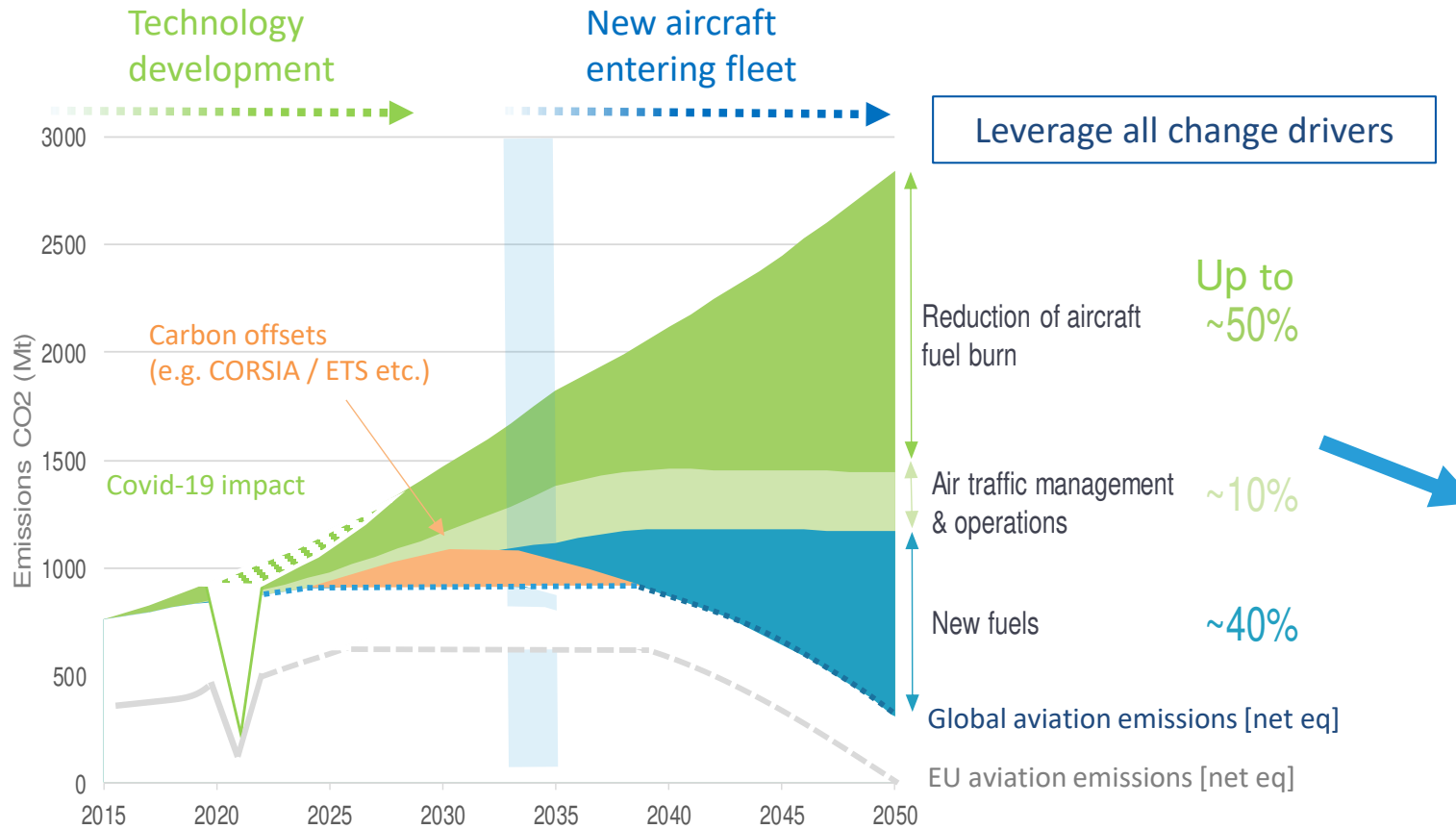
- Revised version adopted on 16th December 2021, to align with first programme objectives



