Through RSB’s best practice for water and soil management and the protection of biodiversity, the bioeconomy can deliver a cleaner and healthier planet.

THE IMPORTANCE OF THE BIOECONOMY

As the world is changing and new markets are opening for non-fossil fuel based products, we see emerging economies with high potential for agricultural production, focusing on biotech as a key growth sector.

RSB certification provides numerous benefits to any manufacturing organisation. The strength of RSB for Franklin Baker is that not only does it recognise sustainability and ethical practices, but also covers areas of global concern such as labour rights, rural development, conservation and the environment.

Jerry Lorenzo, President & CEO, Franklin Baker
The RSB supports the development of a sustainable bioeconomy

Based on its world-class Standard, the RSB’s certification verifies that biomaterials, biofuels and biomass are socially responsible, environmentally sustainable and credibly sourced.

Its members are part of a worldwide movement of businesses, NGOs, academics, government and UN organisations and today we are proud to include Airbus, Boeing, FAO, Shell, South African Airways, UNEP, UNCTAD, IUCN and WWF among our membership.

The RSB has certified sustainable production in all regions of the world and has influenced global and national policy. We are engaged in public-private partnership projects in Brazil, Mexico, South Africa, and the USA to proactively promote sustainable economic development.

The RSB’s Members are part of a worldwide movement of business, NGOs, academics, governmental & UN organisations.

Global biofuels market was valued at $168.18 billion in 2016 and is projected to reach $246.52 billion by 2024

Source: Transparency Market Research

Global bioplastics market to grow at 29.3% annually from 2016 to 2020

Source: Sandler Research

Click here to see our current members
Biofuels derived from biomass can reduce the carbon footprint of aviation fuel by up to 80% over their full lifecycle.

Biofuel production is expanding dramatically.

With global textile consumption expected to treble between 2017 and 2050, existing technologies must be replaced with more sustainable alternatives in order to reach climate goals - and biotextiles can revolutionise the industry.

By replacing current materials with sustainable biomaterials - such as wood-based cellulose fibres - a sustainable textiles industry is achievable.

Aviation

Global Targets to Reduce Aviation Emissions

Biofuel production is expanding dramatically.

Textiles

The Bioeconomy is Changing the Textiles Industry

The demand for aviation fuels is expected to increase by approximately 1.5-3% per year.

Source: International Air Transport Association
Some sustainable biofuels can support climate change mitigation due to their significantly reduced life-cycle Greenhouse Gas emissions compared to traditional fossil fuels.

RSB’s approach helps to ensure that the global bioeconomy protects marginalised workers from modern slavery and other illegal work practices.

Incorporating RSB principals ensures that biomass and bio-derived products can be produced without causing deforestation and can help promote reforestation of degraded areas.

Worldwide, innovative companies are applying the principals of the Roundtable on Sustainable Biomaterials in order to improve governance and legal compliance.

Improved food security and a flourishing bioeconomy can go hand in hand. The responsible development of feedstock production - as required by RSB's best-in-class certification - can prevent the displacement of food production and, where producers are required to adhere to rigorous certification, can even increase food security.

Through RSB’s best practice for water and soil management and the protection of biodiversity, the bioeconomy can deliver a cleaner and healthier planet.

A blooming, sustainable bioeconomy will boost jobs across sectors and through the supply chain. By respecting labour and human rights, and supporting local communities to develop the bioeconomy can drive a just and equitable future for all.

The rapid growth of the bioeconomy is being driven by global demand for economically, socially and environmentally sustainable products and fuels.

In turn, it is driving the transformation of our world in multiple spheres. By partnering with the RSB, you can showcase your commitment to the following issues:

**1. SIGNIFICANT GHG EMISSION REDUCTIONS**

Some sustainable biofuels can support climate change mitigation due to their significantly reduced life-cycle Greenhouse Gas emissions compared to traditional fossil fuels.

**2. RESPECT FOR HUMAN RIGHTS, LAND RIGHTS & LABOUR RIGHTS**

Human, land and labour rights are at the heart of a sustainable bioeconomy and RSB’s principals ensure that these rights are respected and advanced across the supply chain.

**3. ELIMINATION OF MODERN SLAVERY**

RSB’s approach helps to ensure that the global bioeconomy protects marginalised workers from modern slavery and other illegal work practices.

**4. CONSERVATION OF BIODIVERSITY, AND ENHANCEMENT OF WATER AND SOIL/AIR QUALITY**

Through RSB’s best practice for water and soil management and the protection of biodiversity, the bioeconomy can deliver a cleaner and healthier planet.

**5. GLOBAL FOOD SECURITY**

Improved food security and a flourishing bioeconomy can go hand in hand. The responsible development of feedstock production - as required by RSB's best-in-class certification - can prevent the displacement of food production and, where producers are required to adhere to rigorous certification, can even increase food security.

