

AGENDA

SAF Training for ACI & AFRAA: *How to become SAF-ready?* *How to make SAF happen?*

Arusha, Tanzania, 23-25.04.2025

DAY 01 – 23.04.2025: The fundamentals of SAF

TIME ARUSHA LOCAL TIME	TITLE, SPEAKER
08:30 H – 09:00 H	REGISTRATION
09:00 H – 09:30 H	Welcome & Opening remarks ACI Africa / AFRAA/ EASA/ AFCAC
09:30 H – 09:50 H	Continental SAF Policy and Action Plan AFCAC/AUC
09:50 H -10:00 H	Welcome, setting the scene and expectation query SAF experts EASA

Section 1: Understanding the fundamentals of SAF & decarbonization of aviation

Learning Objectives:

1. Analyse SAF's role in decarbonization of the aviation sector: Evaluate how Sustainable Aviation Fuels (SAF) reduce aviation emissions by studying its contribution to achieving the Long-Term Aspirational Goals (LTAG) and integrating these insights into own SAF related strategies and initiatives for the individual organization as well as overarching industry associations
2. Apply technical and sustainability knowledge: Identify and compare SAF production pathways, feedstocks, and quality as well as sustainability certifications (ASTM; ISCC/RSB). Use this knowledge to assess sustainability compliance, navigate regulatory frameworks, and evaluate SAF processes technologies in aviation fuel production.
3. Leverage SAF benefits for implementation: Design strategies to promote SAF adoption by analysing their environmental, socio-economic, and commercial benefits. Develop action plans to enhance fuel availability and scalability within the aviation sector.

10:00 H – 10:20 H	Sustainable Aviation Fuel (SAF) as key value driver for sustainability in aviation Ms. Raphaela Spielberg – SAF Experts EASA Q&A
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10:20 H – 10:50 H

SAF Basics 1: Fundamentals of SAF and the Role of Hydrogen in decarbonizing aviation.

Mr. Christoph Behrendt-Rieken – SAF Experts EASA

Q&A

10:50 H – 11:10

COFFEE BREAK

11:10 H – 12:30 H

Thought Leadership Talks: Best practice sharing through expert contributions

- **OEM Expert Talk – Airbus**
- **Airport Expert Talk – Schiphol Airport**
- **Airline Expert Talk – Lufthansa**
- **OEM Expert Talk – Boeing**

Speakers: Claire Kauffmann, Airbus (online) - Denise Pronk, Schiphol (online) - Erin Beilharz, Lufthansa (onsite) – Steve Gillard, Boeing (online)

12:30 H – 13:00 H

SAF QUIZ to find the SAF Champion

13:00 H – 14:00 H

LUNCH BREAK

Section 2: Value Chain & Direct Supply Line – our guiding principle for the Training

Learning Objectives:

1. Implement the Direct Supply Line (DSL) concept: Analyse the DSL framework for SAF, including its blueprint and stakeholder roles. Develop actionable plans to address challenges, implement recommendations, and form impactful partnerships, such as initiating SAF alliances in Africa.

2. Integrate stakeholder insights into SAF strategies: Assess SAF production and project development through the perspectives of producers, technology developers, airlines, and airports. Use insights from global rollouts and successful initiatives (e.g., offtake agreements and investments) to design tailored SAF adoption and development plans.

3. Build collaborative frameworks for SAF growth: Facilitate effective collaboration among SAF producers, airlines, airports, and regulators by identifying and addressing and overcoming technical, commercial, and regulatory barriers. Create a roadmap to accelerate SAF adoption through coordinated efforts and shared objectives.



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14:00 H – 14:40 H	The Direct Supply Line (DSL) concept: Rationale, strategic requirements and elements for establishing a Direct Supply Line in contemporary market conditions Ms. Raphaela Spielberg – SAF Experts Q&A
14:40 H – 15:40 H	Case Study / Simulation exercise 1: Partnerships along the SAF Value Chain Break-out rooms
15:40 H – 16:00	COFFEE BREAK
16:00 H – 16:25 H	The Producer's perspective / The perspective of an Industry Facilitator Andrew Chen - RMI (Sustainable Aviation Fuel Buyers' Alliance – SABA) (online)
16:25 H – 16:50 H	The Airlines' perspective Key expert Erin Beilharz - Lufthansa (onsite)
16:50 H – 17:15 H	The Airport's perspective Key expert Juliana Scavuzzi - Heathrow Airport (online)
17:15 H – 17:30 H	SAF QUIZ to find the SAF Champion & Wrap-up Day 1



