

# International perspective throughout the supply chain: **focus on Sustainability**

First Mexican Bio Jet Fuel Congress, 2-3 September 2018

Rolf Hogan, Executive Director  
Roundtable on Sustainable Biomaterials

# RSB – Roundtable on Sustainable Biomaterials



Trusted global standard -- credible tools and solutions.



Mitigates business & reputational risk.



Enables protection of ecosystems & promotion of food security.



Contributes to UN Sustainable Development goals.



A global community for innovation & collaboration

# MEMBERS

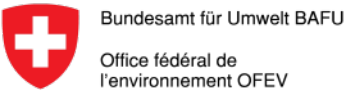
## At a glance



NESTE OIL



AIRBUS



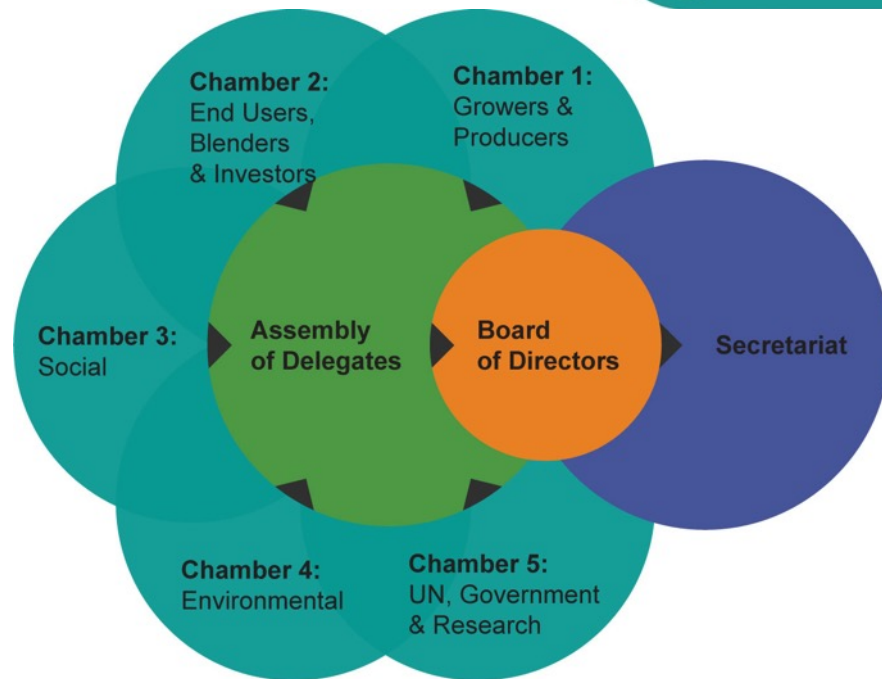
# RSB – SAFUG Members



# MEMBER GOVERNANCE



83	Members
32	Countries
5	Chambers
15	Chamber Delegates



# THE 12 RSB PRINCIPLES

## Overview



					
<b>Principle 1</b> Legality	<b>Principle 2</b> Planning, Monitoring & Continuous Improvement	<b>Principle 3</b> Greenhouse Gas Emissions	<b>Principle 4</b> Human & Labour Rights	<b>Principle 5</b> Rural and Social Development	<b>Principle 6</b> Local Food Security
					
<b>Principle 7</b> Conservation	<b>Principle 8</b> Soil	<b>Principle 9</b> Water	<b>Principle 10</b> Air Quality	<b>Principle 11</b> Use of Technology, Inputs & Management of Waste	<b>Principle 12</b> Land Rights



# SUPPORTING DELIVERY ON SDGs



- 1. No Poverty
- 2. Zero Hunger

## RSB Principle

Rural & Social Development  
Food security



- 3. Good Health
- 4. Quality Education
- 5. Gender Equality
- 10. Reducing Inequalities

## RSB Principle

Human and Labour rights Rural  
& Social Development  
Air quality/ No forced labour



