



ICAO

ENVIRONMENT



2023 ICAO STOCKTAKING AND PRE-CAAF/3 POLICY AND FINANCE CONSULTATION



11 to 13 July 2023
Montréal, ICAO Headquarters



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United States FAA

“ACT” SAF

ASCENT Project 93 - Collaborative Research Network for Global SAF Supply Chain Development

Project Objectives:

Identify waste and biomass feedstock availability

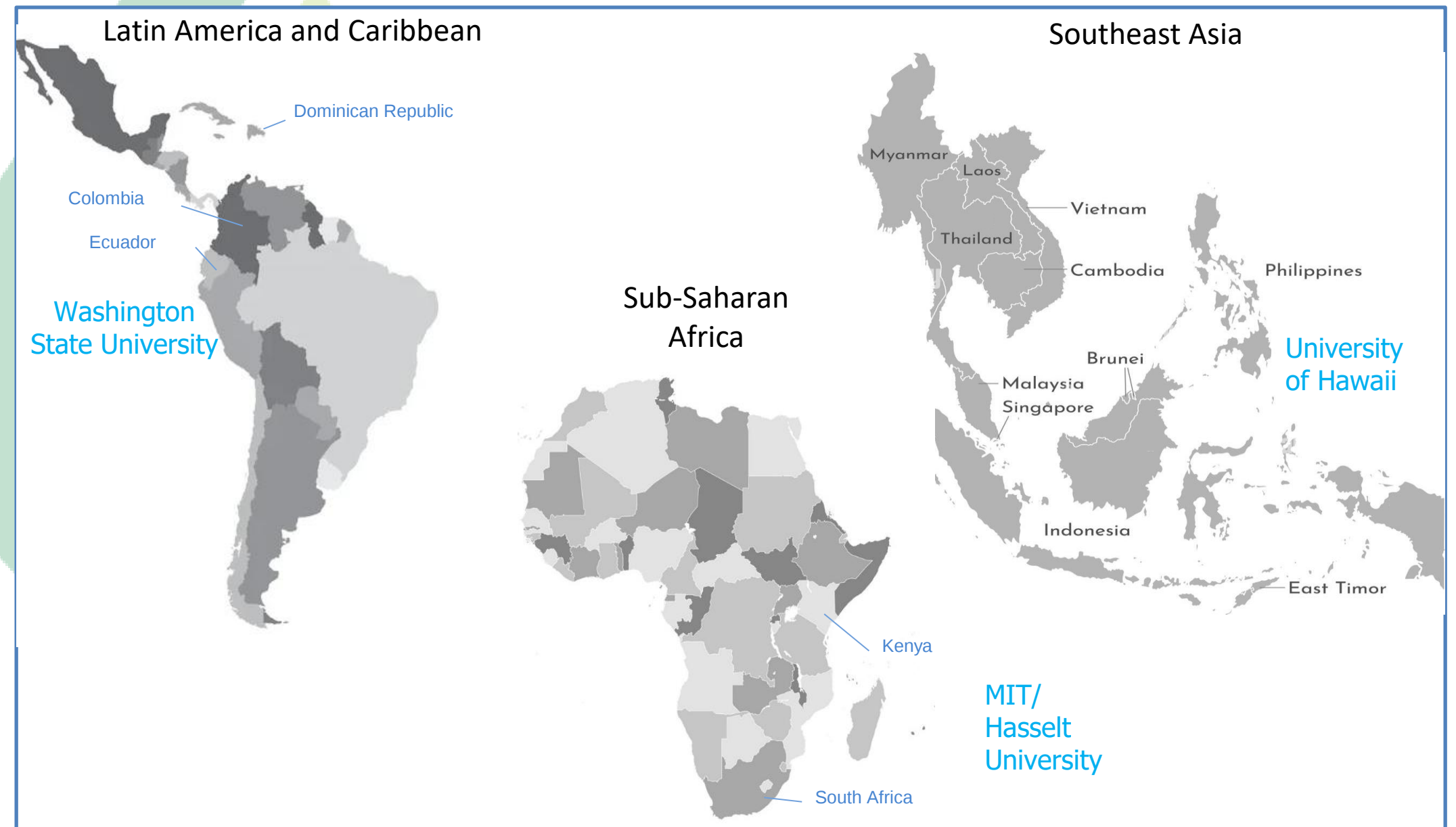
Updated bottoms-up assessment of global SAF feedstock potential and key barriers

Analyze new pathways to optimize SAF production

Assess infrastructure needs and logistical requirements for a holistic approach to SAF supply chain development

Identify existing industries and infrastructure that could be leveraged for SAF production thus ensuring rapid development

Develop a network of PhD students to work with universities in the regions of interest to extend supply chain analysis techniques and tools

