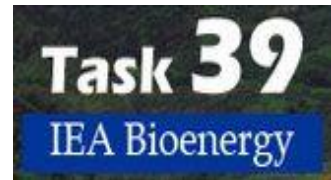




IEA Bioenergy
Technology Collaboration Programme



First entire train of advanced ethanol
from AustroCel Hallein to OMV

Country Update Austria

Dina Bacovsky, BEST

Task 39 Business Meeting, 19/04/2021

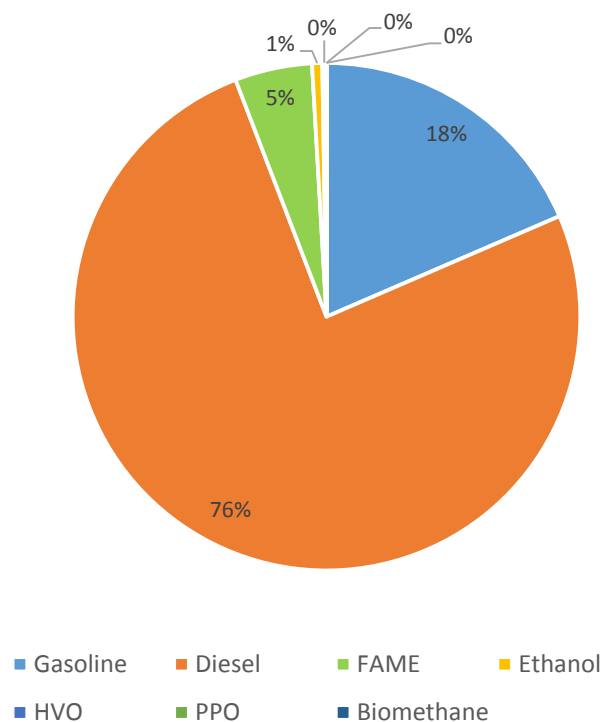
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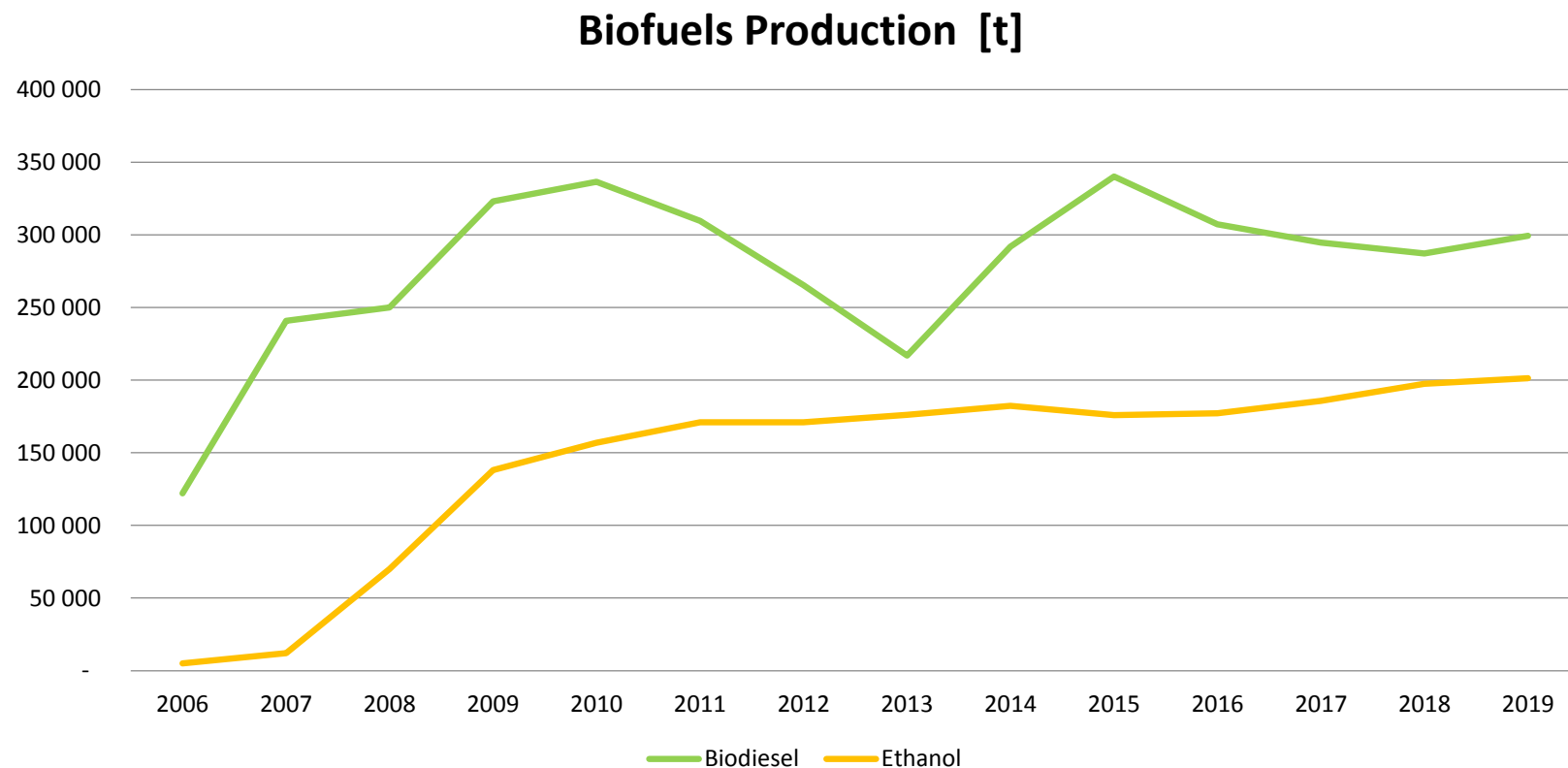
Biofuels use

