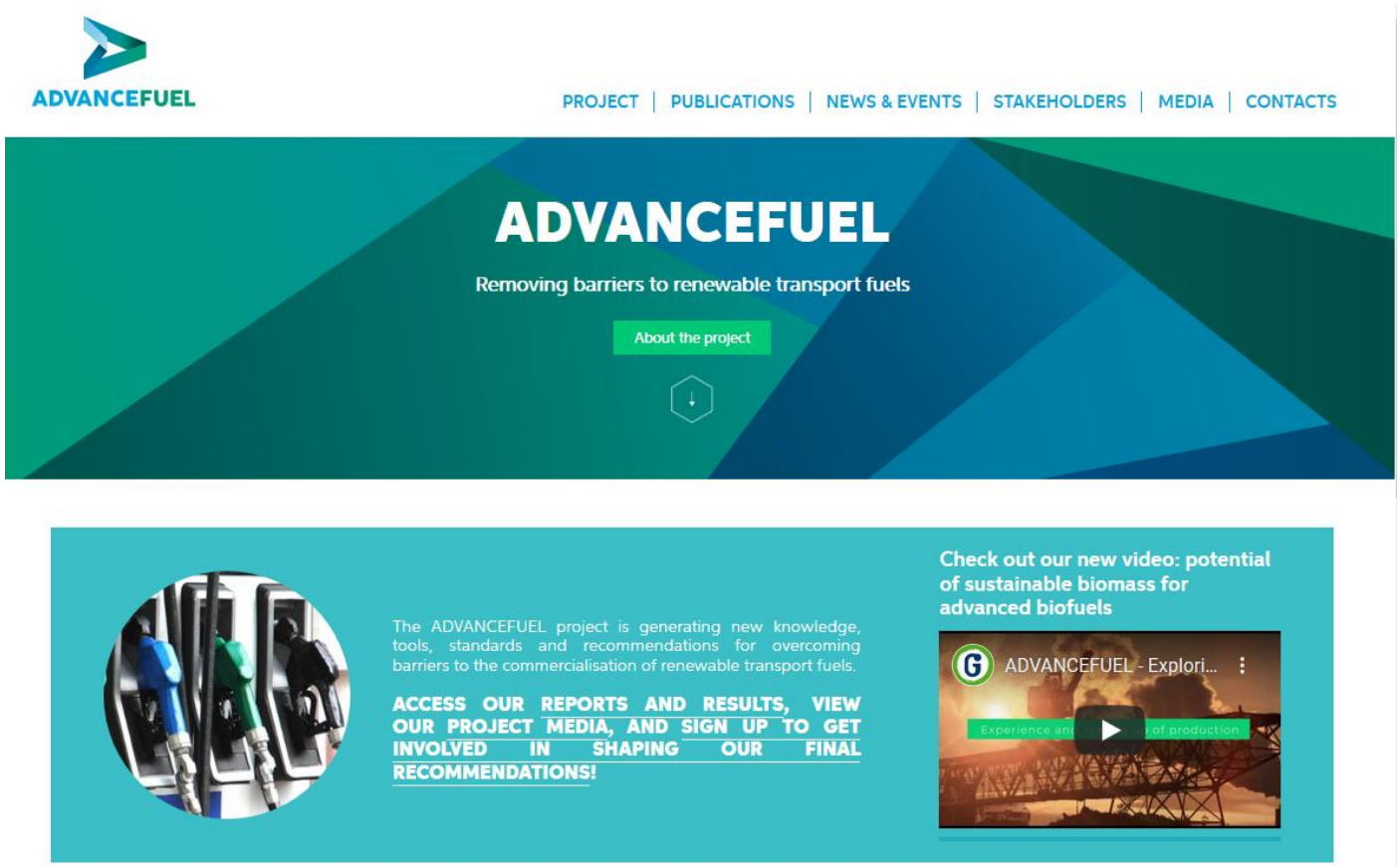
http://www.advancefuel.eu/



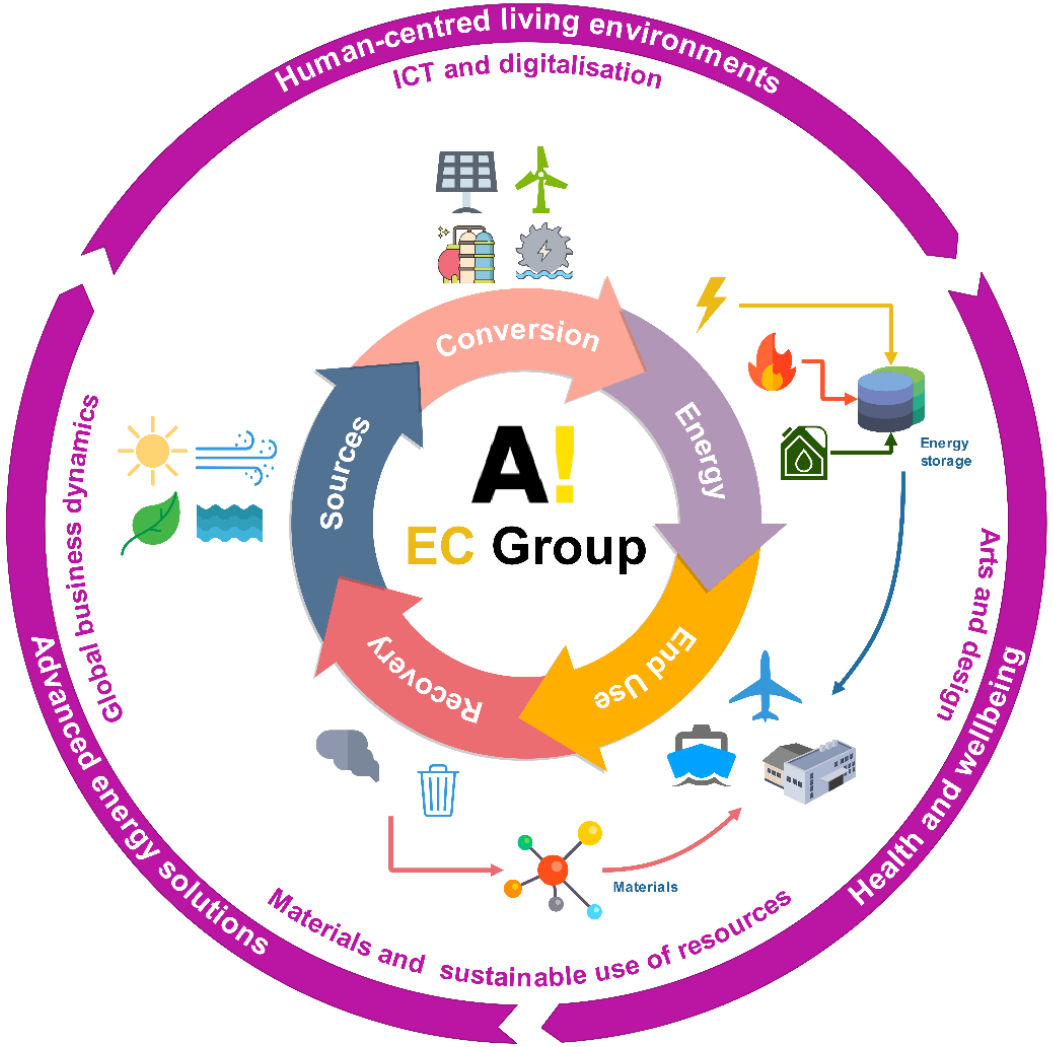
Prof Martti Larmi, Aalto-yliopisto
14.5.2020

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N.° 764799.

The Research Group of Energy Conversion

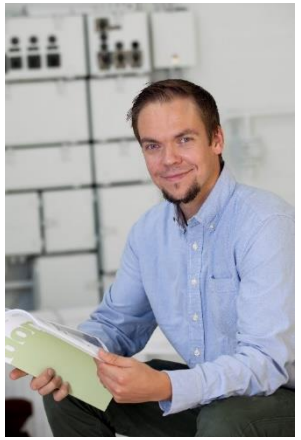
Aalto University

Head
Prof. Martti Larmi



Prof. Annukka Santasalo-Aarnio

Prof. Ville Vuorinen



Prof. Mika Järvinen

https://youtu.be/mK41f24lX1k

ADVANCEFUEL

- Part of EU Horizon 2020
- Coordination and Support Action of EU Commission
- Facilitating market roll-out of advanced liquid biofuels in transportation sector between 2020 and 2030 and beyond

