

ความร่วมมือระหว่างประเทศเพื่อการพัฒนาเทคโนโลยีด้าน เชื้อเพลิงอากาศยานยั่งยืน

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The aimed to:

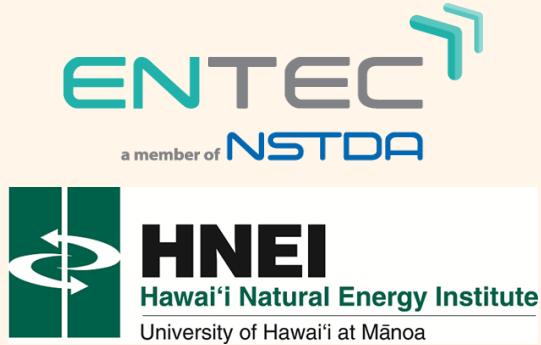
Connect
stakeholders

Foster
collaboration

Driven innovation
in the adoption
of SAF worldwide

While also providing an opportunity to
share knowledge and inspire participants

Workshop



A stakeholder consultation workshop was used as a mean to develop SAF strategies in ASEAN countries.

The workshop, held in Bangkok, Thailand in May 2023, was attended by

- Policy makers
- Regulators
- Academic and research institutes
- Private sector



Workshop Highlights:



Sustainable funding models and strategies are needed for the aviation industry's transition to SAF.



There is lack of discussion on sustainability and economic viability of the feedstocks.



Infrastructure development is crucial for production, storage, and distribution of SAF.



R&D investment is required to diversify feedstock options and promote sustainable alternatives that do not compete with food supply.

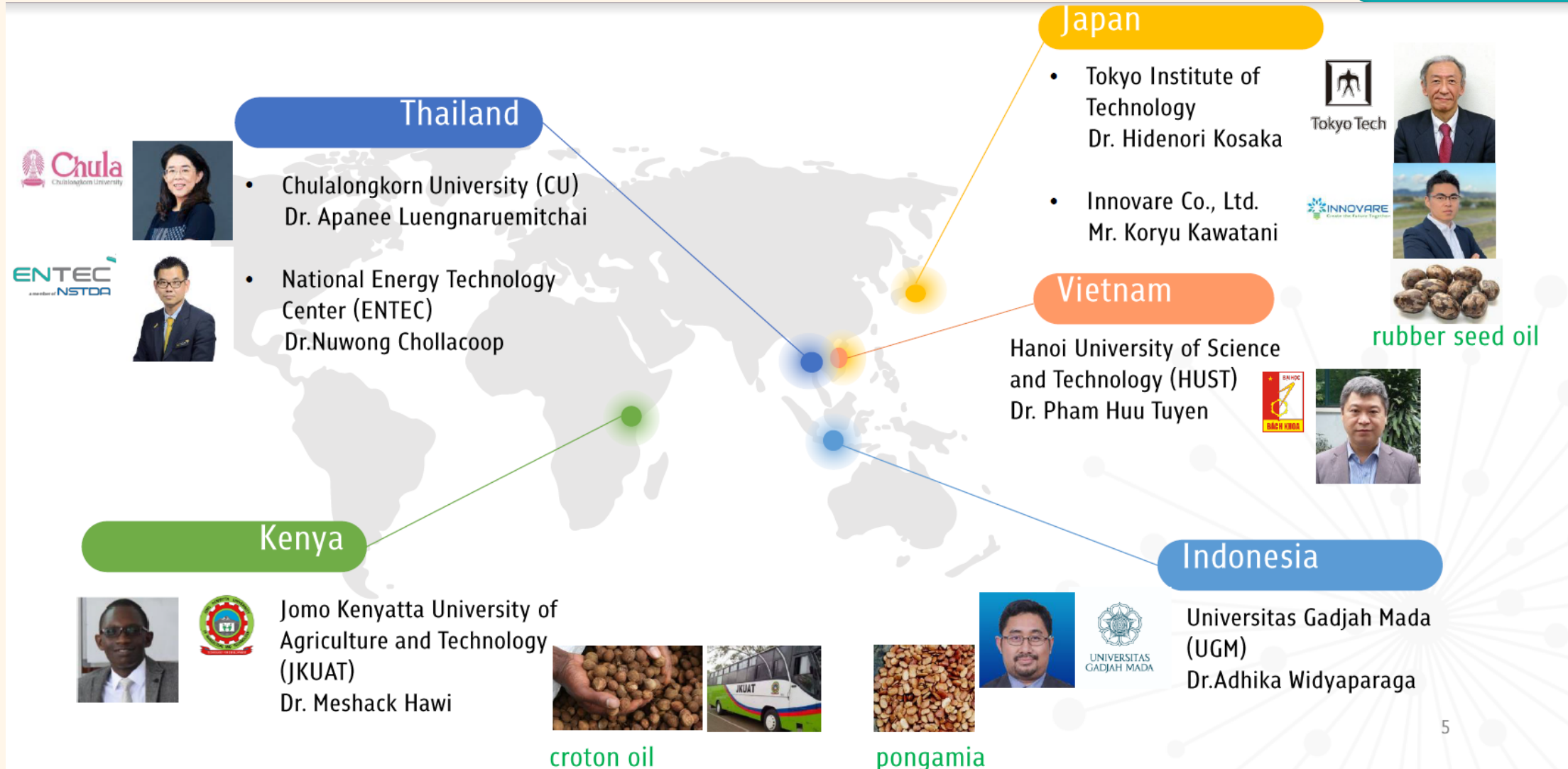
Recommendations:

