

A BIOFUEL CONSULTING AND BROKERAGE COMPANY

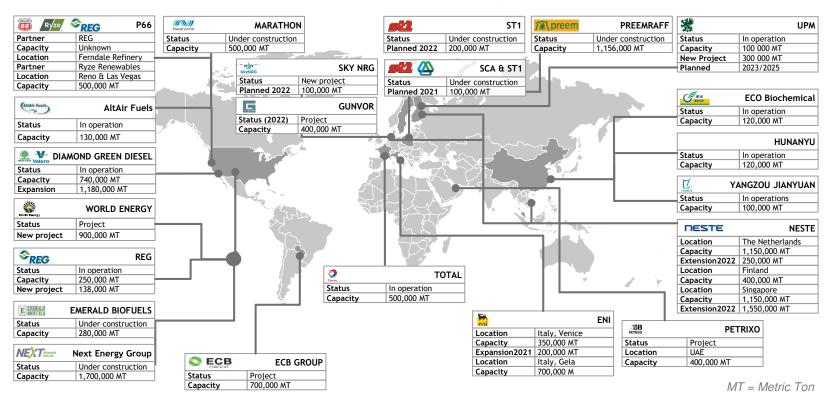
The Australian & New Zealand animal fat producers' ecosystem

must evolve

23 - 26 July 2019



Hydrogenated Vegetable Oil (HVO) is a global industry for local markets

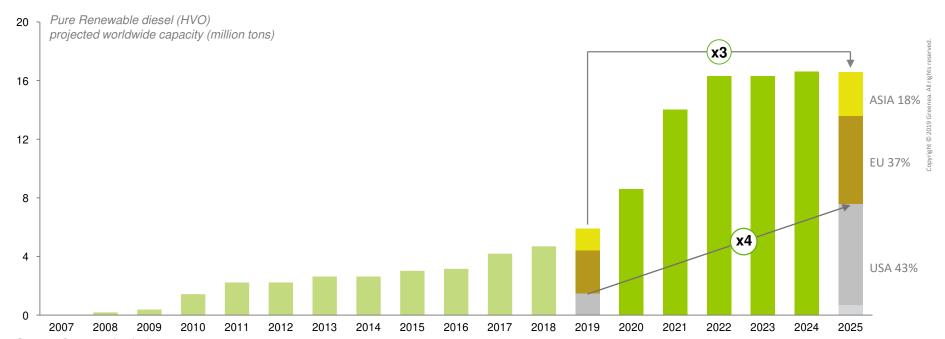


Source: Greenea Analysis



... and alongside, Hydrogenated Vegetable Oil worldwide capacity is expected to triple globally

Hydrogenated Vegetable Oil (HVO) worldwide installed capacity is expected to reach at least 13 million tons and up to 20 million tons in 2025



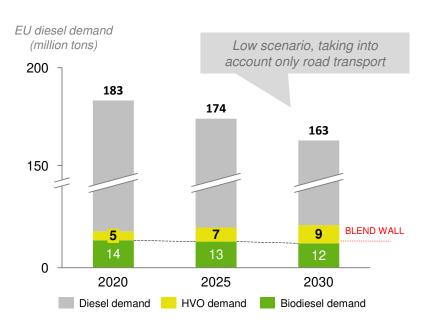
Source: Greenea Analysis

Note: This graph only includes pure-HVO factories projects planned before 2019

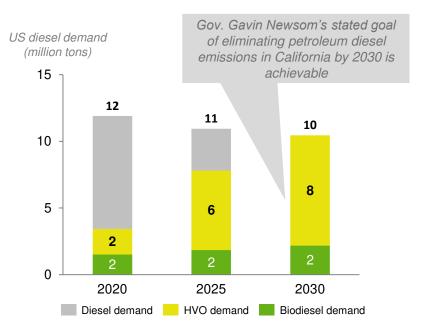


There is an ocean of opportunities for HVO in Europe and in the US...

The blend wall limit is the major driver of Hydrogenated Vegetable Oil (HVO) demand



California, a market with unlimited ambitions...



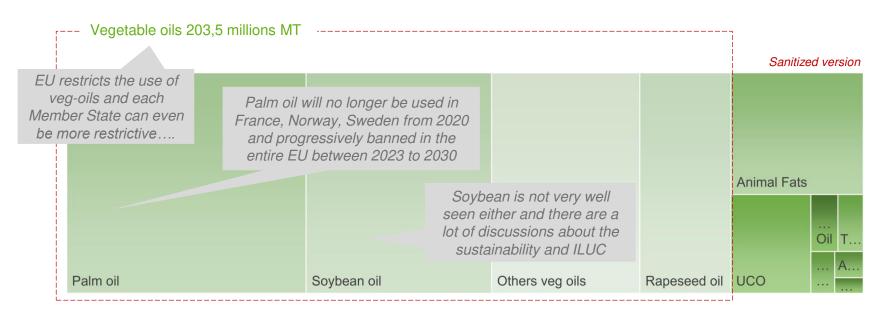
Source: Greenea Analysis, USDA, California Advanced Biofuels Alliance

Note: The "blend wall" is the limit of the total amount of biofuels that can be blended into diesel or gasoline fixed by vehicle industry and fuel distribution infrastructures



Today, the biodiesel & HVO production mainly relies on vegetable oils...