Partners:

FNR – Fachagentur Nachwachsende Rohstoffe (Co-ordinator)
Germany

ECN – Energy Research Centre of the Netherlands
The Netherlands

Utrecht University
The Netherlands

Imperial College London
United Kingdom

Chalmers University of Technology
Sweden

Greenovate! Europe
Belgium

ATB - Leibniz Institute for Agricultural Engineering and Bioeconomy
Germany

Aalto University
Finland

Stakeholders:

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Importance of the research

- Increased market acceptance and end-use of renewable fuels
- Support for decision makers and fuel producers
- Assessment of future potential of alternative fuels
- *Providing market stakeholders with state-of-art knowledge and sophisticated, user-friendly tools with integrated calculators, standards, and recommendations.*

Aalto University
School of Engineering

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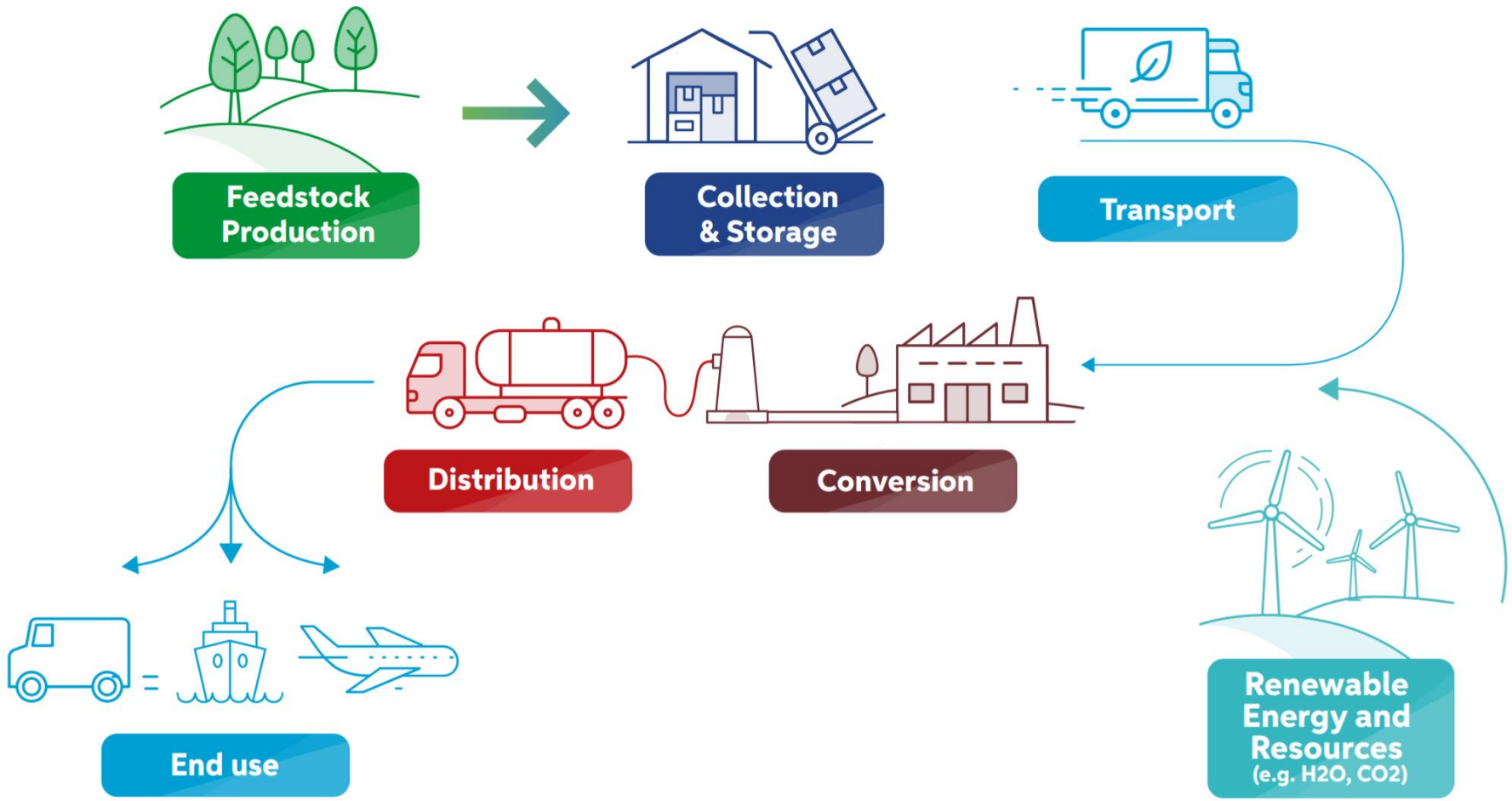
ADVANCEFUEL