CLEAN AVIATION NON-GOVERNMENTAL MEMBERS



EUROPEAN AVIATION SECTOR AND THE EUROPEAN GREEN DEAL



**Destination 2050:
A Route To Net Zero European Aviation**

Regional:	-50%
Single Aisle:	-30%
Single Aisle/H ₂ :	-35%
Short/Medium Range Twin Aisle:	-30%
Long Range Twin Aisle:	-30%

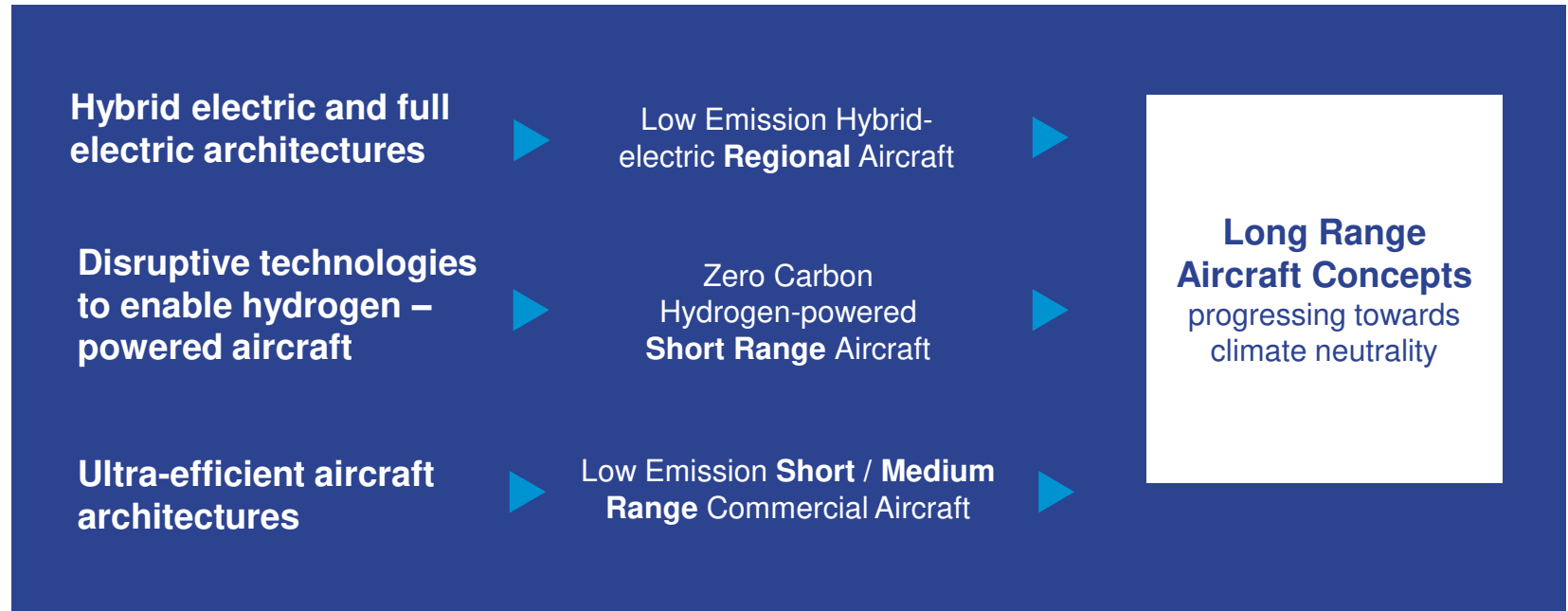
(all figures excluding SAF effect)

