

**RSB**<sup>®</sup>

Roundtable on  
Sustainable Biomaterials

[www.rsb.org](http://www.rsb.org)

**Session 7: Sustainability of SAF**  
RSB - Sustainability Certification and  
Claiming the Environmental Benefits of SAF

CAAFI 2023 Virtual Conference | 15 June 2023

## The world we are trying to create

A collaborative network that works to accelerate the transformation to a sustainable and circular bioeconomy



where climate change has been mitigated  
biodiverse ecosystems have been restored  
and livelihoods have been enhanced



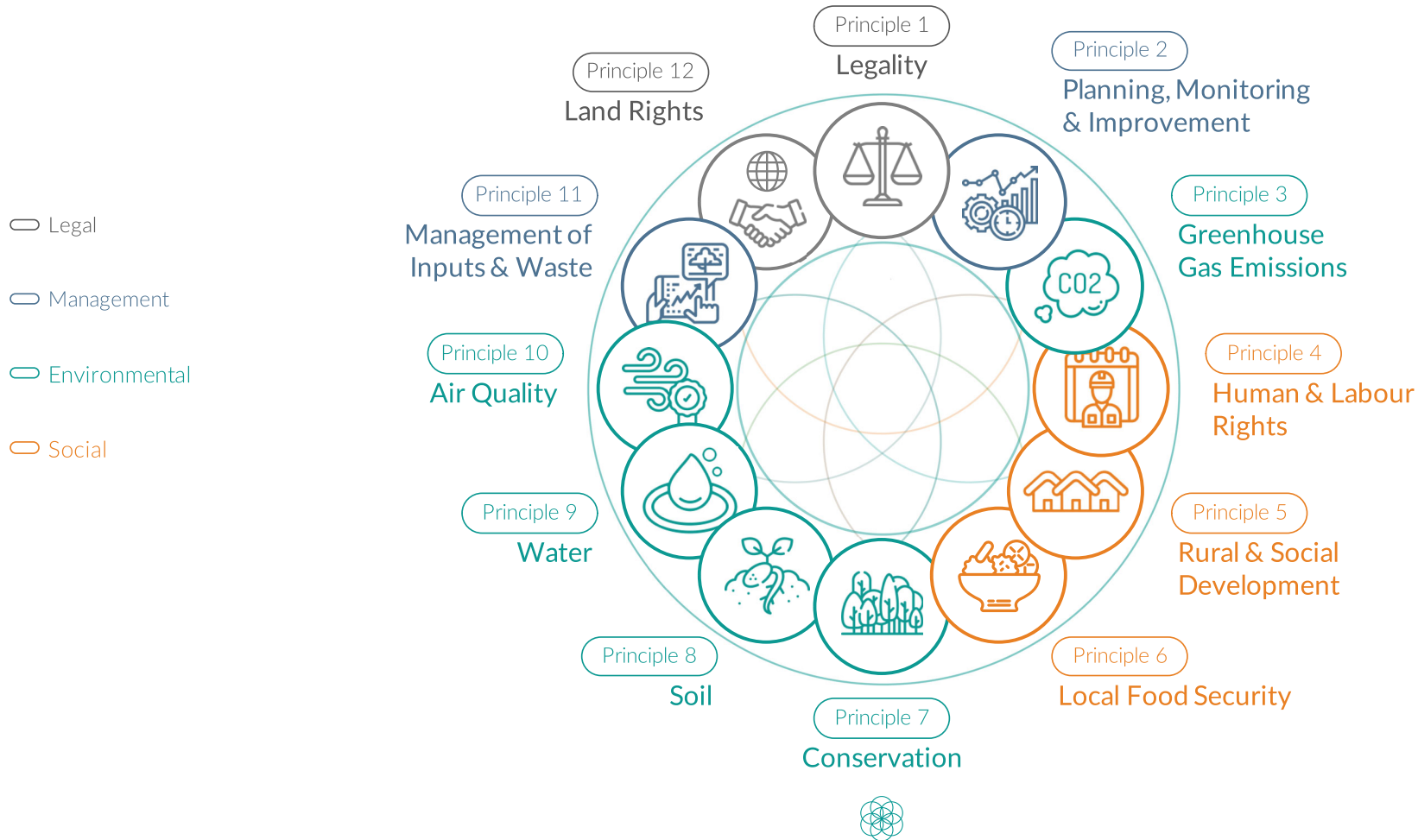


Our global membership is highly diverse  
 A wide range of organisations across supply chains, regions and industries



