



8th Biocomposites Conference Cologne

International Sustainability and Carbon Certification (ISCC) – Abstract

ISCC is a globally leading certification system covering all kinds of biobased feedstocks as agricultural crops, waste and residue feedstocks as well as their derivatives and renewables. Independent third-party certification ensures compliance with high ecological and social sustainability requirements, greenhouse gas emissions savings and traceability throughout the supply chain. ISCC can be applied in various markets and it is well established in the chemical and bioplastics branches. Since its start of operation in 2010, about 23,000 certificates in more than 100 countries have been issued.

Under ISCC all elements along the supply chain from agriculture or the point of origin of the raw material up to the end user of the final product have to be covered. Today, many companies active in the area of industrial applications as polymers and fibers have chosen ISCC certification to show compliance with the sustainability requirements of their products. These certified products are applied for a variety of market applications as for instance cups and coatings in the packaging industry or shopping bags in the retail sector.

ISCC was developed through an open multi-stakeholder process involving around 250 international associations, corporations, research institutions and NGOs from Europe, the Americas and South East Asia and is governed today by the ISCC Association that counts 125 members from three different stakeholder groups (Biomass producers & Processors, Trade, Logistics & Other and NGOs and Public Sector) . ISCC has also been selected as a system of choice by a variety of initiatives from different market segments (e.g. the eco label “Der Blaue Engel” for bioplastic granulate for writing implements and stamps, INRO, the Dutch Green Deal for sustainable biomass in chemical products and plastics, and the 2025 Sustainable Cotton Challenge from Textile Exchange). Through regular worldwide regional and technical stakeholder meetings, a continuous stakeholder dialogue is established that guarantees the credible development of the certification standard. With its requirements ISCC is contributing towards the achievement of the United Nations Sustainable Development Goals (SDGs) and the implementation of the goals of Paris COP21.

The presentation will show how the ISCC Sustainability Standards works in practice and how it can be specifically applied to biocomposites. Furthermore, examples of certified companies will be given.