- 13. Climate Change Action
- 14. Life Below Water
- 15. Life on Land

## RSB Principle

GHG Emissions  
Water  
Conservation  
Soil  
Land rights

# FEEDSTOCK & PRODUCTS

1 Biofuels

2 Biomass

3 Plastics

4 Feed

5 Lubricants

6 Cleaning Products

7 Pharmaceuticals

8 Cosmetics

9 Flavours & Fragrances

## Feedstock



## Bioproducts

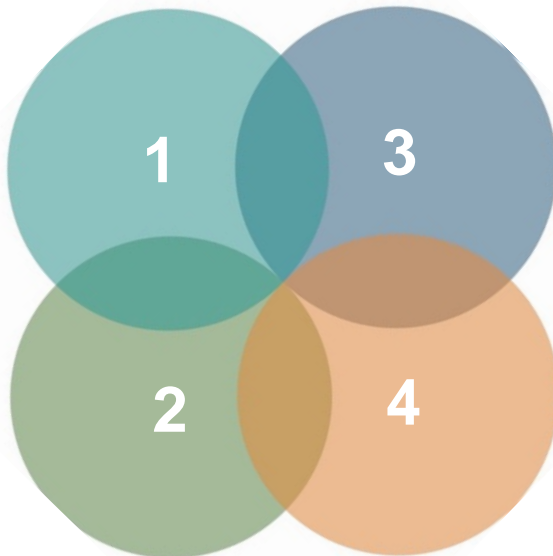




# ENSURING CREDIBILITY



**Ensuring Stakeholder Involvement** in Standard-Setting & Assurance



**Compliance with ISEAL Codes of Good Practice:** Assurance, Standard-Setting, Impact Monitoring

**Oversight Mechanisms:** Third-Party Certification, Independent Accreditation Body

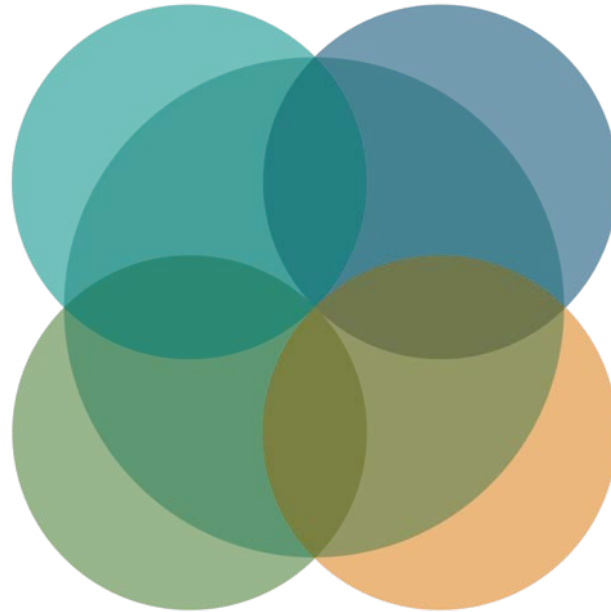
**Independent Benchmarks** rank RSB as the Best Performing Sustainability Standard

# RSB ACTIVITIES & SERVICES



**1** Membership

**2** Certification



**3** Advisory Services

**4** Partnerships

# PARTNERSHIPS

## Supply Chains

Technical advice, capacity building, pilot projects:  
*Brazil, EU, Mexico, South Africa*

## Regional indicators

Benchmarking RSB against regulations:  
*USA, Queensland, South Africa, Ethiopia*

## Policy and technical

Technical advice to policy makers; developing new tools:  
*ICAO, China, Blockchain, Smallholder standard*



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra



# JOIN US

## RSB's Annual Meeting



**BUILDING THE SUSTAINABLE BIOECONOMY TOGETHER**

RSB'S ANNUAL MEETING

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*6-7 December 2018*  
*Berlin, Germany*

# SUSTAINABILTY IN 2018

# DEVELOPMENTS

1 Growth in interest

2 Non-fuel sectors

3 Wastes and residues

4 Low iLUC

5 Non-bio wastes

6 Displacement effects

7 Integration in planning





# Growing interest in sustainability



Interest in RSB services:

- Certification
- New members
- Advisory services



# Non-fuel sectors

Growing interest in bio-based products

Cosmetics

Bioplastics & packaging

Textiles

Biochemicals

# RSB Standard for low indirect land use change (iLUC)



**RSB**

Roundtable on  
Sustainable Biomaterials  
[www.rsb.org](http://www.rsb.org)

RSB developed a set of criteria and compliance indicators for certified operators willing to demonstrate that their operations have a low iLUC risk, i.e. are unlikely to cause any displacement of an equivalent biomass production to another location.



**UPM Biofuels gains the world's first RSB low indirect land use change (iLUC) risk certification for its feedstocks**



# ADVANCED FUELS & PRODUCTS

- 1 CO2 and precursors contained in flue gas
- 2 Waste plastics
- 3 End-of-life tyres
- 4 Non-biogenic fraction of municipal solid waste
- 5 Hydrogen
- 6 Synthesis gas
- 7 Synthetic liquid fuels

## Feedstock



## Advanced products



# RSB STANDARD DEVELOPMENT

Leadership in the global bioeconomy



**Standard for Advanced  
Fuels**

**Displacement Effects**

**Standard for Bio-based  
and Advanced Products**

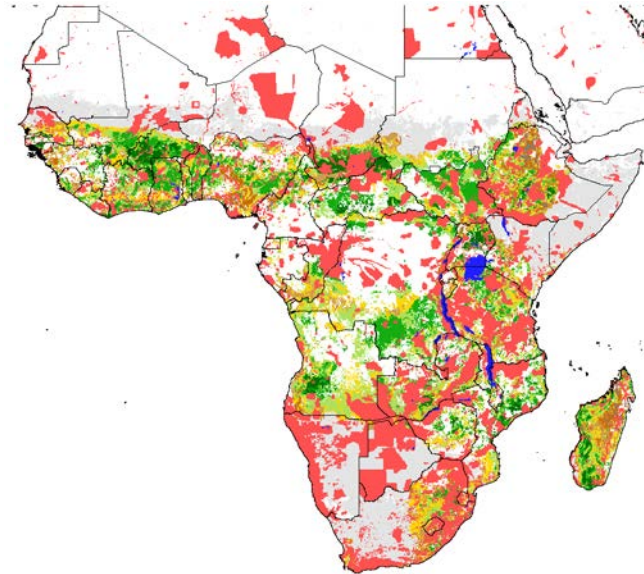
24 September 2018

@RSB\_ORG

# Integration of sustainability into planning



- Developers interested in investment
- Review of potential feedstocks
- Gap analysis & benchmarking with standards and legislation
- Communication of sustainability benefits





# THANK YOU!

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