## PRINCIPLES & CRITERIA

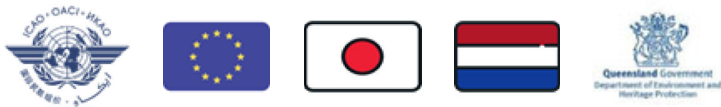
# Holistic approach supporting our ambition to create positive impact



## INDEPENDENT ASSESSMENT

# Government recognition and 3<sup>rd</sup> party endorsements

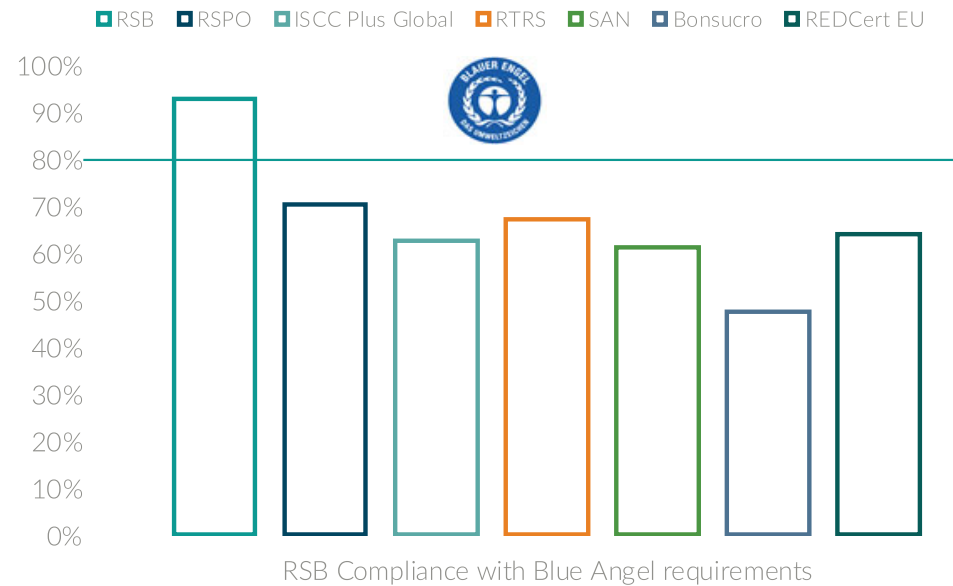
RSB is rated as a best-in-class standard



Government recognition



3<sup>rd</sup> party endorsements



Source: Blue Angel, Germany

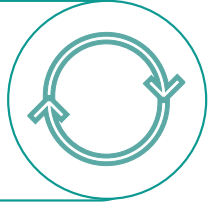


## Certification scope

**Biogenic feedstock**  
Crops, bio-based wastes & residues



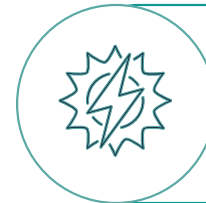
**Non-Biogenic feedstock**  
Recycled carbon, Green H2 / NH3



**Sustainable fuels**



**Bio-based and circular materials**



**Bioenergy**

Sustainability advice, partnerships and certification along the entire supply chain