Source: IATA / Clean Sky 2 JU

DEVELOPING AND DEMONSTRATING DISRUPTIVE AIRCRAFT TECHNOLOGIES FOR 2030S



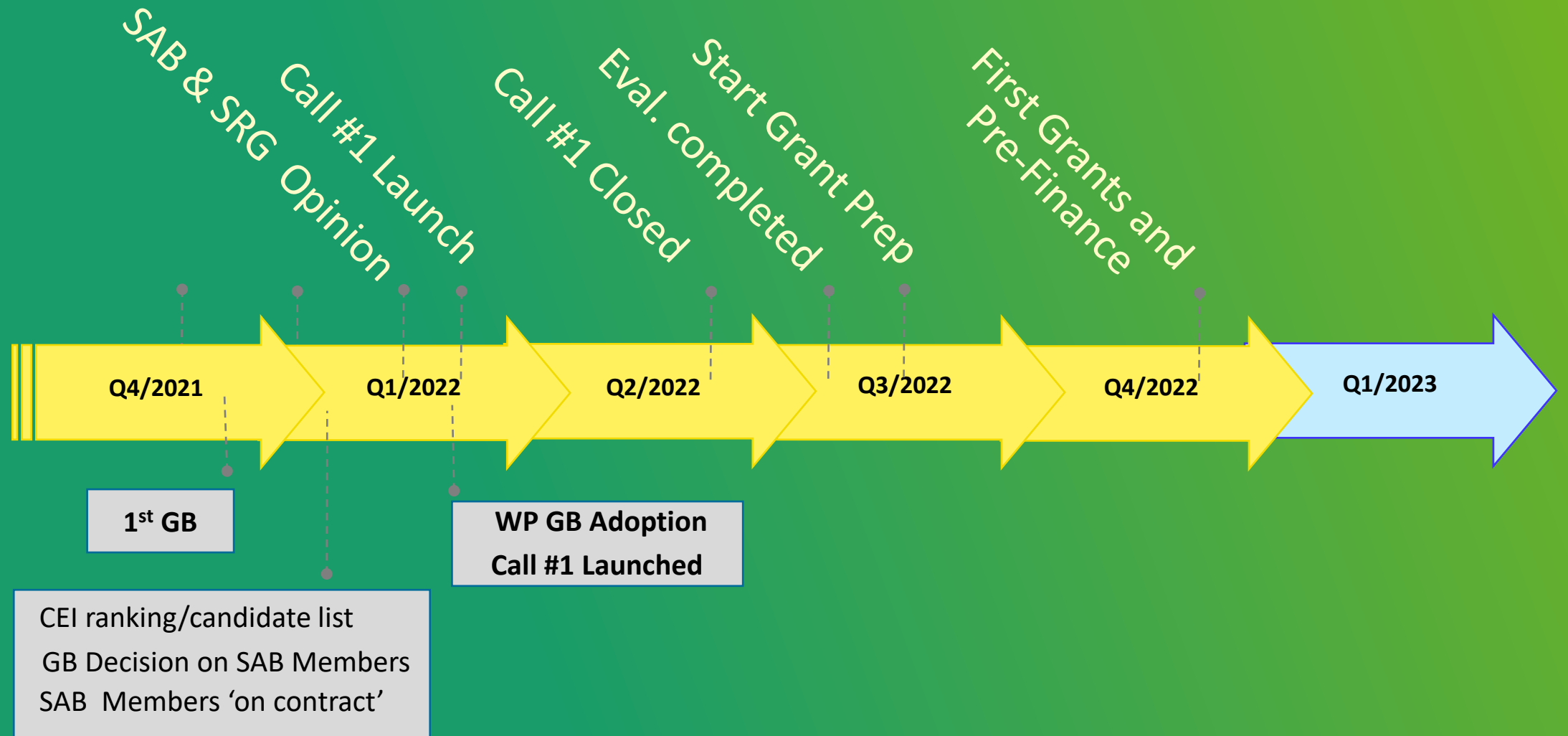
Clean Aviation Strategic Research and Innovation Agenda



Flight demonstration in Clean Aviation JU and Impact by 2035

Development of disruptive technology options

STEPS TO OPERATIONAL LAUNCH



LEARN MORE ABOUT CLEAN AVIATION



- Save the date: Clean Aviation Spring Forum = 22-23 March 2022, Brussels**
- Meet Clean Aviation at ILA Berlin = 22-26 June 2022, Berlin**
- Info Days throughout Europe in spring 2022**



CLEAN AVIATION

ENGAGE
with US!

www.clean-aviation.eu

Visit our online stand at
<https://cleansky.virtualfair.be/>



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