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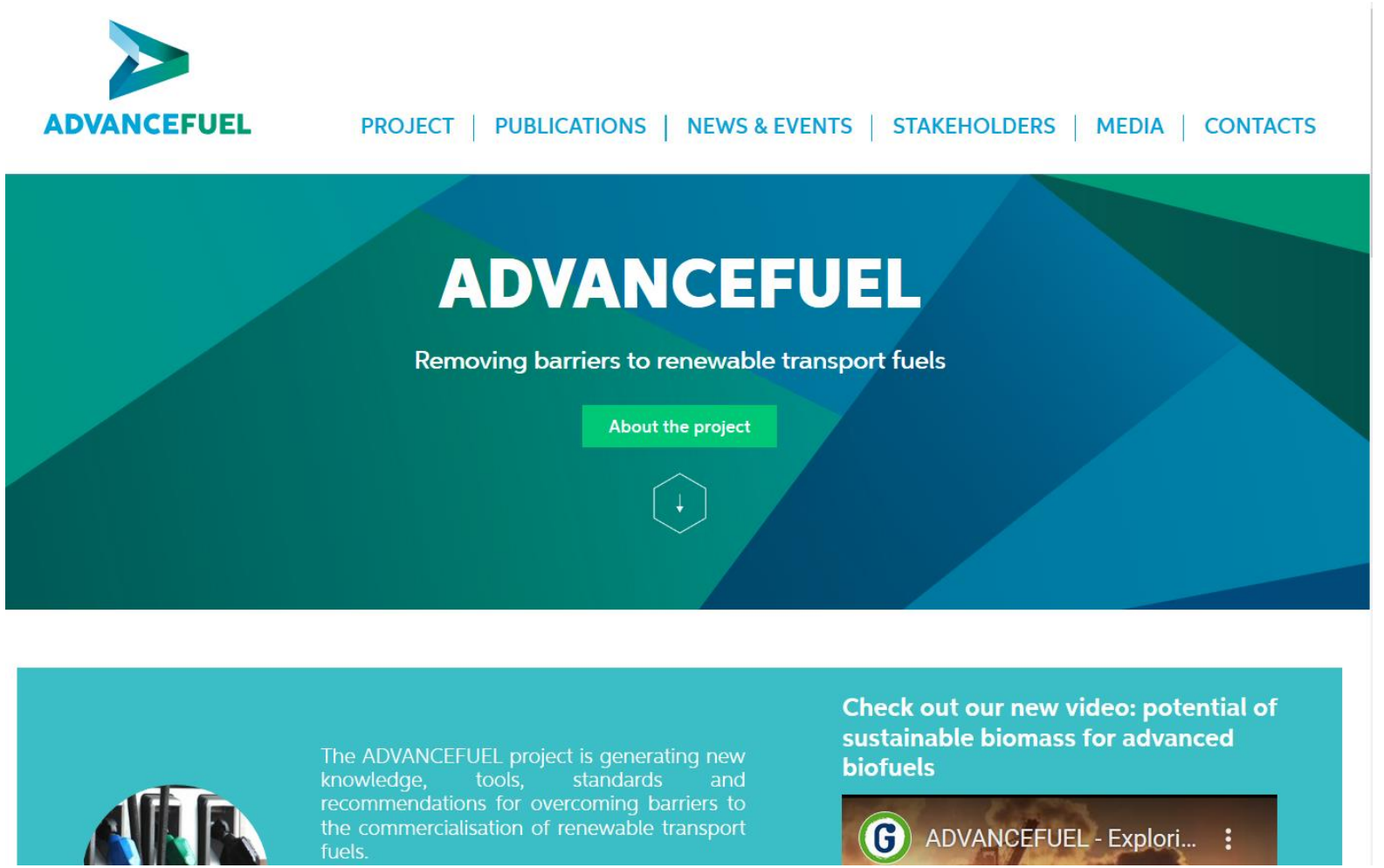

