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## BLOCKCHAIN BIOFUEL APPLICATION

### Jan Clement

Geo Jan Sustainable Environmental Solutions, Nethrelands

**B**iofuels are essential in our future energy supply. Various sources and origin of biomass have a very different environmental impact. How can blockchain secure and safeguard origin throughout the whole supply chain?

Some factors have a negative influence on what could otherwise have been a positive product; using wood from sources with high natural value. Non-traceable origin has a negative impact in itself. Long distance transport can also change the situation. Production forests that are not managed sustainably leads to negative effects like loss of soil fertility, erosion and diminishing availability of food crops locally. Blockchain when done well can improve several of these factors by introducing transparency, traceability and trust for all stakeholders in supply chains. Local sources that are marked and visible on the blockchain are preferable: The process can be followed exactly, and proves the source is trustworthy and meets sustainability and other criteria. It is essential to map sources of wood that are available for future use. These then will be visible on the ledger of the blockchain and can be followed over time. This give management information, planning tools and transparency for stakeholders and public alike. In Holland, the Government is going to plant 100,000 hectares of forest for biomass. A perfect opportunity to apply the proposed system. Everyone can see the forests grow and be certain of sustainable management and future consumption.

### Biography

Jan Clement. Owner of Geo Jan Sustainable Environmental Solutions. Trustee of EnergyCoin Foundation. We developed EnergyParty; a robust decentralised platform for asset management which sits on top of the EnergyCoin Blockchain. This can facilitate all digital and social aspects of the energy transition. We provide the sustainable energy sector innovative solutions so we can build a future for humanity together using less fossil fuel and providing healthy local circular economies where our EnergyParty is the engine for exchange of locally produced energy and more! We provide asset management for business and prosumers that are connected or not connected to the electric grid. Making the electric grid smarter and greener with smart contracts between all kinds of users and devices. We create a market for smart energy applications and all related aspects to make the energy transition successful. We see more and more decentralised energy production but provide solutions in other fields too. Many environmental problems can be solved in a decentralised way, and the EnergyParty blockchain solution from EnergyCoin Foundation contributes to improving the world. We need people to believe that they can make a difference. That is the mission for EnergyCoin Foundation and Geo Jan Sustainable Environmental Solutions

Jan.Clement@GeoJan.nl

