

Session Partnerships: April 11th 15.45 hrs

4s1: The circular food systems network: exploring opportunities for food security by circularity in different regions in the world

Carbon Farming - case of Farm Frites

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The company Farm Frites has the ambition to produce and sell develop carbon neutral fries to the market. Farm Frites is operating within an experimental collaboration to explore the potentials to enhance the sustainability of the company, the Green Circle. Within the Green Circle collaboration takes place between province of South Holland, knowledge institutes and the company. The Carbon Farming project focusses on the fries value chain, with an emphasis on measures to take at the levels of the farm. There has been made an inventory of potential measures for carbon storage in the soil and carbon capturing by the plants, next to measures to decrease the emission at farm level. Further measures at the level of the company with the processing and the logistics. Also the preparedness of customers and consumers to pay more for CO₂-neutral fries is being assessed. The researchers have supported the company to develop a pilot from one farmer towards one customer, in which the value chain has been connected and in the climate positive fries has been developed. Next challenge is to upscale this production. We will present an upscaling framework, which has been developed within Climate KIC Soil Carbon Farming network. This framework has been applied to the Farm Frites case and has lead to a roadmap. The framework consists of the following elements: network/ ecosystem, system approach, finance, certification and monitoring, incentives and support services. Collaboration among and connection with partners are key. Value chain approach, regional approach and Green Circle approach are key.

Keywords: carbon farming, systemic change, value chain, regional approach