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DAY 02 – 24.04.2025: Central elements of the Direct Supply Line

TIME ARUSHA LOCAL TIME	TITLE, SPEAKER
08:30 H – 09:00 H	REGISTRATION
Section 3: Feedstock supply, preparation and certification	
<i>Learning Objectives:</i>	
<p>1. <i>Classify and certify SAF feedstocks: Identify and categorize SAF feedstocks based on their regulatory eligibility (e.g., under CORSIA) and sustainability certifications (e.g., ISCC, RSB). Develop the skills to navigate compliance processes and propose new feedstock types for certification.</i></p> <p>2. <i>Apply sustainability and lifecycle assessment (LCA): Implement LCA methodologies to evaluate the environmental impact of SAF production across feedstocks, logistics, and production stages. Utilize certification schemes and best practices to assess and optimize emerging feedstocks and technology pathways.</i></p> <p>3. <i>Enhance feedstock utilization in Africa: Analyse the availability, economic viability, and logistical barriers of feedstock supply chains in Africa. Design actionable strategies to activate new feedstocks, improve collection, preprocessing, and transportation while fostering sustainable and scalable SAF production in the region.</i></p>	
09:00 H – 09:45 H	SAF Feedstock basics: Fundamental know-how, CORSIA eligibility and Sustainability Certifications Dr. Fabian Schmitt – SAF Experts EASA Mr. Nipun Jagtap – SAF Experts EASA Q&A
09:45 H – 10:15 H	Feedstock potential in Africa Yitatek Yitbarek - RSB (onsite)
10:15 H – 10:30 H	COFFEE BREAK
10:30 H – 11:30 H	Case Study / Simulation exercise 2: LCA for supply chain and interpretation



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11:30 H – 11:45 H **Actionable tools for the iteration of key Direct Supply Line questions**
Mr. Nipun Jagtap – SAF Experts EASA

11:45 H – 12:00 H **SAF QUIZ to find the SAF Champion**

12:00 H – 13:10 H **LUNCH BREAK**

Section 4: SAF Production and project development

Learning Objectives

- 1. Evaluate SAF production pathways: Analyse current and emerging SAF production pathways, assessing their advantages, energy balances, and compliance with certification standards such as ASTM and blending quotas. Apply this understanding to identify the most suitable pathways for own initiatives and/or regional needs.*
- 2. Navigate SAF project development lifecycles: Implement the FEL (frontend loading) process to guide SAF project development, from initial concept to operational optimization. Differentiate between pioneering (FOAK) and next-generation plants to effectively plan and manage project timelines and outcomes.*
- 3. Advance technology adoption and mitigate risks: Assess the maturity of SAF technologies, from early-stage innovations to commercially viable solutions. Develop and apply risk management approaches and frameworks for technical de-risking, drawing lessons from successful industry projects and role models to support informed decision-making.*

13:10 H – 13:45 H **The Portfolio of SAF Production Pathways: technology maturity, relevant players and projects.**
Dr. Fabian Schmitt – SAF Experts EASA

13:45 H – 14:05 H **Best Practice of Asset-heavy Project Development and Execution for Novel Technology and Production Concepts**
Mr. Christoph Behrendt-Rieken – SAF Experts EASA

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14:05 H – 15:05 H

Case Study / Simulation exercise 3: Technology landscape – from early stage to commercially mature

Key expert onsite & Training participants

15:05 H – 15:20 H

COFFEE BREAK

Section 5: Stakeholder exchange between airlines and airport experts in the room

Building a cohesive ecosystem with the purpose of:

- 1. Creating synergies: Collaboration between airlines and airports helps streamline SAF logistics, from production to deployment, ensuring a seamless integration of SAF into operations.*
- 2. Driving demand and investment: Coordinated efforts amplify demand signals, encouraging producers to scale up SAF availability while attracting investments in production and logistics infrastructure.*
- 3. Overcoming barriers: Stakeholders can jointly identify and address technical, commercial, and regulatory challenges, fostering a supportive environment for SAF adoption and development.*
- 4. Establishing best practices: Sharing insights and successful case studies helps develop standardized approaches, making SAF integration more effective and cost-efficient.*
- 5. Strengthening advocacy: Unified voices from key industry players enhance the influence on policymakers and regulators to enact supportive policies and incentives for SAF growth.*

15:20 H – 16:10 H

Key local stakeholder discussion with participants: the role of airlines

Interactive input gathering from the audience on challenges, current situation, opinions, etc.