Countries should explore and establish supporting policy, e.g., the use of incentives and carbon credits to promote SAF production and adoption.

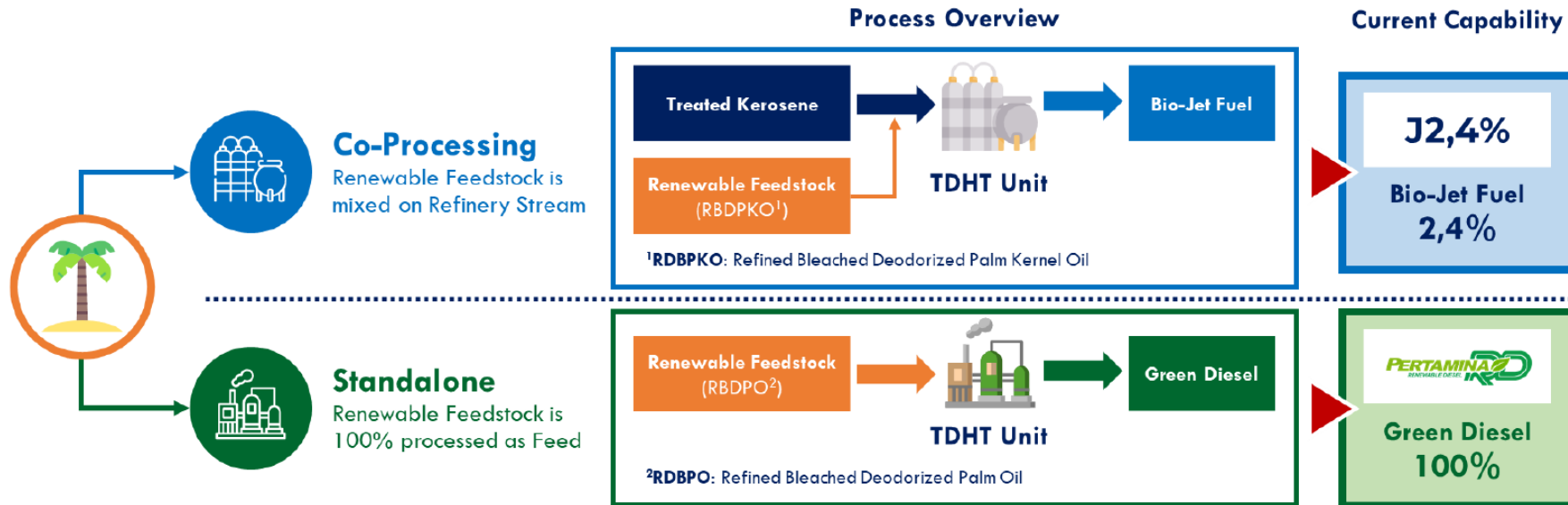
Countries should also raise awareness and develop education initiatives to inform stakeholders, including the public, about the benefits and importance of SAF.

Countries should come up with long-term planning, monitoring mechanism to track progress in SAF adoption, and evaluation the environmental and economic impact.

