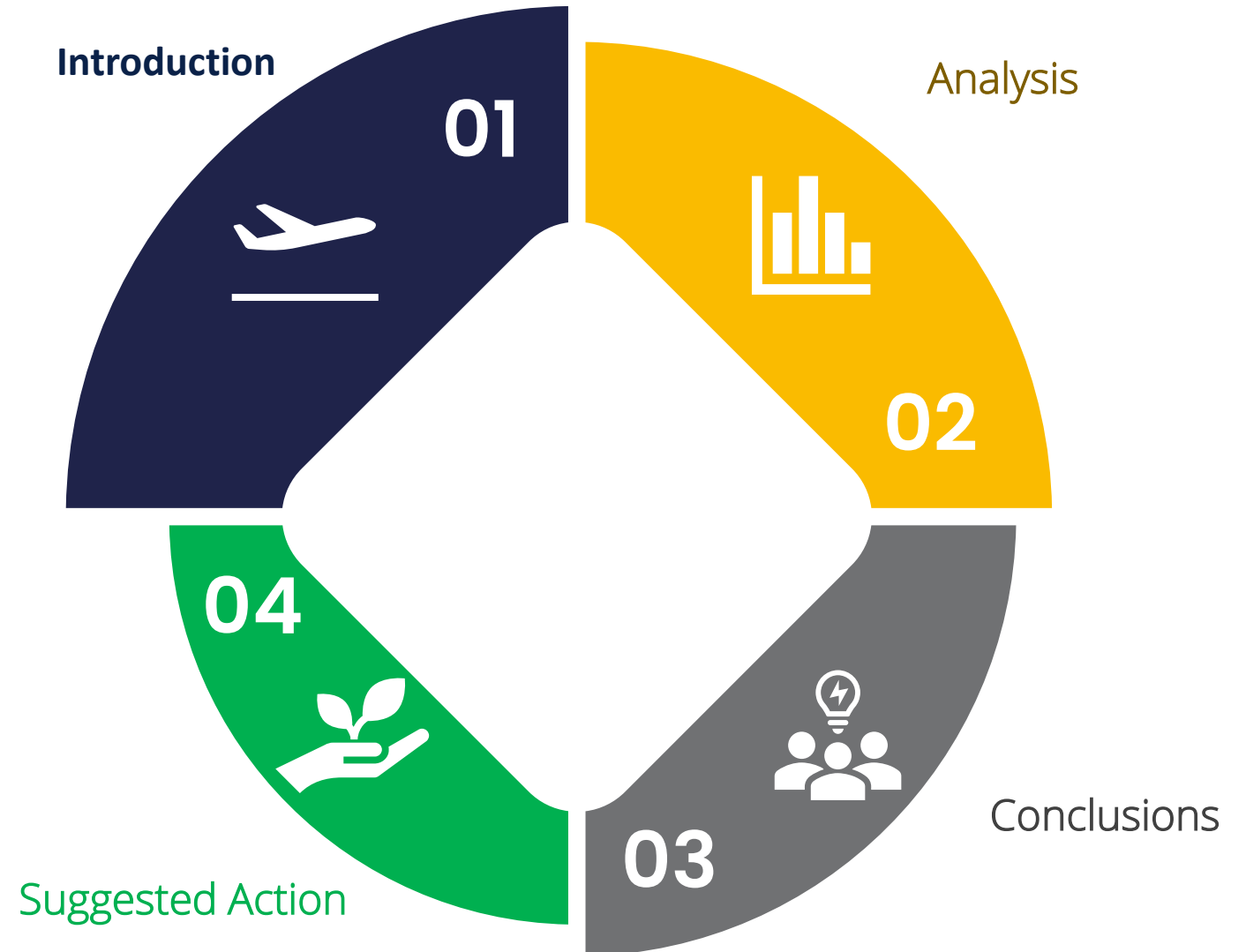


ACT-SAF in line with Challenges/contribution of Collaboration between ICAO and Central America

Working Paper for
NACC/DCA-12 meeting

COCESNA

WP Sections



Introduction

- The world is entering a new phase of global challenges
- Global forecasts are inaccurate on a scope of 25 years or more