16:10 H – 17:00 H

Key local stakeholder discussion with participants: the role of airports

Lightning talk on the Green Transformation of Airports: Arnaud Brolly – EC-Impact (online)

Interactive input gathering from the audience on challenges, current situation, opinions, etc.

17:00 H – 17:30 H

SAF QUIZ to find the SAF Champion & Wrap-up Day 2



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DAY 03 – 25.04.2025: SAF Direct Supply Line enablers and supporting functions

TIME ARUSHA LOCAL TIME	TITLE, SPEAKER
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Section 6: Business Case and Offtake

Learning Objectives

1. Build and optimize SAF business cases and financing structures: Develop and refine comprehensive SAF business cases by applying key parameters, conducting sensitivity analyses, and addressing bankability and investability challenges. Use insights from financial modelling and real-world case studies to create viable, long-term investment strategies and financing structures, including all relevant financing sources.
2. Conduct techno-economic analyses for SAF projects: Apply best practices to perform detailed techno-economic analyses, accurately estimating local SAF production costs. Evaluate CAPEX and OPEX factors across SAF technologies and production scales to assess project feasibility and identify cost optimization opportunities.
3. Secure SAF supply through strategic engagement: Design and implement effective strategies for airlines and airports to secure SAF volumes. This includes negotiating offtake agreements, forming partnerships, and leveraging public and private sector funding options. Identify and mitigate financial and technical risks to ensure reliable and scalable SAF adoption.

08:30 H – 09:00 H	REGISTRATION
09:00 H – 10:00 H	Economic Principle and Perspectives on SAF Implementation Ms. Raphaela Spielberg – SAF Experts EASA Mr. Nipun Jagtap – SAF Experts EASA
10:00 H – 11:00 H	Case Study / Simulation exercise 4: Techno-economic Analysis Interactive Simulation and best practice exchange Dr. Fabian Schmitt – SAF Experts EASA Ms. Esther Hegel - RSB (online)



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11:00 H – 11:50 H

Book & Claim: Fundamentals & the outlook on market effects and opportunities for airlines and airports

Gill Aker - RSB (online)

Section 7: SAF Financing

12:10 H – 12:40 H

Project financing for SAF: challenges for bankability and potential solutions

Ms. Raphaela Spielberg – SAF Experts

Mr. Christoph Behrendt-Rieken – SAF Experts

12:40 H – 14:00 H

LUNCH BREAK

14:00 H – 14:45 H

Case Study / Simulation exercise 5: Offtake agreement fundamentals and financing mechanisms for airlines to access SAF volumes.

Key expert onsite & Training participants

14:45 H – 15:00 H

SAF QUIZ to find the SAF Champion

Section 8: Policies and Stakeholder engagement

Learning objectives:

- 1. Leverage policy frameworks to stimulate SAF markets: Analyse the impact of national and international policies and frameworks on SAF supply and demand. Develop strategies to address financing challenges and attract sustainable investments through targeted regulatory actions that drive market growth.*
 - 2. Design and implement National SAF Roadmaps: Create actionable national SAF roadmaps by structuring key components, engaging stakeholders, and aligning with regional needs. Apply insights from successful examples to foster the development of a robust regional SAF value chain.*
 - 3. Apply best practices in policy development and evaluation: Utilize the "Better Regulation" process, including conducting impact assessments, facilitating stakeholder consultations, and implementing monitoring mechanisms. Develop adaptive, evidence-based policies that effectively support SAF adoption and align with long-term sustainability objectives.*
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15:00 H – 15:25 H

Global SAF policies: Rationale, status and challenges

Mr. Nipun Jagtap – SAF Experts EASA

Dr. Fabian Schmitt – SAF Experts EASA

15:25 H – 15:45 H

Stakeholder Collaboration for a SAF Roadmaps

Mr. Christoph Behrendt-Rieken – SAF Experts EASA

Expert Contribution by Sabrina Jensen - Copenhagen Airport (online)

15:45 H – 17:30 H

Wrap-up and Closing of the Training
