

<http://www.advancefuel.eu/>



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ADVANCEFUEL

Removing barriers to renewable transport fuels

About the project



The ADVANCEFUEL project is generating new knowledge, tools, standards and recommendations for overcoming barriers to the commercialisation of renewable transport fuels.

ACCESS OUR REPORTS AND RESULTS, VIEW OUR PROJECT MEDIA, AND SIGN UP TO GET INVOLVED IN SHAPING OUR FINAL RECOMMENDATIONS!

Check out our new video: potential of sustainable biomass for advanced biofuels



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

Prof. Annukka Santasalo-Aarnio

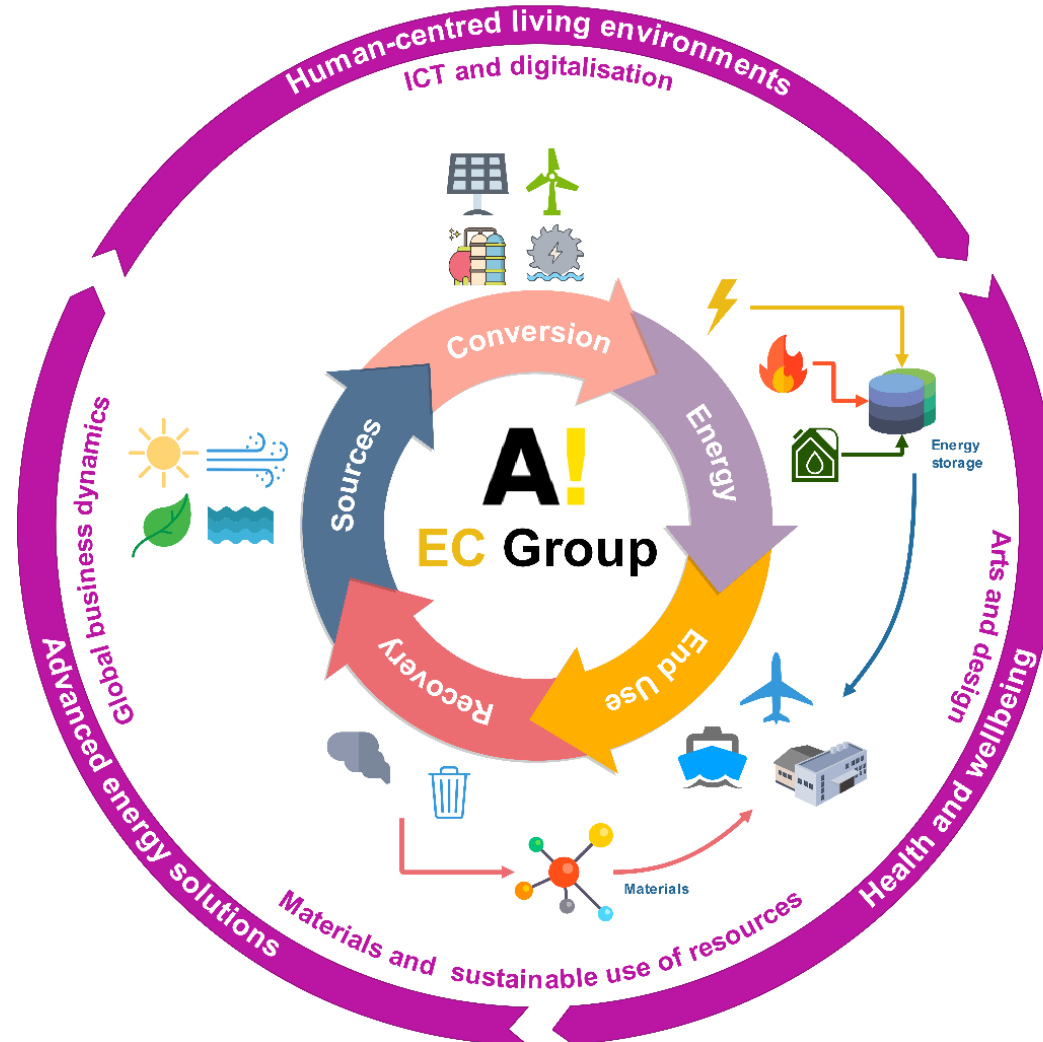
Head
Prof. Martti Larmi



Prof. Ville Vuorinen



Prof. Mika Järvinen



<https://youtu.be/mK41f24IX1k>

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:



Chalmers University
of Technology
Sweden



Greenovate! Europe
Belgium



ATB - Leibniz Institute
for Agricultural Engineering
and Bioeconomy
Germany



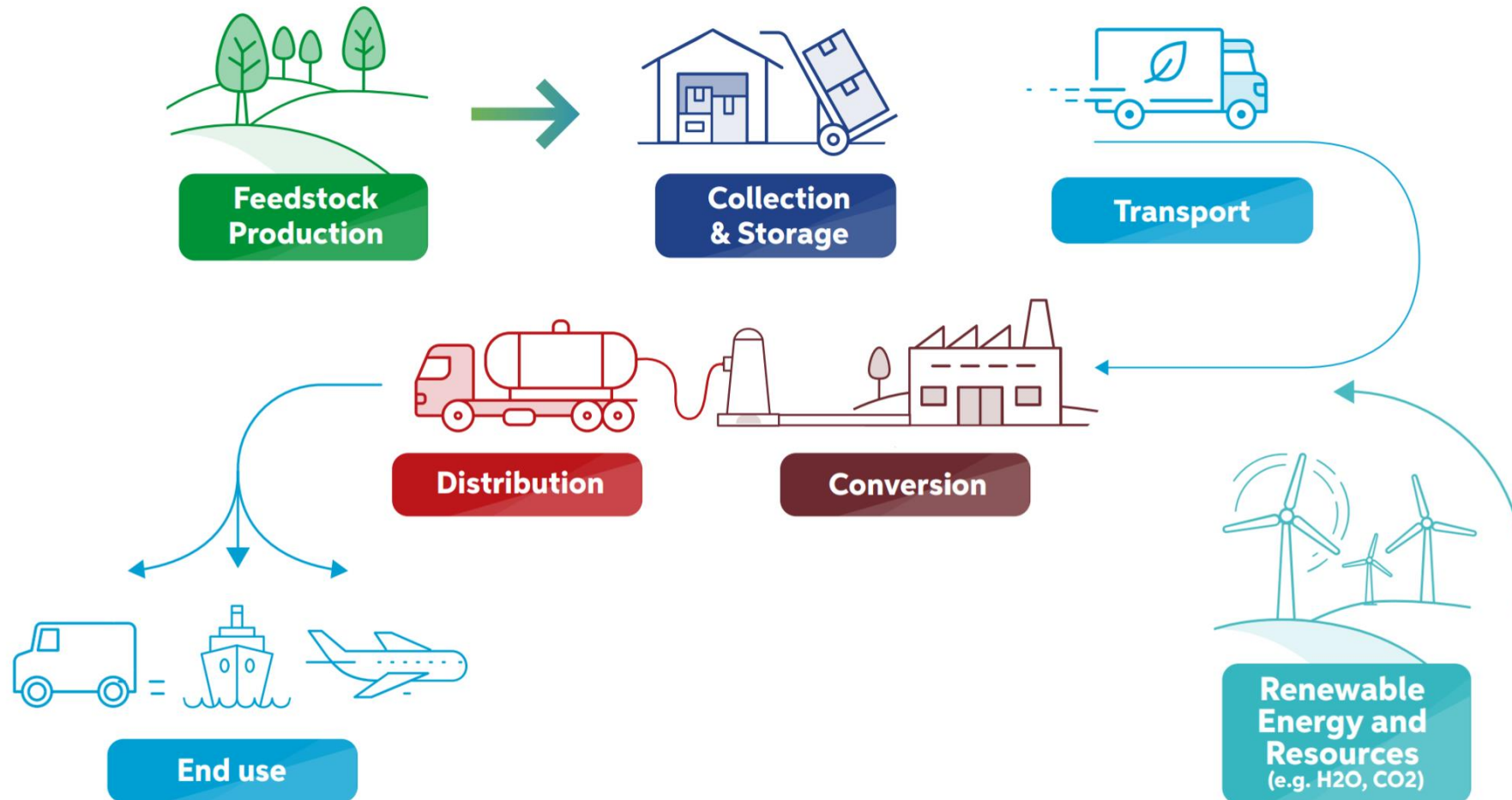
Aalto University
Finland

Stakeholders:



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.*



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ADVANCEFUEL - Explori... ⋮



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REPORTS



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

ECN part of TNO

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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

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

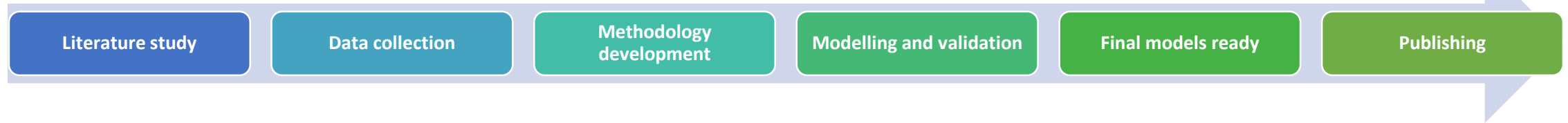
Task 5.4: Fuel and fuel blend properties in end use (lead: AALTO)



Current Accomplishments, and Future Scope



ADVANCEFUEL



Light duty

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



Heavy-duty

- CI HDV



Marine

- Model published

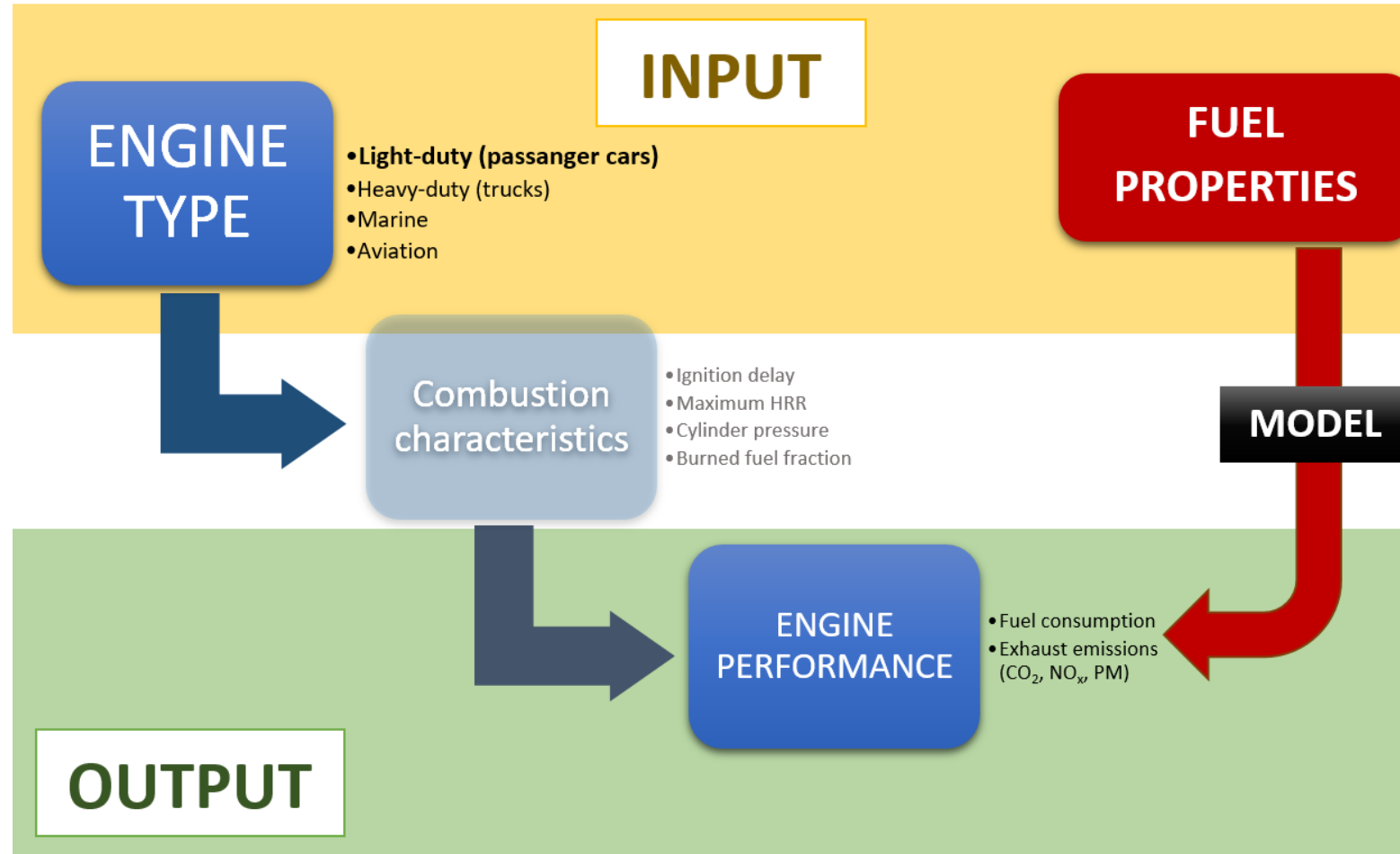


Other

- Aviation



Structure of the problem

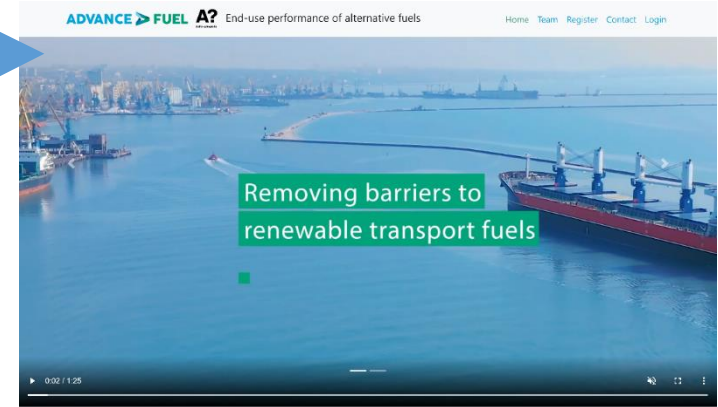


Contact:

Yuri Kroyan – yuri.kroyan@aalto.fi

Michal Wojcieszuk – michal.wojcieszuk@aalto.fi

THE ONLINE TOOL
<http://advancefuel.aalto.fi/>



Prediction of fuel consumption and GHG emissions for alternative fuels in various modes of transportation.