Transport Fuel Consumption in Austria
in 2019 (8,581 kt)



- Biofuels blending mandate
 - Target 8.45% by Oct 2020
 - 6.19% achieved in 2019
- B7 and E5 used, E10 being considered
- RED II not yet transposed
- Palm oil no longer eligible for biofuels from 1 July 2021

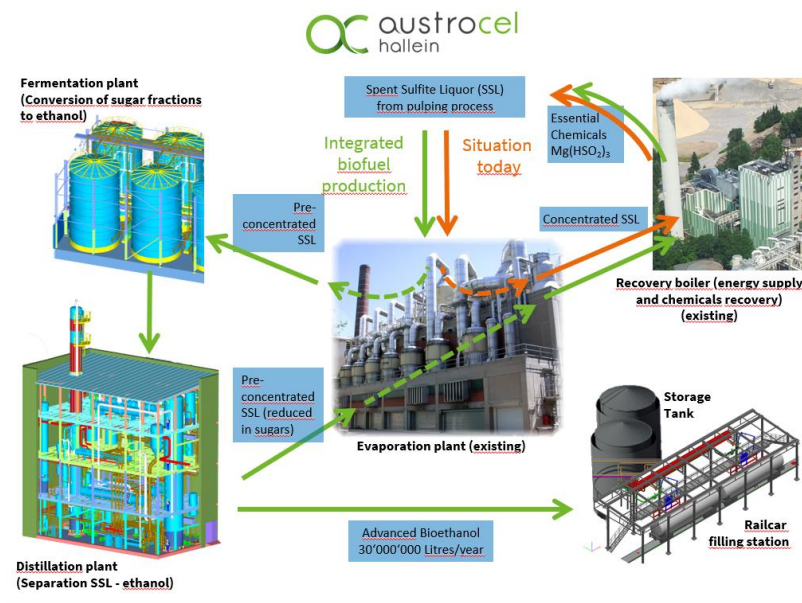
Biofuels production



Advanced biofuels production

- 30 mn l/a ethanol from brown liquor fermentation - operational since Dec 2020
- 1 MW waste gasifier - start up exp. Q2/2021
- 160,000 t/a of vegetable oils to be used in co-processing - investment decision taken
- Interest in green hydrogen, e-fuels and sustainable aviation fuels production

Advanced ethanol production at AustroCel Hallein



- Spruce-based pulp production for textile fibres, 155 kt/year
- Already provides green electricity and district heating
- Ferments brown liquor to ethanol (same concept as Borregaard)
- Installed capacity of 30 million litres of 2G ethanol
- Started up December 2020

Waste gasification in Vienna

BEST+Wien Energie+SMS Group+TU Vienna and others



- 1 MW pilot gasifier under construction at waste treatment facility in Vienna
- Feedstock: sewage sludge, residues from p&p industry, waste wood mixtures
- Product: hydrogen-rich syngas for further processing via FT-synthesis
- Start-up planned Q2/2021

Co-processing at OMV

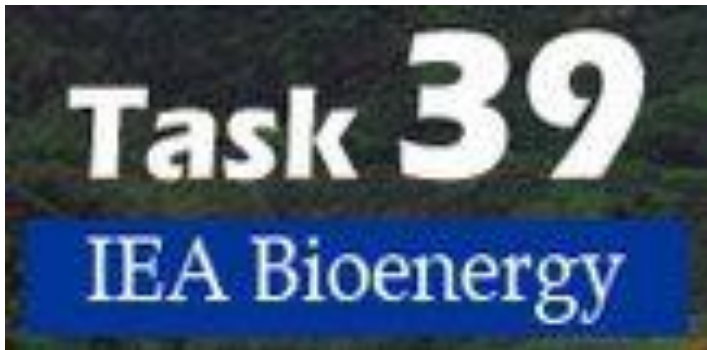


- Input: 160,000 t/y of vegetable oil
- Product: fuels with biogenic content
- Investment: 200 mn EUR
- Other plans:
 - Glycerin2Propanol
 - Green hydrogen (1.5 kt/a, 2023)
 - e-fuels production

Thank you

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