Neste Veturi Public Roadmap 10/2022

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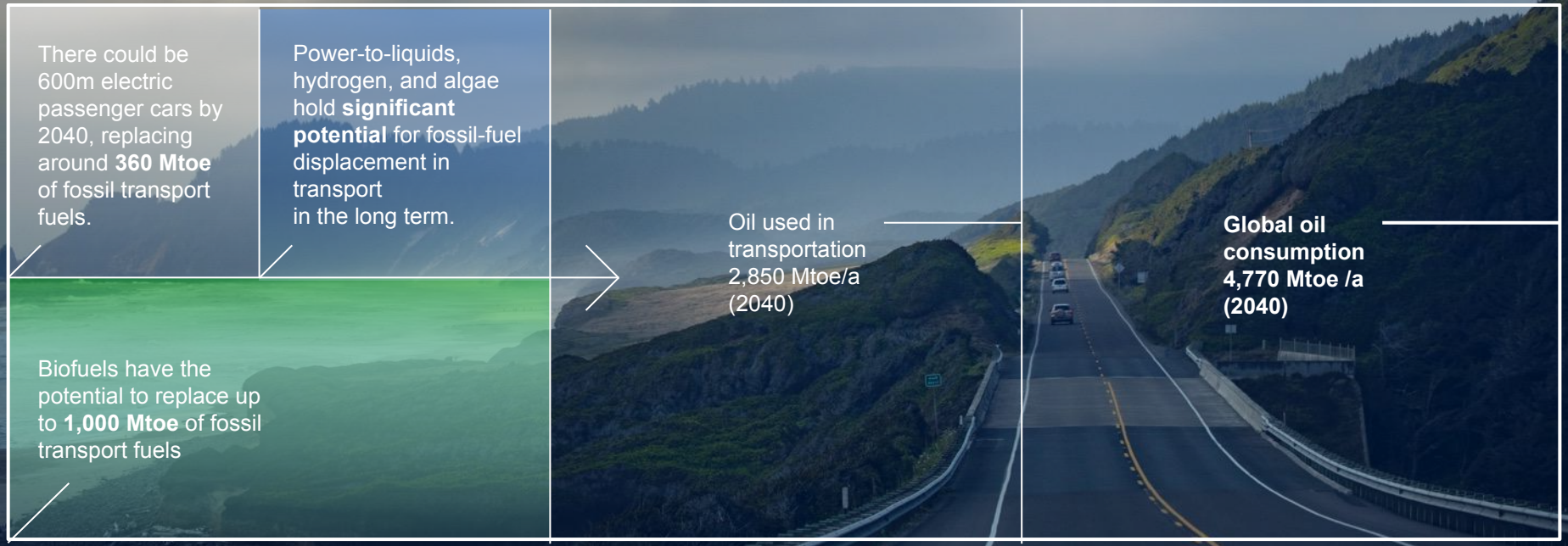
NESTE

Replacing fossil resources with renewable and circular solutions is a huge opportunity



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Source: Neste based on IEA (2020) World Energy Outlook, Stated Policies Scenario; WEF Clean Skies for Tomorrow (2020) and other sources.

We are making Finland a global forerunner in sustainable fuels, polymers and chemicals

Scalable global solutions to tackle climate change

Billion EUR scale new businesses beyond 2030

A world class competence ecosystem in Finland

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Our value proposition to our partners: Co-create healthier planet for our children

We have ambition, commitment and courage to develop globally scalable sustainable solutions.

We have strong technology development and scale-up capabilities.

We have a solid track record in developing profitable, sustainable businesses in global scale.