against which progress is compared should be more frequently

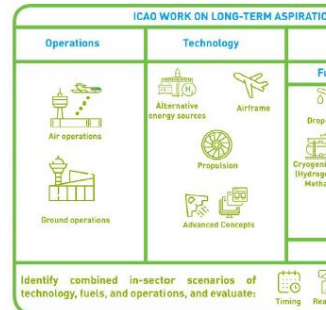
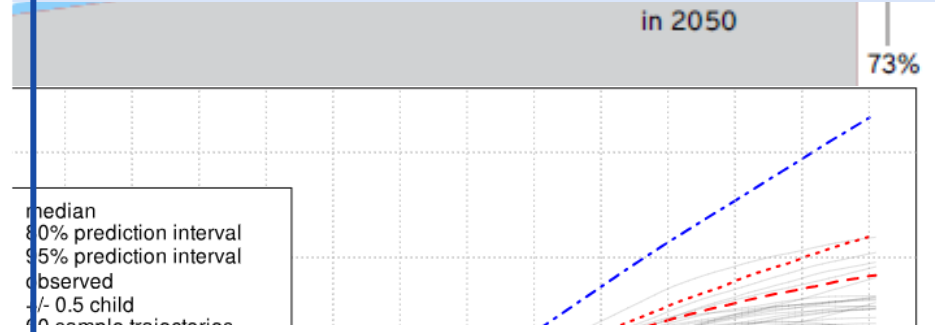
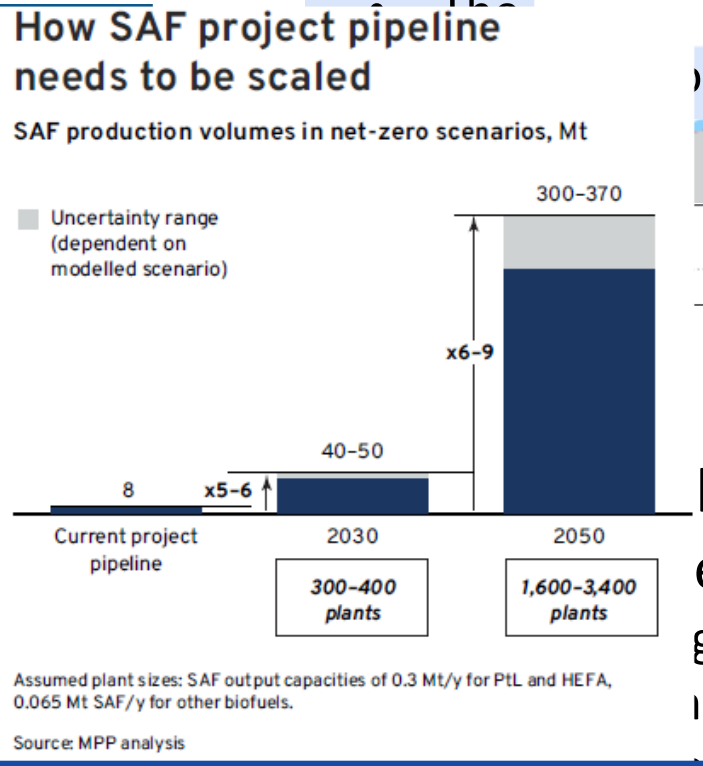


FIGURE 1: ICAO LTAG work elements and its technology



Aviation growth curve and its

due to several factors:

- growth,
- economic growth
- Aviation technological advances

SAF are scientifically and technologically intensive, substantial investments are needed to develop its reduction potential under the appropriate sustainability criteria.



GFAAF

Introduction

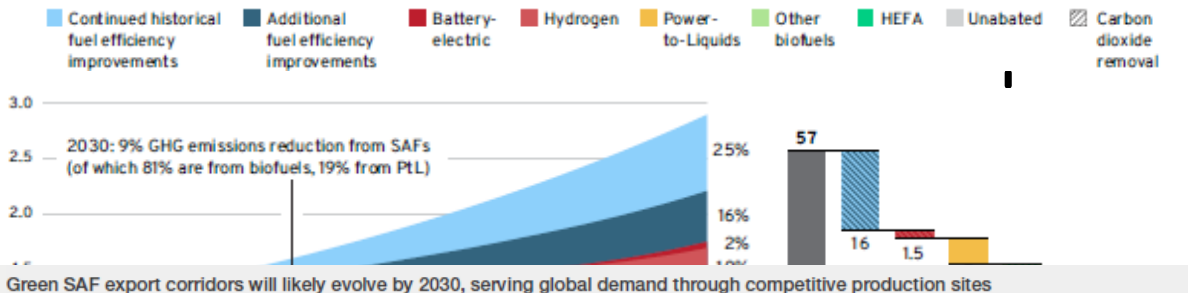
The member States of COCESNA within their activities in the environmental performance, promote the "Alliance (ALAS)" among other programs to strengthen the Assistance Training for sustainable aviation fuel programs (ACT-SAF), action.