**6. CREATING JOBS AND ECONOMIC OPPORTUNITY VIA RURAL AND SOCIAL DEVELOPMENT**

A blooming, sustainable bioeconomy will boost jobs across sectors and through the supply chain. By respecting labour and human rights, and supporting local communities to develop the bioeconomy can drive a just and equitable future for all.

**7. ZERO DEFORESTATION**

Incorporating RSB principals ensures that biomass and bio-derived products can be produced without causing deforestation and can help promote reforestation of degraded areas.

**8. SUPPORT OF BEST PRACTICE USE OF TECHNOLOGY & INNOVATION**

The bioeconomy is evolving rapidly and is both driven by, and driving, innovation and technological enhancements that will improve our world. RSB members and partners are driving best practice and ensuring the application of sustainability principals to support this advancement.

**9. LEGAL COMPLIANCE**

Worldwide, innovative companies are applying the principals of the Roundtable on Sustainable Biomaterials in order to improve governance and legal compliance.
The avoided GHG emissions through RSB certified operators correspond to emissions of 62,000 cars.

At Agrisoma we are developing carinata as a crop solution for the global renewable fuels industry. Our work with RSB has been critical to documenting and certifying our supply chains to the highest standard of sustainability. RSB has fostered an incredible dialogue with the renewable fuels industry, from regulators through to customers, and we benefit from that interaction in having our crops certified by RSB.

Mejda Lortie, Agrisoma
HOW THE RSB CAN HELP YOU

ACHIEVE YOUR ORGANISATION’S GOALS

The RSB’s best in class certification standard and a range of business tools that enable organisations to identify and manage sustainability issues that cover the entire supply chain and reduce risk for operators, brand owners and investors.

GROWING TOGETHER

The RSB works with its partners to support & grow a sustainable bioeconomy.

SUPPLY CHAIN

The RSB promotes actions that enhance sustainability quality and quantity of biomaterials in supply chains by creating robust frameworks to mitigate risk and improve value from procurement, grounded in engagement with all stakeholders through innovative tools and solutions.

CAPACITY BUILDING

By providing the guidance to co-create solutions and offering technical support to apply best practice the RSB enables and supports ‘fit for purpose’ frameworks and indicators that are bespoke to local circumstances and conditions.

ADVISORY

The RSB co-creates solutions for specific issues through its innovative advisory services - combining multi-stakeholder dialogues, sector exchange with technical support to integrate sustainability principles. The RSB can develop solution orientated projects, policy support and guide innovation in the bioeconomy.

BIOFUELS

The RSB has significant support from the aviation industry including SAFUG and 28 airlines that are committed to using RSB certified fuel. With no viable alternatives, biofuels remain a key component of the aviation industry’s strategy to reduce emissions. Aviation biofuel is at an early stage of development but demand is rapidly growing. Around the world the RSB standard has been used to identify potential sources of sustainable biojet fuel and RSB is engaged with aviation biofuel initiatives in Brazil, Mexico, USA, Europe, the Middle-East and South Africa.

PLASTICS & CHEMICALS

Key players in the plastics and chemicals industries are looking to the RSB to guide them on sustainable pathways for sourcing biomass and the production of bioplastics and a range of bio-chemicals. Its sustainability principles can be applied to any agricultural crop, or waste feedstock as well as any industrial product pathway.

FOR FOUNDATIONS/ CORPORATE PHILANTHROPY

Investors have used the RSB’s tools to help identify risks in their projects. The Inter-American Development Bank developed a scorecard based on the RSB standard to assess initiatives, and many investors have used the principles and criteria to screen high-risk projects in developing countries where food security and poverty alleviation have been priorities.

TEXTILES

Global brands commit to implementing RSB in their supply chains to ensure zero deforestation, elimination of slavery, global food security, and GHG reductions. Global brands can use marketing campaigns to generate awareness and demand for a sustainable bioeconomy.
By 2030, the RSB will have supported the emergence of a new world bioeconomy founded on social, economic and environmental considerations that contribute to the UN Sustainable Development Goals - reducing climate impacts, enhancing food security and rural development, and protecting ecosystems.

The Roundtable on Sustainable Biomaterials (RSB) is an international, multi-stakeholder independent organisation that supports the development of the global bioeconomy through sustainability solutions, certification, innovation and collaborative partnerships.

By working with RSB you will help shape the future of the world bio-economy - and prove your commitment to a healthier world.

We Build Bridges for a Sustainable Future

The RSB is a well-informed and constructive group of experts and a valued partner in the World Business Council for Sustainable Development Project around low carbon fuels (www.below50.org), co-led by DSM. The team of experts at RSB also delivered a very useful and brief report on sustainable use of biomass for a specific project. Within a short timeframe they provided us with clear and useful insights.

Paulette van Ommen, Global Climate Lead, DSM