



2024 ICAO LTAG STOCKTAKING

7 — 10 OCTOBER 2024
ICAO HEADQUARTERS, MONTREAL, CANADA



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Chile

Session

Special Session on Hydrogen use in aviation



GOVERNANCE



Clean Flight: to promote energy sustainability & public-private collaboration

- Baseline fuel consumption and emissions from domestic and international flights.
- Operational improvements.
- Promotion of **SAF** development.



POLICY FRAMEWORK: ENERGY TRANSITION AND GH2



Long Term Climate Strategy

By 2040: 20% reduction in direct GHG from fuels in transportation, compared to 2018.

40% by 2050.



National Green Hydrogen Strategy

- Cheapest green hydrogen by 2030.
- World's leading exporters by 2040.
- To have 5 GW of electrolysis capacity under development by 2025.



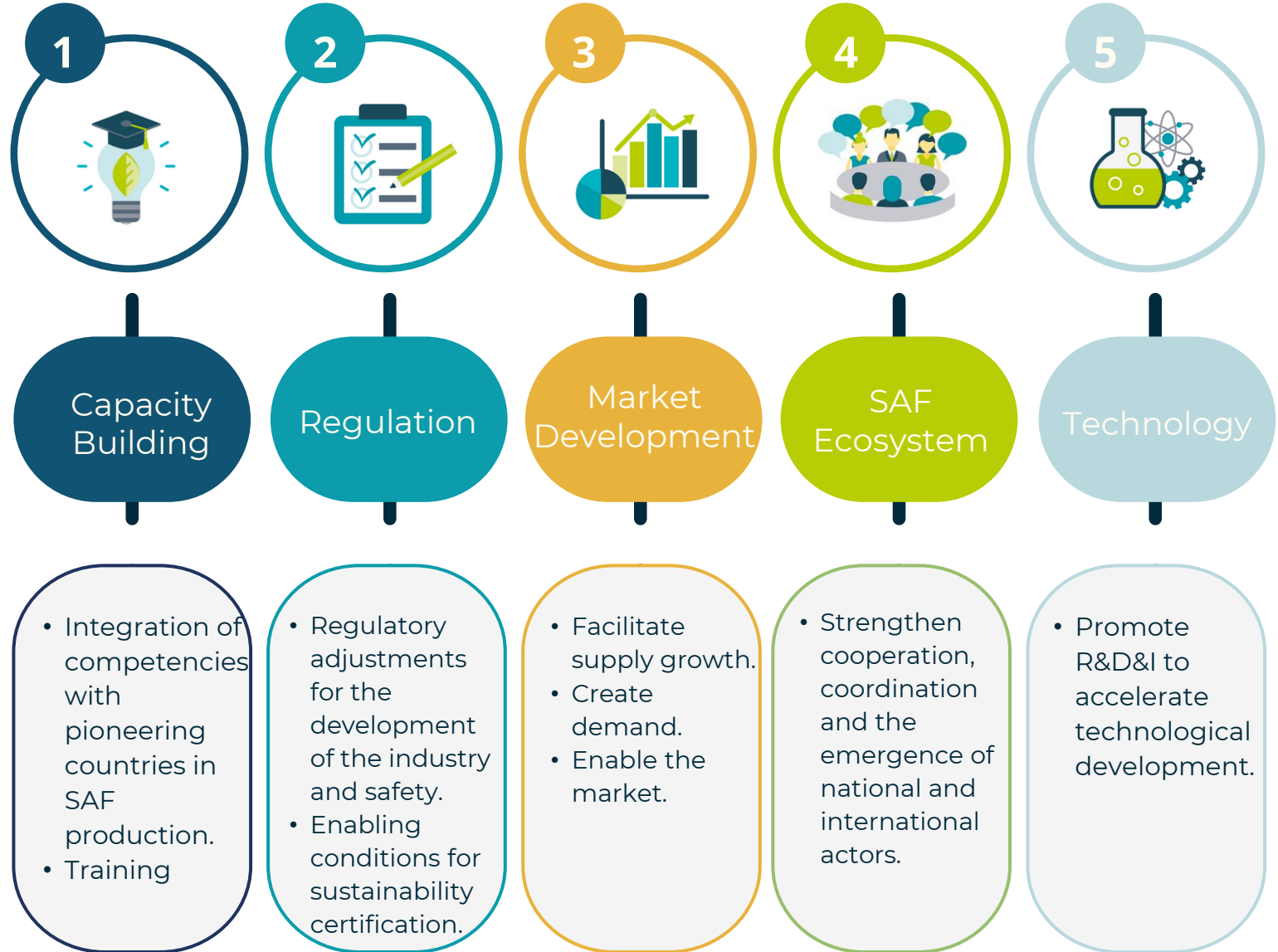
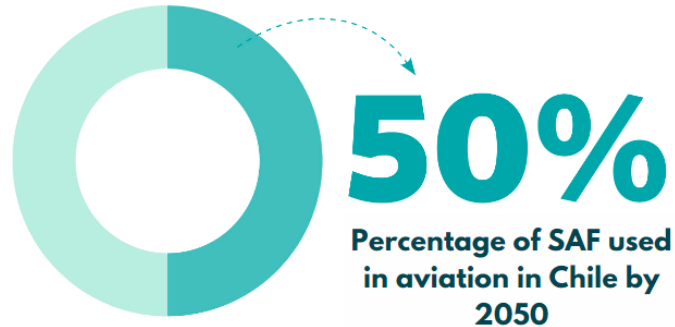
Green Hydrogen Action Plan 2023-2030

- Defines a roadmap for the deployment of GH2 and its derivatives.
- Defines roles and responsibilities in the State agencies, programming and financing actions.
- Promoted participation along all sectors and territories.



POLICY FRAMEWORK - CHILE'S SAF ROADMAP

OUR AMBITION



SAF AGREEMENT AND HYDROGEN



ACUERDO PÚBLICO-PRIVADO SAF

HIF Global

Reaffirms its commitment to promoting the production of e-SAF within its portfolio of projects under development in Chile and in the world. Includes the development, construction, and operation of a pilot reactor for e-SAF at the Haru-Oni plant, to produce the first liters of e-SAF in Chile before 2030.

INERATEC

Aims to develop two **pilot projects for e-fuels production** over the next two years (**2024-2026**) in cooperation with local stakeholders.

Universidad Católica de la Santísima Concepción (UCSC)

Commits for the production of SAF at the laboratory scale, obtained from oils, lignin, and GH_2 .

Linde

contributing with expertise in the hydrogen value chain, its derivatives, and international regulations.

Air Liquide

Exploring the PtL route, utilizing its expertise in renewable H_2 production, CO_2 capture, distribution, and methanol production technologies. They aim to integrate these technologies into a process plant for Jet Fuel production, considering their cryogenic CO_2 capture technology for transporting biogenic CO_2 .



GREEN HYDROGEN AND E-FUELS PROJECTS IN CHILE

The first industrial-scale green hydrogen plant in Latin America.



Haru Oni is the world's first operational e-Fuels plant.



Chilean SAF Roadmap and ACT-SAF feasibility study with special focus on GH2.



Santiago Airport aims to become the first in Latin America to operate with green hydrogen.



UCSC presented the infrastructure of the first Green Hydrogen plant at universities in Chile: includes SAF



The first molecules of e-fuel will be generated in 2025 in the southern part of the country.



CHILE: SAF ROADMAP 2050



Thank You