We celebrate collaborative advances made in the region:

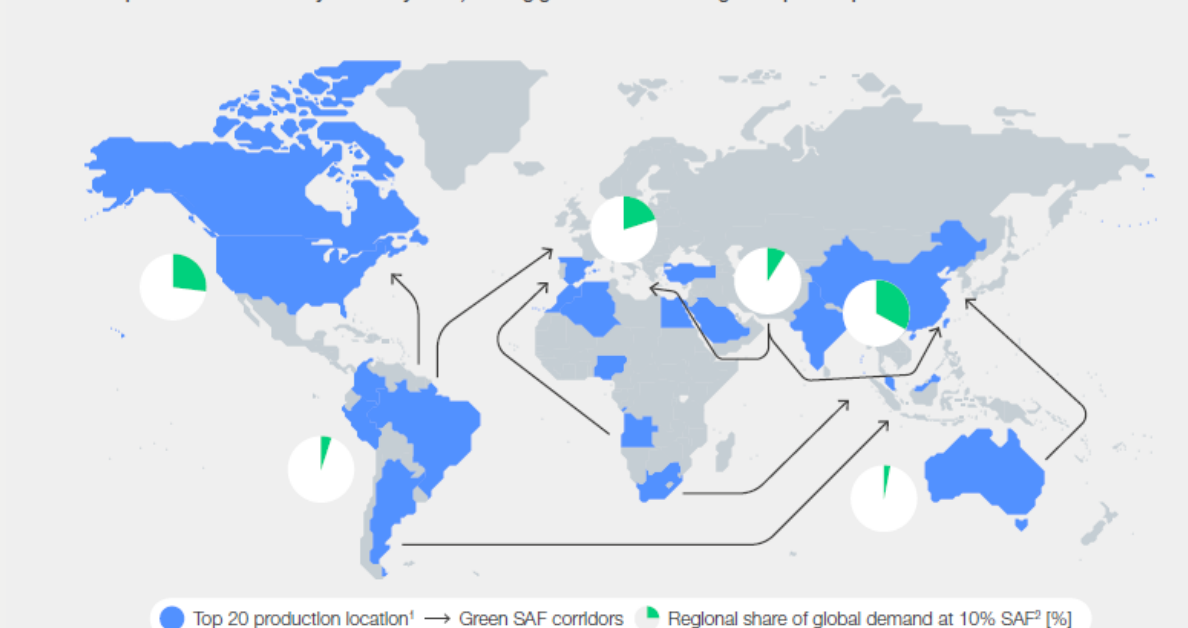
- Within the framework of ACT-SAF
- EASA's EULAC APP-II program and its plan to support the
- The ASCENT 93 Project of the FAA-USA with support progressing in creating a network of doctoral student countries.

A combination of GHG reduction levers can make net-zero aviation a reality

EXHIBIT A



Green SAF export corridors will likely evolve by 2030, serving global demand through competitive production sites



1. Based on the most competitive production cost regardless of deployed technology; 2. Based on EIA data and regional growth projections until 2030 from Mission Possible Partnership, *Making Net-Zero Aviation Possible: An Industry-Backed, 1.5°C-Aligned Transition Strategy* (2022).
 Source: Kearney and Airports of Tomorrow

Analysis

It exposes the common interest of the Central American States in promoting a sustainable air transport system by:

- Promoting economic progress and the circular economy,
- Protection of biodiversity and ecosystems
- Aviation operational safety and
- Responsible use of available natural resources.
- Energy efficiency,



Give answer to the importance of States and relevant stakeholders to keep working together for the development and deployment of:

- SAF,
- LCAF,
- other technologies &
- cleaner energy sources

Technology		Fuel	
		Fuels	Sources of energy
Alternative energy sources	Airframe	Drop-in fuels ¹	Wind Solar Nuclear
Propulsion		Cryogenic fuels (Hydrogen and Methane)	Biomass Fossil resources
Advanced Concepts		Electricity	Solid & liquid wastes Industrial waste gases

through programs such as  and its possible expansion su posible ampliación, as a means of concretely contribute to



Analysis

The necessary investments can vary from State to State and region to region so that:

- the **supply chains** of SAF and **raw material production** may be an efficient and competitive decarbonization kit.
- The developing this new aviation energy source requires research programs, production incentives, international support, and SAF policies to achieve the economic and environmental benefits of SAF in your State

The development of SAF in the world is a positive disruption of already established markets, which requires nuance in its approach to avoid negative effects.

Given the
consideration of

- The **challenge of navigating the ambitions** to venture towards decarbonizing aviation through SAF and LCAF. As well as **the magnitude** of the commitment to solidarity and pledge to cooperation towards a noble cause. So that States can prepare for and participate in the international platform with the impetus and vow, appropriate to their particular starting points.
- The reduction contributions are based on **differentiated** but shared **responsibilities** and in a **gradual but balanced increase** between the capacity for implementation and the pursuit of results.

Analysis

We consider, that current ambitions may fall beyond the State's capacity to participate responsibly pursuing a lauded challenge and opportunity. Safeguarding the efforts to straighten out their own urgent needs.

- Therefore, it prompts us to consider a planning posture of no hurry, no pause, to coordinate the different actions. With **solid but certain changes** towards the future of **opportunities connectivity**.

