

Abstract:

Sustainable Supply Chains and Certification 4.0 - Core Building Block for Bio-Based Materials

There is an increasing market trend towards reducing the carbon footprint and to contribute to Paris COP21 and Marrakesh COP22. More and more companies that are processing bio feedstock request proof that the supply chains are sustainable and deforestation free. However the sourcing of feedstock often originates from areas rich in biodiversity and carbon stock and is connected to deforestation and non-sustainable practices. Sustainability certification can be an efficient tool to verify the sustainability of bio-based products. One core asset of a voluntary scheme is its credibility. Voluntary schemes have to ensure the integrity of the entire program and have to invest in a continuous improvement and development of new tools to ensure reliable results in cost-efficient processes.

ISCC - International Sustainability and Carbon Certification is a solution provider for sustainable and deforestation free supply chains. It is a globally leading certification system covering the entire supply chain and all kinds of bio-based feedstocks 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 including the chemical, food, feed and bioenergy market. Since its start of operation in 2010, over 13,000 certificates in more than 100 countries have been issued.

Examples of ISCC's approach and innovative solutions to verify deforestation free supply chains and to achieve tangible impact and credibility will be presented.