



# LIPID-BASED BIOFUELS

## POSITION PAPER

### INTRODUCTION

The challenge of decarbonising the European transport sector is huge. Therefore the full potential of all options has to be taken into account. It is well known that lipid-based biofuels are currently providing the majority of renewable energy into the EU transport sector, and that the EU has set sustainability criteria for them. Setting ambitious targets for the years 2021-2030 would allow the use of the current options and, in addition, would provide interest for additional investments in the EU.

The ART Fuels Lipid-based biofuels group calls for:

- an ambitious, transport specific renewable energy mandate for 2021-2030 which covers the whole transport sector and can be fulfilled with any sustainable renewable options, including sustainable crop-based fuels and sustainable waste and residue based fuels, and
- a binding subtarget which can be fulfilled with biofuels produced from feedstocks listed in Annex IX, part A. The subtarget should provide a trajectory for 2021-2030 with binding milestones.

To incentivise continued research of novel wastes and residues into biofuels, the ART Fuels Lipid-based biofuels group also calls for:

- a broad definition of advanced biofuels which includes, besides biofuels produced from feedstocks listed in Annex IX, also other biofuels produced from other than food/feed crops that comply with the existing sustainability criteria.

## TECHNOLOGY AND FEEDSTOCK NEUTRALITY

In practice, a transport sector specific mandate should be set in a technology neutral way, allowing the industry to use technology and sustainable feedstock options through transparent and robust sustainability and certification criteria which guide sourcing and R&D of new feedstock options.

The EU should continue using sustainable crop-based biofuels, but simultaneously step forward and increase the motivation to explore the potential of low-iluc-risk biofuels and the use of waste and residue fats and oils which are not mentioned in the Annex IX. These all should be options to account towards fulfilling the transport specific target as long as they fulfil the EU sustainability criteria. An open situation provides the industry continued motivation to find new feedstock options and sources. Continuing robust monitoring, reporting and verification criteria are a necessary complement to ensure that sustainability is adequate.

## INNOVATION AND INVESTMENTS

A subtarget for selected technologies and feedstocks listed in Annex IX, Part A is needed to support the development and scale-up efforts of emerging technologies. However, indicative targets for the years 2021-2030 are insufficient, but, instead, binding milestones have to be set to provide incentives to start the roll-out of investments in these technologies as early as possible. In order to provide confidence to the investors, it is important that feedstocks mentioned on the list now cannot be removed during the period 2021-2030.

## ABOUT ART FUELS FORUM

The ART Fuels Forum brings together 100 experts and leaders representing the value chain for alternative transportation fuels to facilitate discussions, elaborate common positions on policy issues and identify market penetration opportunities and barriers for these fuels. The Forum is established and financed by the European Commission under the project name “Support for alternative and renewable liquid and gaseous fuels forum (policy and market issues)”. It is composed of stakeholders from the European alternative and

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renewable transport fuels (ART Fuels) production industry, the transportation sector, the main international cooperation actors and EU policy makers and stakeholders.

ART Fuels Forum focuses on sustainable advanced liquid and gaseous transportation fuels derived from a broad range of non-food feedstocks using specialized conversion technologies. These transportation fuels include, among others, fuels produced from thermochemical and biochemical conversion of lignocellulosic biomass, fuels from algae and microbial biomasses, power to gas/liquid fuels, solar fuels, fuels from industrial waste gases, fuels from municipal solid waste, plastic waste and refinery waste, and co-processing of biomass intermediates in existing refineries.

[www.artfuelsforum.eu](http://www.artfuelsforum.eu)

**DISCLAIMER** - The above Position paper on the Lipid-based Biofuels has been drafted by the Lipid-based Biofuels Working Group of the Alternative & Renewable Transport Fuels Forum (ART Fuels Forum) after exchange of opinions and internal consultation among the Forum members. The content of the Position paper does not necessarily reflect the views of all members of the ART Fuels Forum, but is a synthesis of the main positions. The positions and recommendations listed above are those of the members of the ART Fuels Forum and do not necessarily reflect either the official position of the Commission or the complete position of the members of the ART Fuels Forum.

### Project Management of ART Fuels Forum



ENERGY & ENVIRONMENT CONSULTANTS  
Omirou Str. & Vissarionos 1, 10672 Athens (GR)  
Tel: +30 210 6996185, e-mail: [office@exergia.gr](mailto:office@exergia.gr)

### Scientific Coordination of ART Fuels Forum



RE-CORD, c/o Dept. of Industrial Engineering,  
University of Florence, Viale Morgagni 40, 50134 Florence (IT)  
Tel: +39 055 2758690, e-mail: [info@re-cord.org](mailto:info@re-cord.org)