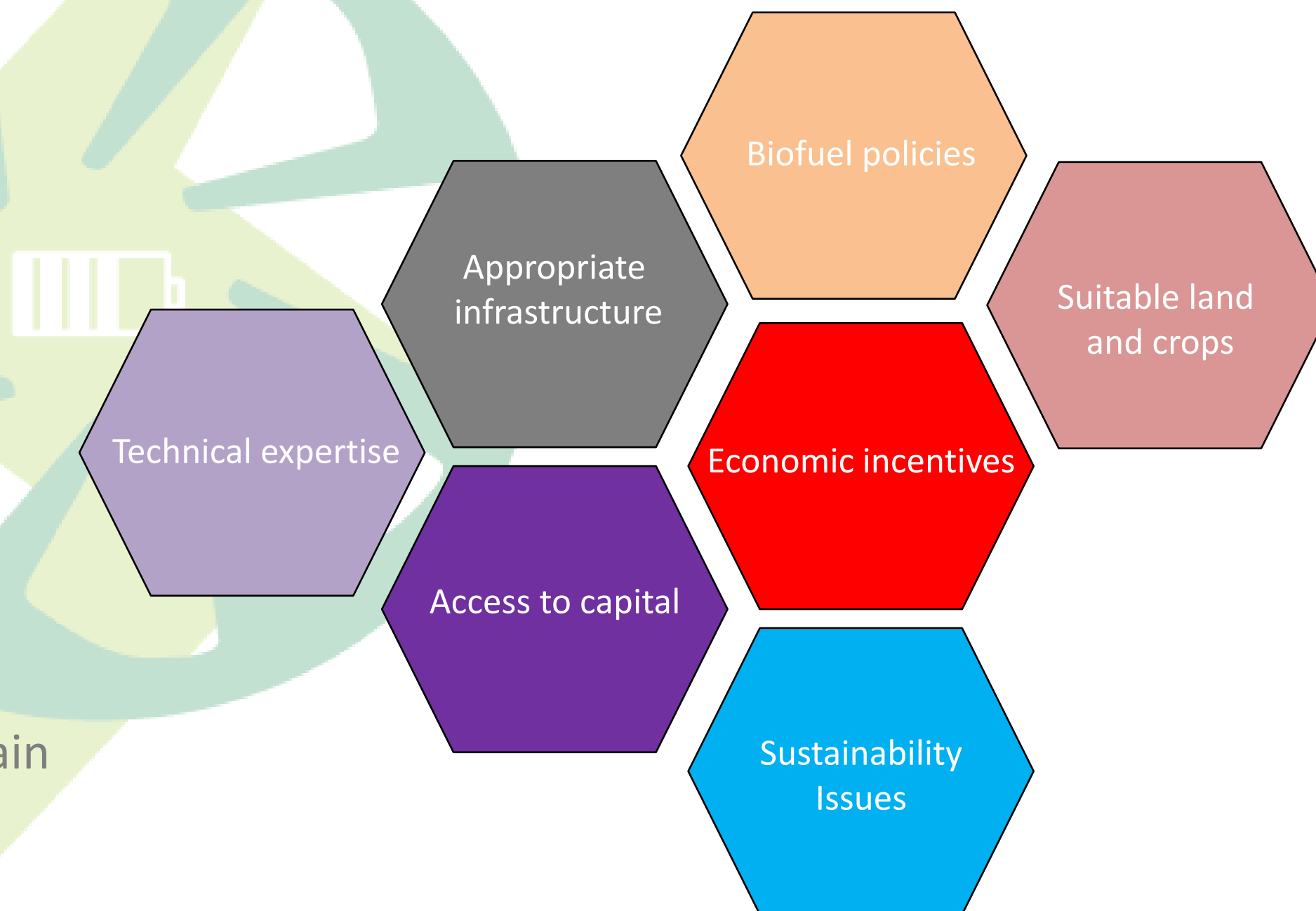


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Assistance

The FAA and FAA-funded research universities are working with local stakeholders to update and adapt models and analyses developed under ASCENT for specific country situations.

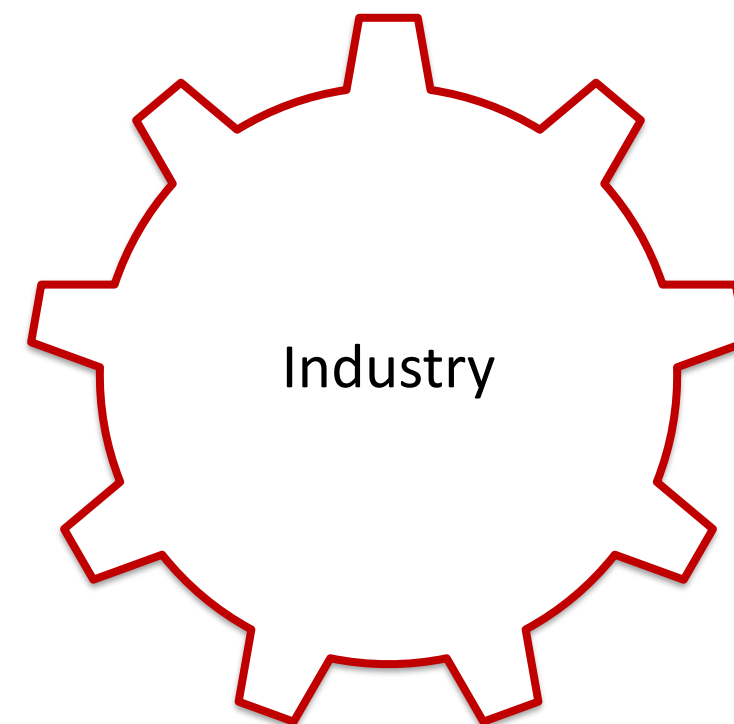
- Every country and region has a unique set of challenges and opportunities that need to be carefully evaluated to build a viable SAF supply chain



C Capacity Building

A key piece of the Project is working with local universities to recruit PhD students from the different regions to work on SAF supply chain topics relevant for their countries.

Because each country has its own unique needs, an initial step is defining a local expert working group, which allows for collaboration but identifies gaps where PhD students can have a lasting, positive impact.



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Training

The teams are developing courses/workshops/webinars/tutorials on topics related to the SAF value chain that are relevant for their unique circumstances.

Topics

CORSIA
 (Induced) land-use change
 Feedstocks & farming
 SAF Sustainability
 SAF logistics
 Conversion technologies
 Project financing
 Fuel properties and combustion emissions
 Fuel certification
 Economics (including TEA)
 Environmental impacts (including LCA modeling)
 Other regulations

(Notional list of possible topics)

The courses or workshops that are developed will depend on the expertise available and the needs identified.

Thank You



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