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REPORTS

D1.1 - Barriers to advanced liquid biofuels & renewable liquid fuels

ECN part of TNO

VIEW PDF

D1.2 - Monitoring framework & KPIs for advanced renewable liquid fuels

ECN part of TNO

VIEW PDF

D1.3 - Setting up the common framework for the ADVANCEFUEL project

ECN & Chalmers University of Technology

VIEW PDF

D1.4 - Monitoring framework & KPIs for advanced renewable liquid fuels (update)

ECN part of TNO

VIEW PDF

D2.1 - Lignocellulosic feedstock availability, market status and suitability

Utrecht University & ATB

VIEW PDF

D2.2 - Innovative cropping schemes for lignocellulosic feedstock production

ATB

VIEW PDF

VIEW MORE

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End-use performance of alternative fuels in various modes of transportation.

Task 5.4: Fuel and fuel blend properties in end use (lead: AALTO)

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Current Accomplishments, and Future Scope

ADVANCEFUEL

Literature study | Data collection | Methodology development | Modelling and validation | Final models ready | Publishing

Light duty

- **SI LDV - Published**
- **CI LDV - Published**
- SI LDV (modified, FFV)
- Fuel Cell Vehicles

Heavy-duty

- **CI HDV**

Marine

- **Model published**

Other

- **Aviation**

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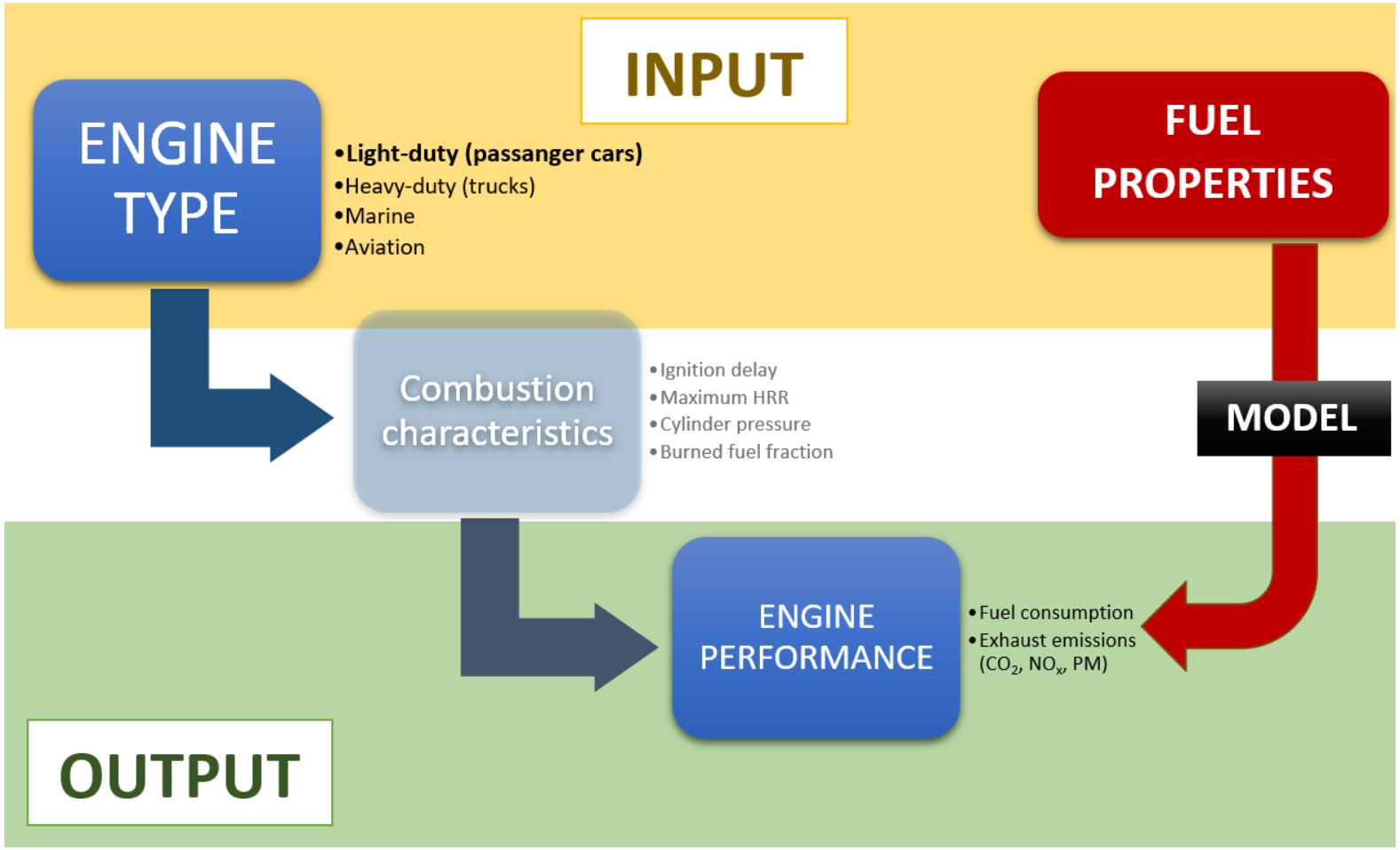
Structure of the problem