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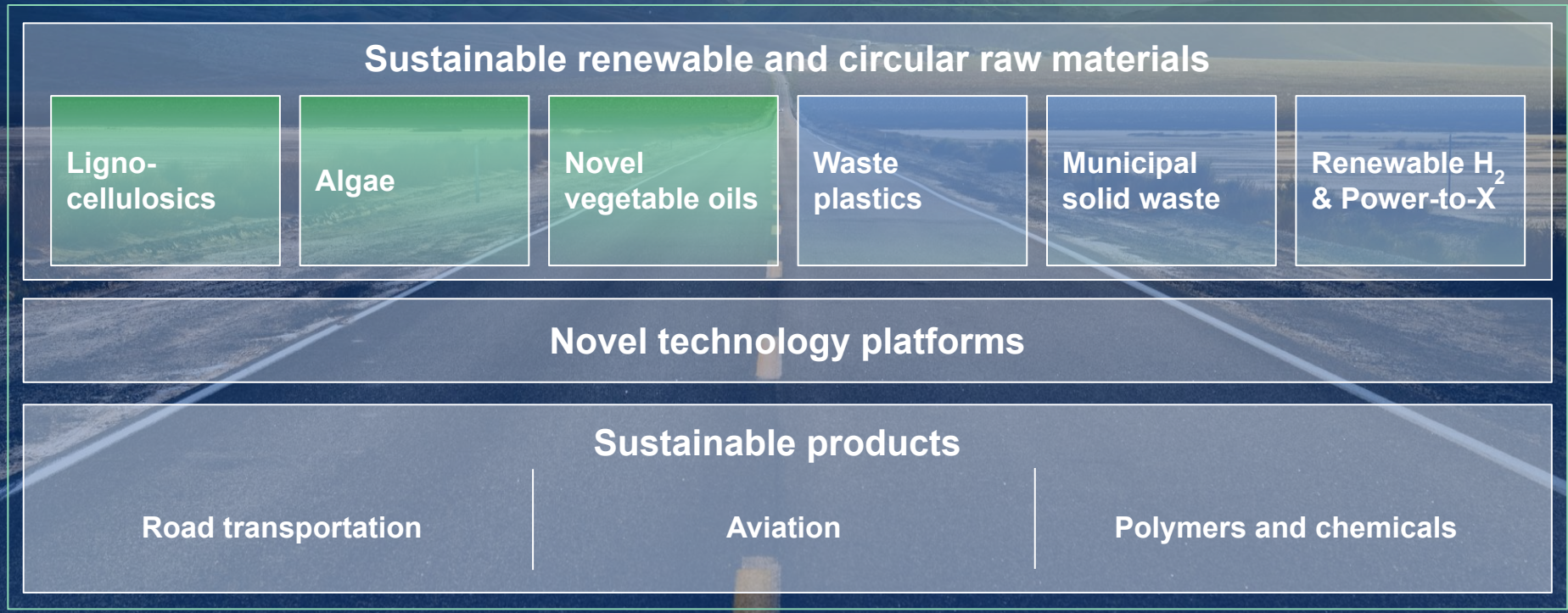
Neste Veturi develops globally scalable sustainable solutions



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Neste Veturi focus areas to build new, scalable business by 2030

Lignocellulosics

How to commercialize new technologies to convert forestry, forest industry and agricultural waste into fuels and chemicals.

Algae

How to develop algal technologies with the aim to expand renewable raw material pool to support future growth of renewables production.

Novel vegetable oils

How to develop sustainable cultivation methods that don’t require replacement of any existing crop cultivation, minimize indirect land use change, and reduce GHG emissions along the downstream value chain.

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Neste Veturi focus areas to build new, scalable business by 2030

Waste plastics

How to develop technologies and capabilities to chemically recycle otherwise hard-to-recycle waste plastic through liquefaction and refinery upgrading to drop-in petrochemical feeds for manufacturing of new plastics and chemicals.

Municipal solid waste

How to utilize currently not recycled or hard-to-recycle municipal solid waste fractions into sustainable aviation fuels, other sustainable fuels and chemicals.

Renewable H_2 & Power-to-X

How to deliver sustainable products from CO_2 and clean electricity.

How to develop renewable hydrogen solutions for existing use and beyond.

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Join us on a journey to create a healthier planet for our children

We are constantly looking for partners to build competences and solutions. Joint R&D could include topics like:

Game changing, novel technologies and value chains for sustainable fuels, polymers and chemicals

Efficient forest industry waste and residue supply chain, mechanical processing as well as refining to fuels and chemicals

Scalable and energy-efficient methods for algae biomass processing to fuels and chemicals

Sustainable multicropping systems and sustainable intensification of crop production in marginal lands

Alternative technologies for chemical recycling and the recyclability of plastic materials to expand the pool of waste plastics that can be recycled

Separation of the hard-to-recycle fractions from municipal solid waste for processing into sustainable fuels and chemicals

Hydrogen storages and logistics, and energy management models for green hydrogen production

Flexible synthesis PtX technologies, efuel synthesis, and novel CO_2 utilization technologies

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veturi
For more information on
Neste Veturi, please contact
Teija Laitinen
teija.laitinen@neste.com
or visit our website
www.neste.com/veturi
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