Global feedstock breakdown by type (2019)



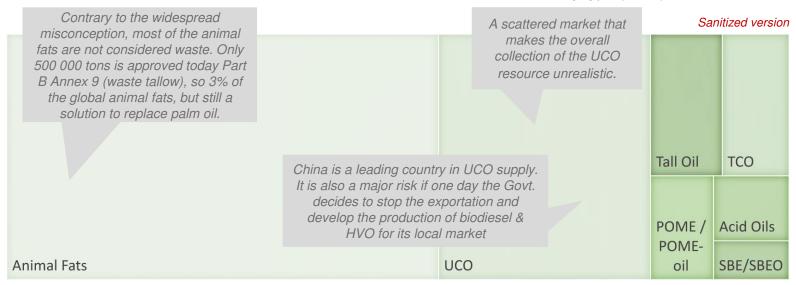
Source: Greenea Analysis

Note: Indirect changes in the use of land (ILUC)



... but in the long-term, biofuels stakeholders dream that veg-oils are not going to be used anymore, the industry will rely on very complex resources

Global biodiesel feedstock 2G¹ and 3G² resource breakdown by type (2019)

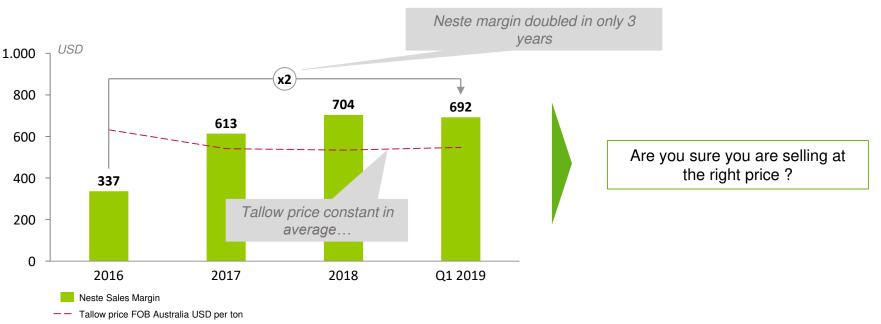


Caution on the market size of waste-based feedstocks, certainly not the only solution to meet the future demand, especially as there already exists a market for those feedstocks.

Source: Greenea Analysis



While tallow prices have remained constant over the past 2 years, Neste's sales margin has doubled in only 3 years

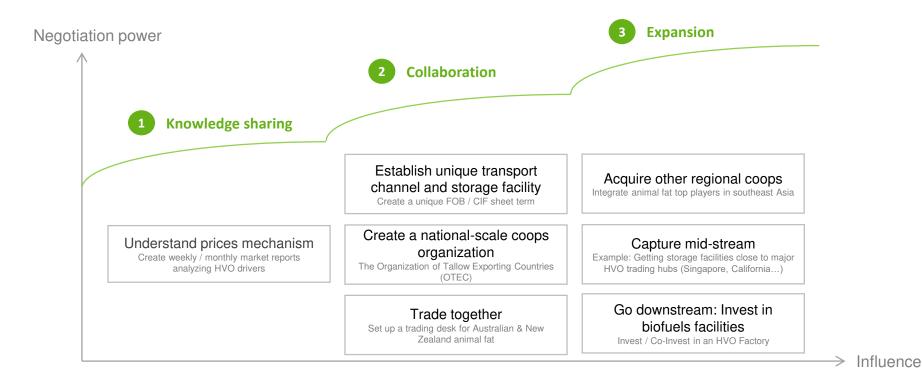


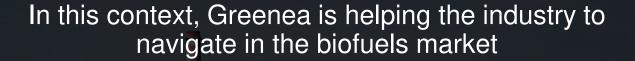
There is no transparency regarding HVO prices

Source: Greenea Analysis
Note: Neste Sales Margin and Tallow FOB Australia USD per ton price are averaged on a yearly basis based on quarterly data



A 3-step approach to gain influence and negotiation power on the animal fat market





"We help our clients make significant investment decisions in the EU, by bringing biofuels expertise, market visibility and latest updates, crucial in the decision making process and allowing them to understand biofuels maket mechanisms."

Since 2007, pioneer on the market of waste-based feedstock and biodiesel

12 years of experience

Active in 50 countries

35+
consulting
projects



Greenea Consulting helps global and regional oil & gas players define their biofuel strategy

Feedstock procurement strategy



Legislation EU / Global



Competition Analysis on the biofuel sector



Biodiesel demand



Transport and Logistics





Greenea Brokerage gets you the best deals on waste-based feedstock and biofuels

Greenea publishes on a daily basis the latest biodiesel-market prices and drivers updates

GREENEA WINDOW REPORT ICE MONITOR - EUROPE Greenea team cumulates **+20 years of experience** in biofuels and brokerage



Fabien Hillairet
Managing Director of GREENEA
Biofuels & Feedstock Broker

10+ years of experience in biofuels and waste based feedstock brokerage & consulting (Ex-biofuels expert at BCG)



Olivier Madiot
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