End-use performance (fuel consumption and GHG emissions) of alternative fuels in various modes of transportation.

Task 5.4: Fuel and fuel blend properties in end use (lead: AALTO)

ADVANCEFUEL

Contact:
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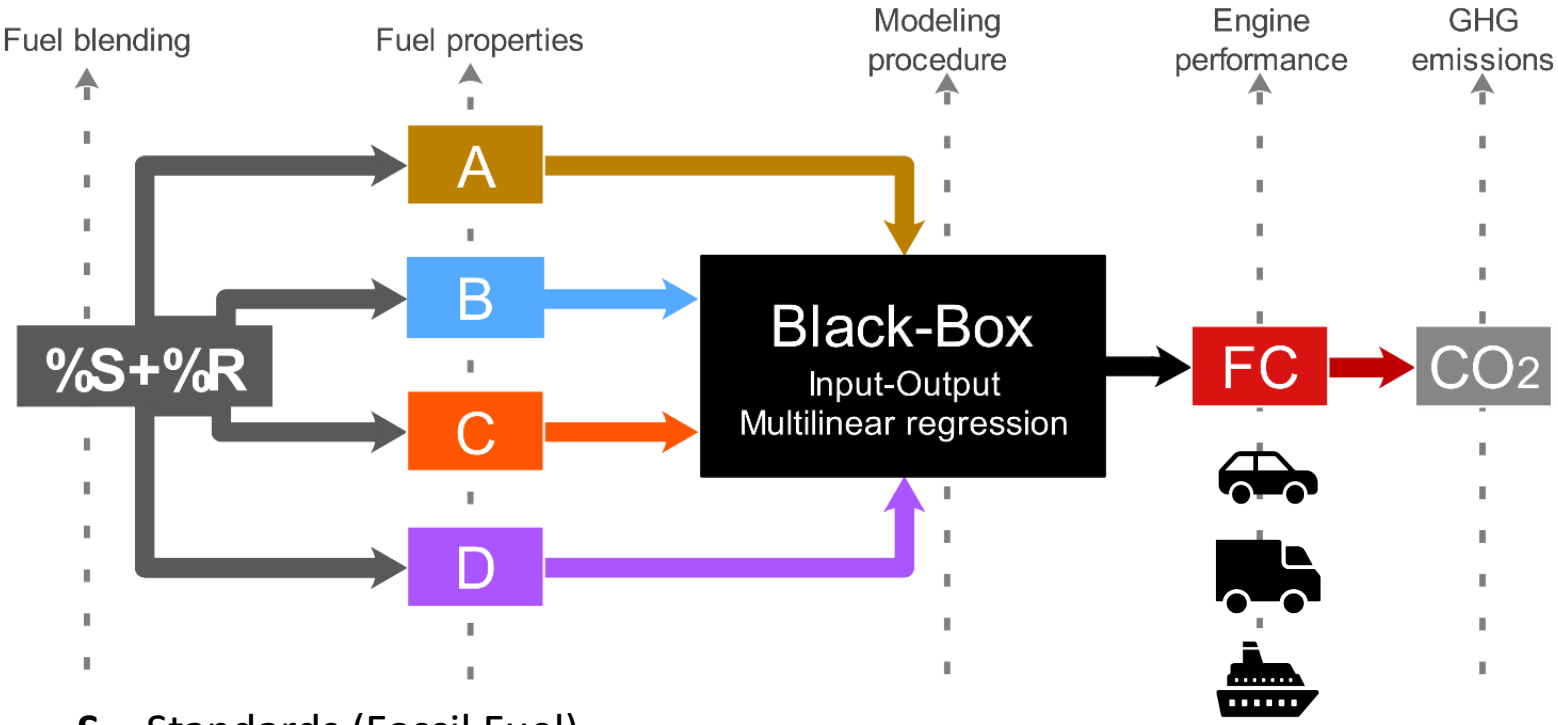
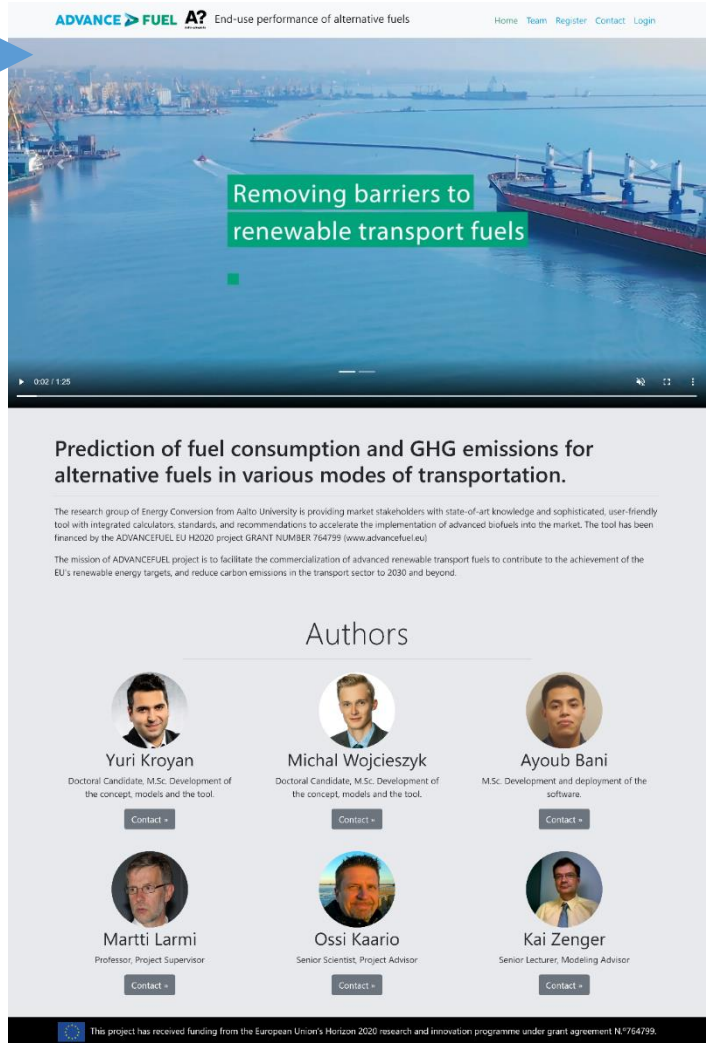
Michal Wojcieszyk – michal.wojcieszyk@aalto.fi

THE ONLINE TOOL

http://advancefuel.aalto.fi/



S – Standards (Fossil Fuel)
R – Renewabel fuel



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Together towards the sustainable future…

Thank you for your attention!

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