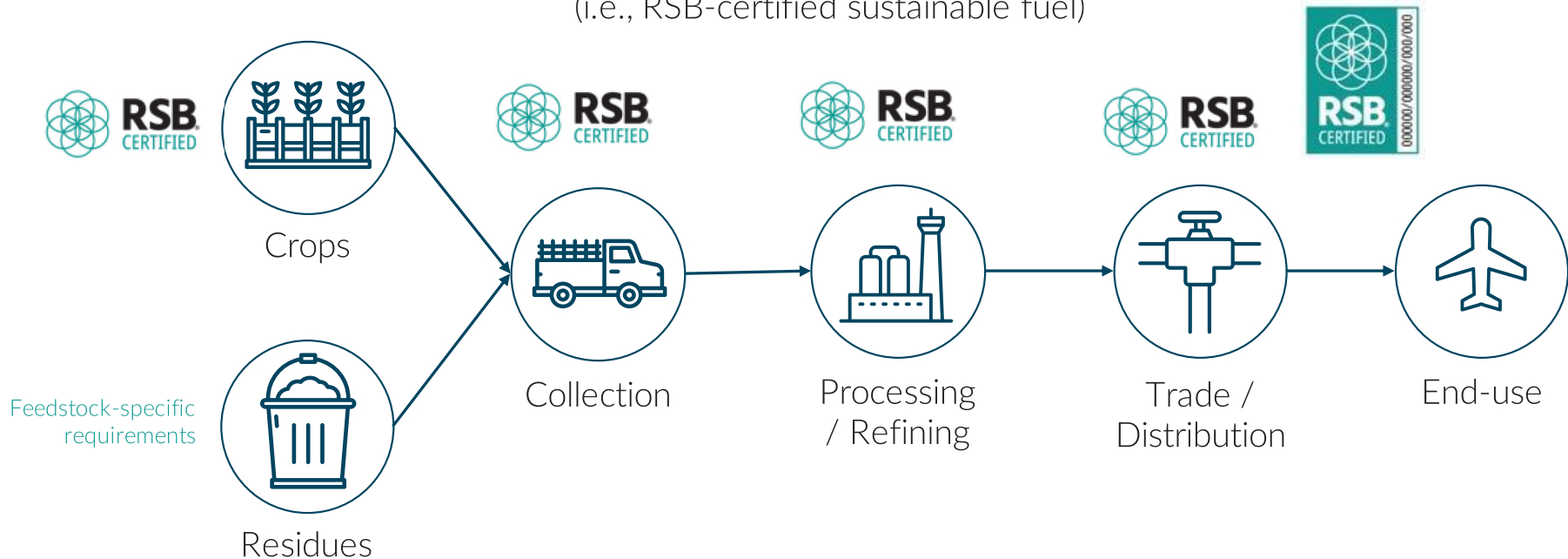
## RSB Certification schemes

|                             | <u>RSB Global</u>           | <u>RSB EU RED</u>                     | <u>RSB CORSIA</u>                          |
|-----------------------------|-----------------------------|---------------------------------------|--|
| Sustainability requirements | RSB Principles and Criteria |                                       |  |
| Type of claim               | Voluntary                   | Regulatory / linked to EU RED targets | Regulatory / linked to ICAO CORSIA targets |
| Product scope               | Energy/Fuels and materials  | Renewable fuels and energy            | <b>Sustainable Aviation Fuels</b>          |



## Who needs to be certified

The entire supply chain must be certified for the final product to carry the RSB claim (i.e., RSB-certified sustainable fuel)



RSB accepts material certified against other CORSIA-recognised Sustainability Certification Systems as “ICAO CORSIA compliant”



