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Role of SAF feasibility studies

Jane Hupe, Deputy Director, ICAO, Environment





SAF Needs and Benefits





SAF development and deployment

- In order to fully realize the benefits of SAF, it is often useful to develop a comprehensive SAF feasibility study.



BURKINA FASO



FEASIBILITY STUDY ON THE USE OF SUSTAINABLE AVIATION FUELS

ICAO-EUROPEAN UNION ASSISTANCE PROJECT:
CAPACITY BUILDING FOR CO₂ MITIGATION FROM INTERNATIONAL AVIATION



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What is Feasibility Study





Contents of feasibility study



FEASIBILITY STUDIES

- ✓ **FEEDSTOCK:** Availability of feedstock, production conditions, logistic, price, etc.
- ✓ **TECHNOLOGY:** Suitable conversion process, technology transfer, capacity building, etc.
- ✓ **FINANCING & MARKET:** Financial support mechanism, market analysis, supply chain, etc.
- ✓ **SUSTAINABILITY:** Impacts on environmental, social and economic aspects
- ✓ **POLICY & GOVERNANCE:** Policy analysis, government intervention, local culture issue



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Benefits of Feasibility Study





Identify potential feedstock types and capacity in your State



Oil based crop



Wastes



Biomass



Integrate different resources to develop potential SAF market

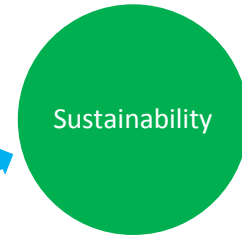




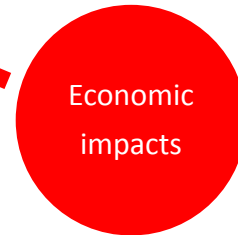
Provide comprehensive sustainability evaluation



e.g. Job creation, gender equity,
education opportunity ...



e.g. GHG emission,
biodiversity, land use
change...

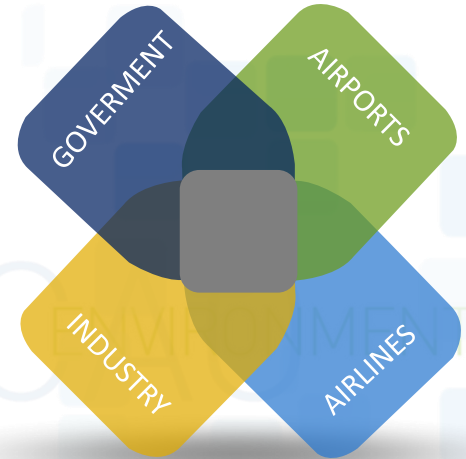


e.g. Local economy,
gross value added...



Establish Roadmap Strategy

- Establish roadmap strategy for Short Term, Medium term and Long term.
- Bring all stakeholders of SAF, including government, airport, fuel industry, airlines, sustainability evaluation organizations, etc.





Share experience and develop partnerships



Successful SAF development and deployment



- Sign up at the ICAO Environment booth outside the meeting room, in order to indicate :
 - Your State or Organization’s informal interest in supporting potential future SAF feasibility studies, or
 - Your State’s informal interest in participating in a potential future SAF feasibility study



- So far, we have received informal interest from:
 - 3 potential supporting States or Organizations, and
 - 2 potential beneficiary States



Conclusions

- Technical and financial assistance can be a catalyst to trigger initiatives at the State Level
- Advocacy and mobilization of different stakeholders is important for SAF projects
- An important role of ICAO is providing technical assistance and outreach





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**WE ALL HAVE A ROLE
IN ADDRESSING
CLIMATE CHANGE**



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Central American
and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

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Headquarters
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Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU