



# SUSTAINABLE LOW CARBON FUEL

## Certification, Verification & Validation



### International Sustainability and Carbon Certification for EU RED (ISCC EU)

Demonstrate your compliance with the European Renewable Energy Directive (2009/28/EC EU RED) for sustainable biomass and bioenergy production under the ISCC certification program. SCS is a leader in ISCC certification, ensuring that your products meet social, environmental and traceability criteria and carbon emissions reduction requirements. Suitable for all feedstocks, including wastes & residues, palm oil, sugarcane, and other feedstocks.



### Roundtable on Sustainable Biomaterials for EU RED (RSB EU)

The RSB standard recognizes biomass and biofuel producers and processors who meet the highest level of social responsibility and environmental stewardship criteria, while also demonstrating compliance with the European Renewable Energy Directive (2009/28/EC EU RED) for sustainable biomass and bioenergy production. SCS is the only fully accredited certifier to perform RSB assessments. Suitable for all feedstocks, including wastes & residues, palm oil, sugarcane, and other feedstocks.



### California Low Carbon Fuel Standard (LCFS)

SCS can ensure that you comply with the California Low Carbon Fuel Standard (LCFS), which requires companies to verify the “carbon intensity” (CI) of transportation fuels sold into the California market. This program aims to encourage lower-carbon fuels to combat climate change. We support companies to submit pathway applications using GREET 3.0 (Tier 1 and Tier 2), and are approved by the California Air Resources Board to conduct pathway validation and verification services.



### RenovaBio

Modeled after the LCFS program in California, RenovaBio is a low-carbon emissions program for the Brazilian transportation sector designed to incentivize low carbon fuels sold in the Brazilian market. Low carbon fuels producers can generate and trade CBio credits in the market, with lower carbon fuels generating more CBios. Similar to the LCFS program, RenovaBio requires annual verification of carbon emissions. We work with a local partner based in Brazil to offer complete registration and verification services under the RenovaBio program. All biofuels sold into the Brazilian market require RenovaBio certification.





### **Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)**

Aviation accounts for approximately 2% of global GHG emissions. The sector has committed to Carbon Neutral Growth from 2020, and to reduce total CO<sub>2</sub> emissions by 50% by 2050 compared to current levels. CORSIA is a carbon reduction scheme for the aviation sector established and managed by the UN Civil Aviation Authority to meet these ambitious targets. Most airlines operating international flights are subject to annual verification of GHG emissions under CORSIA. CORSIA is part of SCS' ANSI/ANAB-accredited 14064-3 GHG verification program.



### **Colombia Fuel Ethanol GHG Program (Resolution 1962)**

The Fuel Ethanol Program is part of a bundle of measures implemented by the Republic of Colombia to meet their ambitious Paris accord commitments. Having entered into force in 2017, Resolution 1962 requires that all ethanol sold in Colombia meet minimum GHG reduction threshold requirements which become increasingly strict year after year. Carbon footprint verification for all fuel ethanol sold into the country following the ISO 14064-3 protocol is required on an annual basis.



### **National Italian Scheme (NIS)**

Under the EU Renewable Energy Directive member-states are permitted to establish their own unique national biofuel sustainability schemes, allowing for fuels at low risk of indirect land use change (iLUC) to double count towards EU RED national renewable targets. SCS can issue the Italian Declaration of Conformance in conjunction with certification to an approved RED scheme (ISCC EU, RSB EU) certification, allowing biofuel companies to access this important and valuable market.

**For more information contact:**

**Brent Riffel** *Manager, Low Carbon Fuels*  
+1.510.928.0548 direct  
briffel@scsglobalservices.com