In this regard, is necessary to consolidate an international coordination mechanism to establish practical means for financial assistance, technology transfer, and capacity-building efforts towards the pinnacle achievement of establishing SAF.

All aviation actors are urged to seek collaboration and the highest possible level of progress in the implementation of ACT-SAF Program in promoting common solutions that facilitate the international aviation sector to achieve its environmental objectives.

*We encourage you to review the WP associated with this presentation

Conclusions

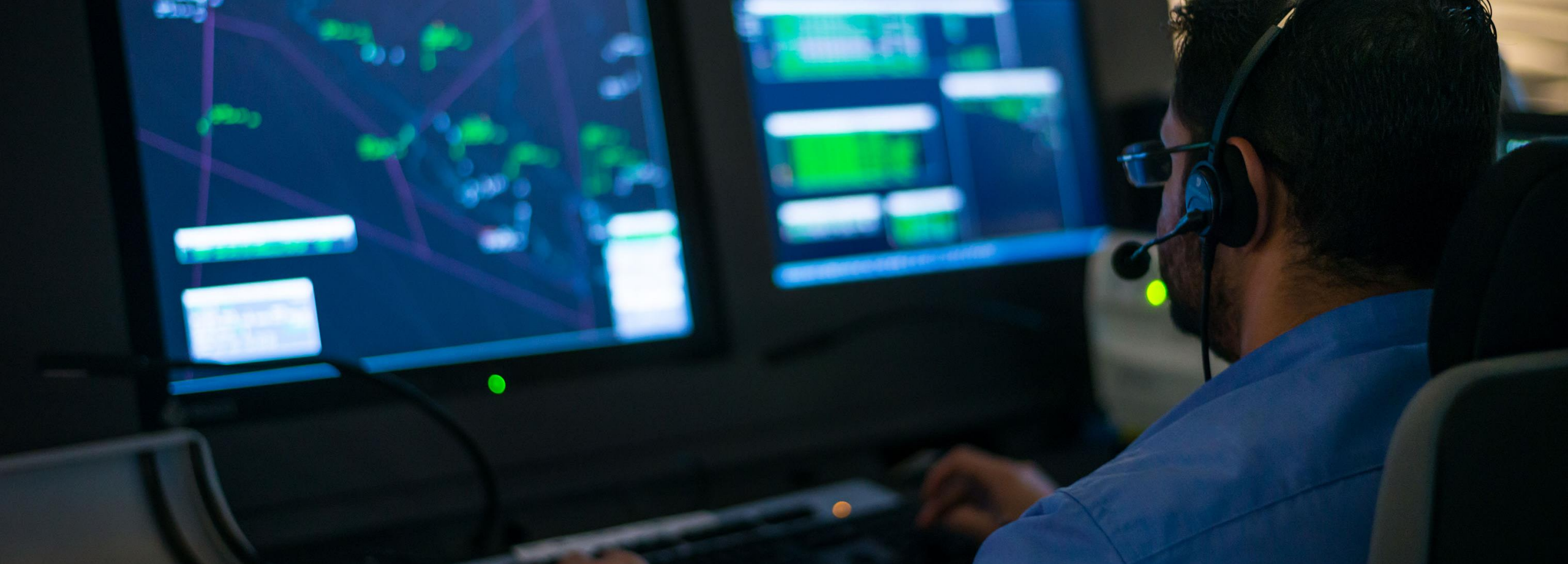
- The establishment of mutually beneficial cooperation alliances in the international aviation sector is crucial to address the challenges of implementing assistance, capacity building, and instruction programs and projects for sustainable aviation fuels, for which this alliance is proactively promoted as a coordination mechanism between several sectors for sustained development towards decarbonization.

The CAEP especially the FTG, as well as any other relevant ICAO body, are urged to provide support in the layout of diverse entities to allow the provision of technological and economic resources that make the energy transition possible as a method for achieving the aspirational goals set for environmental concerns, of the LTAG and the ICAO Global Framework for SAF, LCAF, and other aviation clean energies.
- The Central American States integrated in COCESNA; ponder the existing raw materials in the region, as a differentiating element to focus from different mechanisms of international development, the commitment to promote the SAF-LCAF as a strategy of environmental, economic, and social sustainability.

Suggested Action

The Meeting is invited to

- a) Note the information presented in this Working Paper;
- b) Invite other States and organizations to join this initiative;
- c) Consider the efforts being made around the world and in the region to scale up energy solutions to reduce aviation emissions;
- d) Invite States to participate and generate the necessary activities with stakeholders to fly towards a better aviation world.
- e) Ponder the need for cooperation, mutual support, and domestic enforcement among States to meet environmental aspiration objectives and change the course of emissions from the sector; and
- f) To request the timely intervention of ICAO/CAEP for coordination mechanisms for bilateral, multilateral, and south-south cooperation, in technical and financial resources for the execution of these initiatives.



¿Questions?