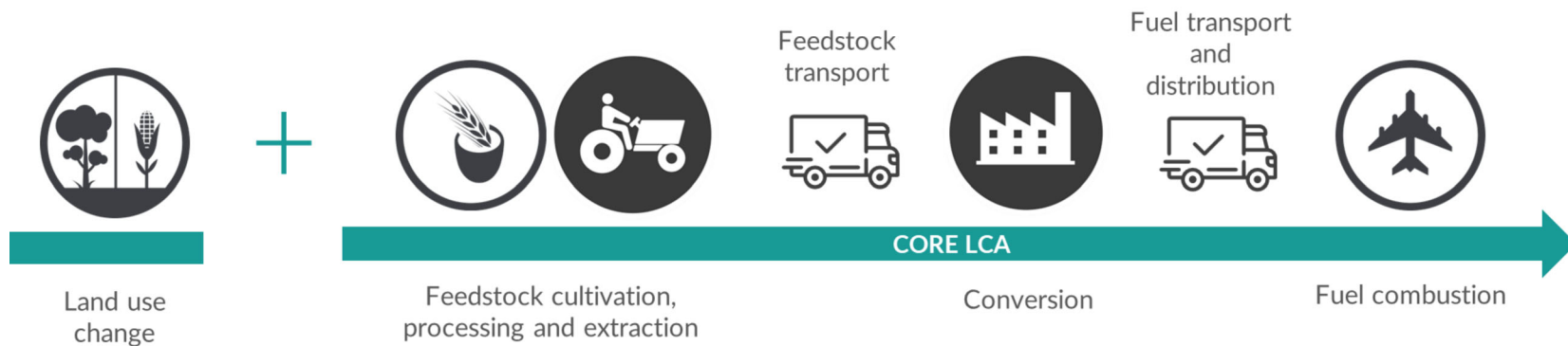




# RSB's Greenhouse Gas Life Cycle Assessment



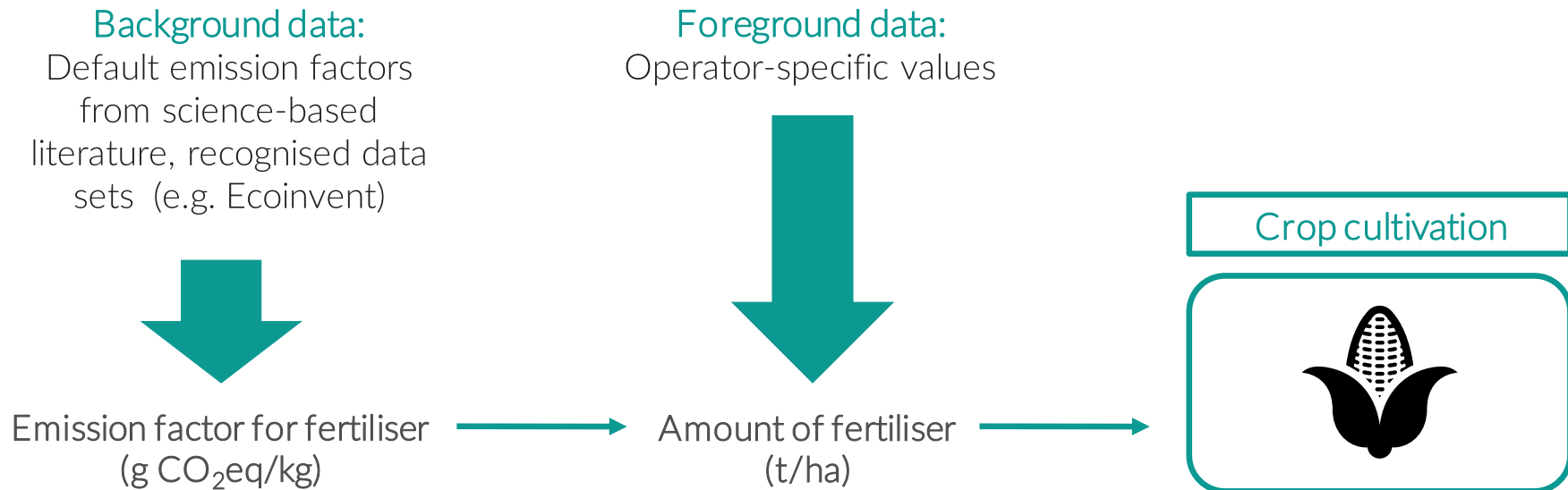
## GHG Emissions and System Boundaries



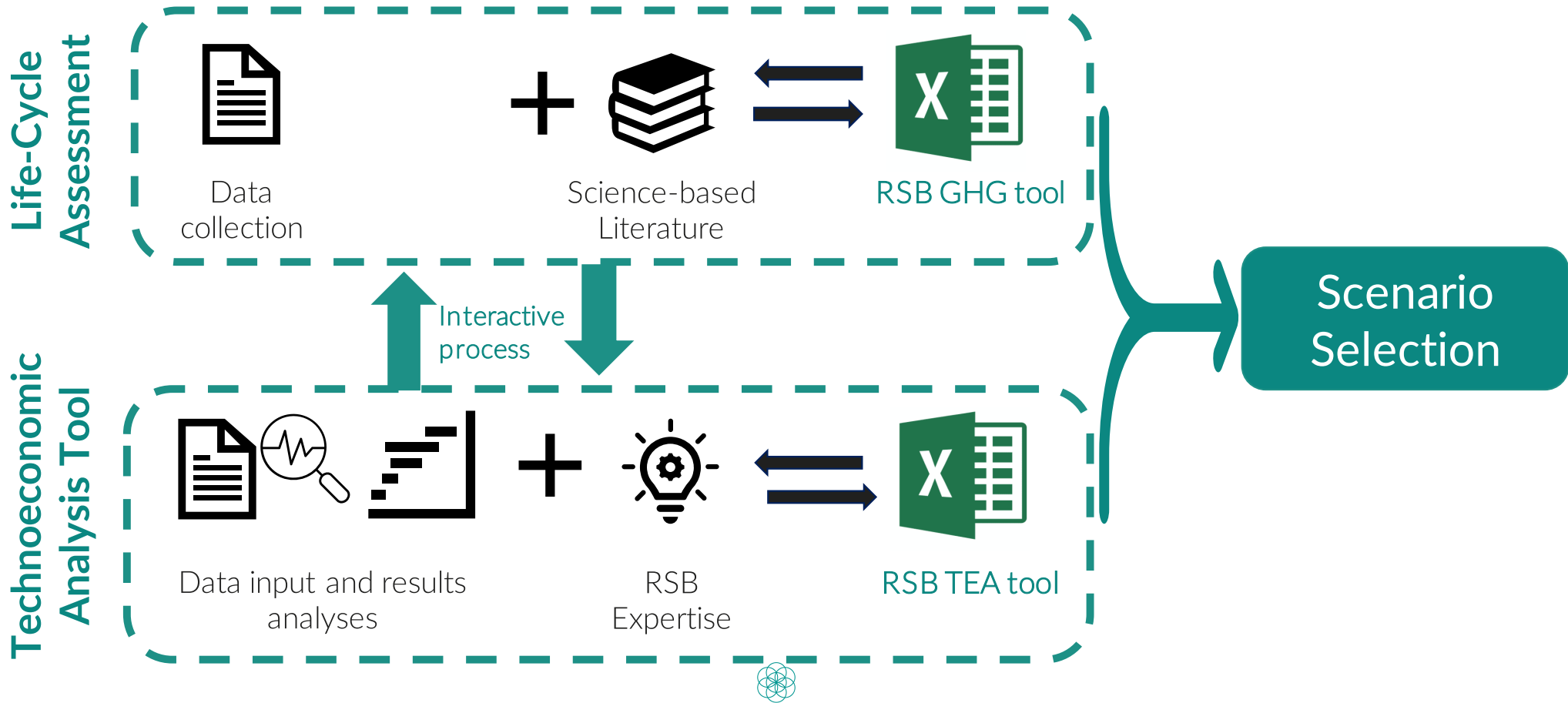
- ✓ **Core LCA** value can be determined either on the basis of default values or calculated actual LCA values.
- ✓ **ILUC** value must be determined on the basis of default values.
- ✓ **DLUC** value must be determined on the basis of context specifics, in line with the RSB methodology for land use changes.



## GHG Calculation Methodology & Data



## The combined impact of RSB'S tools





# RSB's Landscape-Level Programmes



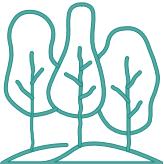