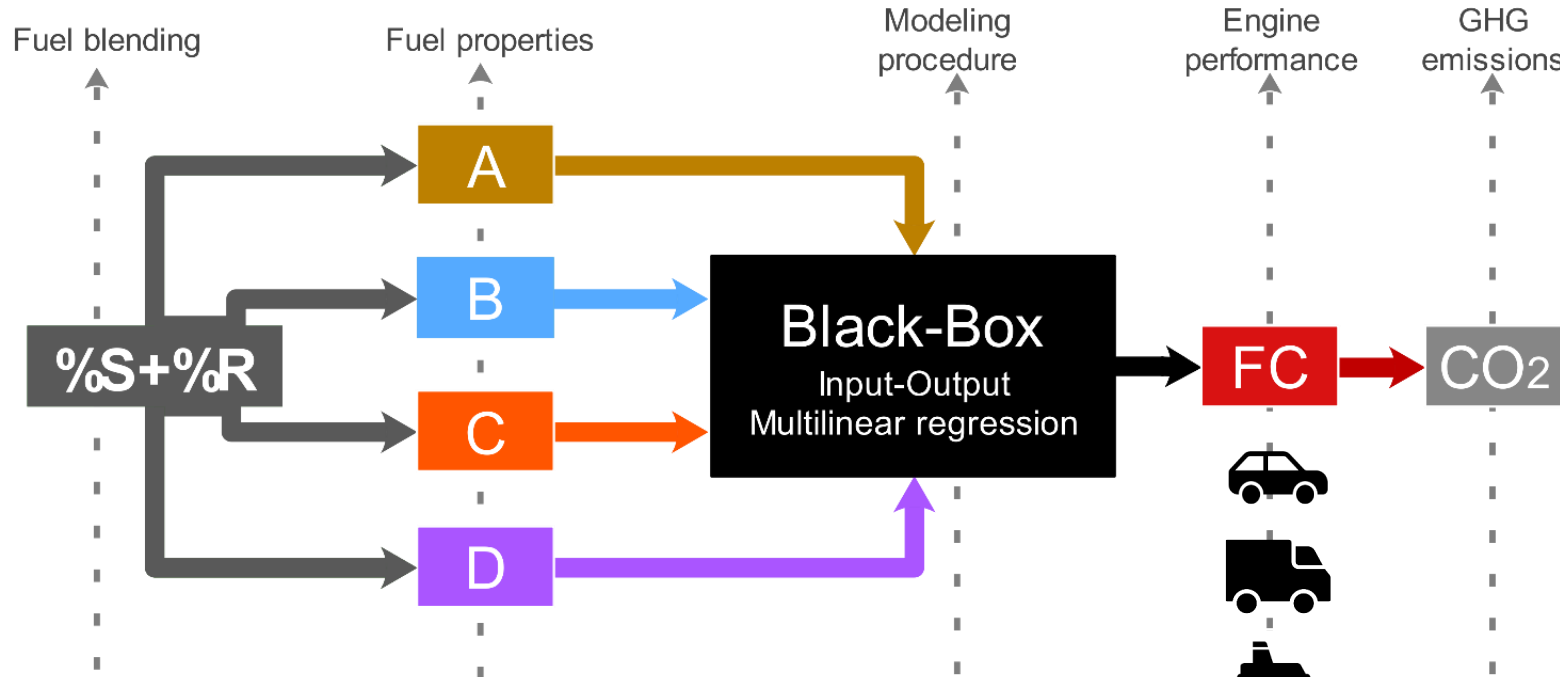
The research group of Energy Conversion from Aalto University is providing market stakeholders with state-of-art knowledge and sophisticated, user-friendly tool with integrated calculators, standards, and recommendations to accelerate the implementation of advanced biofuels into the market. The tool has been financed by the ADVANCEFUEL EU H2020 project GRANT NUMBER 764799 (www.advancefuel.eu)

The mission of ADVANCEFUEL project is to facilitate the commercialization of advanced renewable transport fuels to contribute to the achievement of the EU's renewable energy targets, and reduce carbon emissions in the transport sector to 2030 and beyond.

Authors

 Yuri Kroyan <small>Doctoral Candidate, M.Sc. Development of the concept, models and the tool.</small> Contact »	 Michal Wojcieszuk <small>Doctoral Candidate, M.Sc. Development of the concept, models and the tool.</small> Contact »	 Ayoub Bani <small>M.Sc. Development and deployment of the software.</small> Contact »
 Martti Larmi <small>Professor, Project Supervisor</small> Contact »	 Ossi Kaario <small>Senior Scientist, Project Advisor</small> Contact »	 Kai Zenger <small>Senior Lecturer, Modeling Advisor</small> Contact »

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S – Standards (Fossil Fuel)

R – Renewabel fuel



Together towards the sustainable future...

Thank you for your attention!



Yuri Kroyan
Doctoral Candidate
yuri.kroyan@aalto.fi



Michal Wojcieszuk
Doctoral Candidate
michal.wojcieszuk@aalto.fi



Martti Larmi
Professor
martti.larmi@aalto.fi



Ossi Kaario
Senior Research Fellow
ossi.kaario@aalto.fi