Transbio and Non-edible feedstocks



SAF production in Indonesia



1st Year Workshop meeting between JICA AUN/SEED-Net: TransBio project and the Bioenergy Directorate



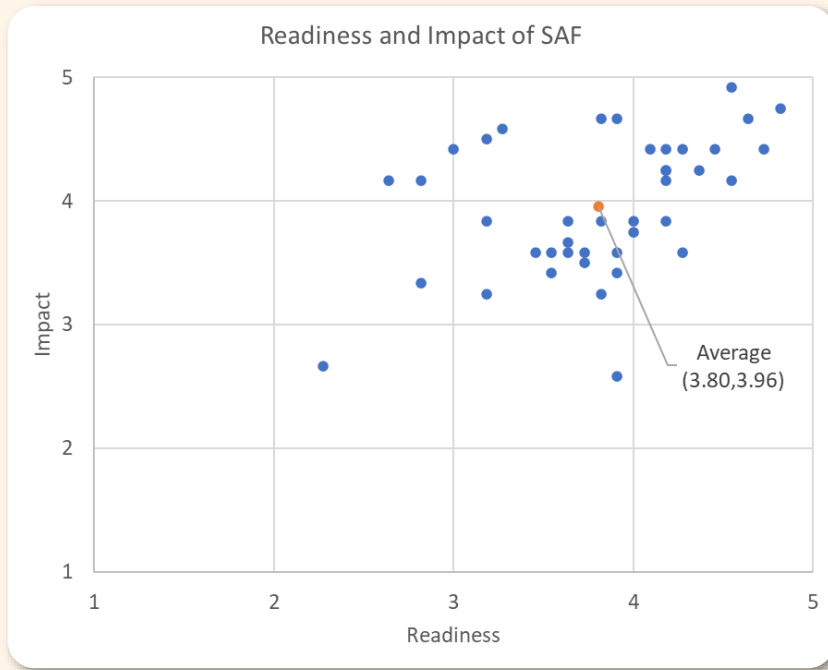
Stakeholder Interview



Onsite & Online interview

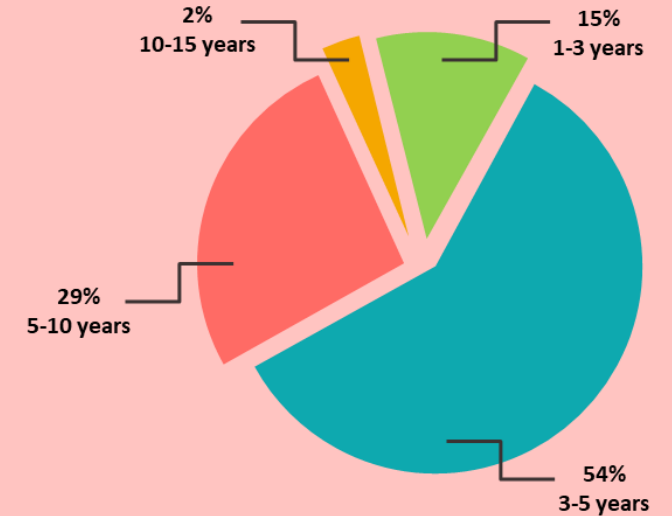
- ✔ Understanding Perspectives
- ✔ Barriers and Opportunities
- ✔ Readiness
- ✔ Impact

Interview Results



★ Predicting an exact timeline for SAF readiness on a global scale is challenging

★ Thailand estimates suggest that SAF could achieve more widespread adoption within the 3 – 10 Years.



Readiness

1. Airline
2. Distributors
3. Fuel producer
4. Raw Material
5. Government Agencies and Regulators

Impact

1. Distributors
2. Government Agencies and Regulators
3. Airline
4. Raw Material
5. Fuel producer

Cost is the Main challenges for SAF adoption.

- ✈ Production Costs
- ✈ Economies of Scale

Regulation and Policy significant support to the widespread adoption.

- ✈ project developments
- ✈ investments

The findings provided valuable **insight** for policymakers, industry stakeholders, and researchers, facilitating the **advancement of SAF adoption** within the aviation industry and **mitigating its environmental footprint**.

Recommendations for the way forward included

- »» Establishing supportive policies
- »» Raising awareness through education initiatives
- »» Implementing long-term planning
- »» Monitoring mechanisms to track progress and
- »» Evaluate environmental and economic impacts.

Thank you

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