# What are the outcomes?



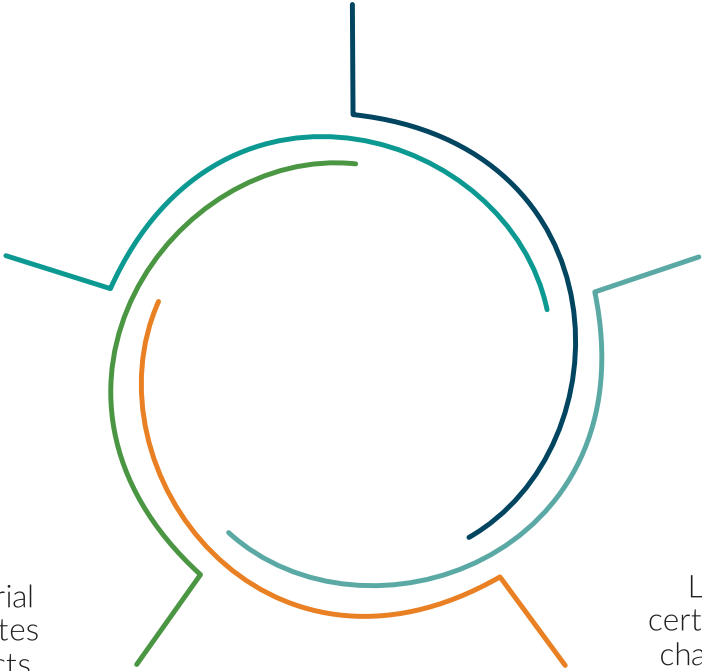
Engagement of key regional stakeholders in relevant sourcing regions



Capacity building and long-term use of project results



Development of new material and fuel supply chains creates positive sustainability impacts across landscapes



SAF investment decisions based on long-term sustainable feedstock availability



Long-term sustainability certification for SAF supply chains made possible with more emphasis on feedstock selection



## Questions and discussion

