



Alternative and Renewable Transport Fuels Forum (policy and market issues)

IRENA 8th Assembly: Bioenergy for Sustainable Development
Thematic Meeting

Dr. Theodor Goumas
ART Fuels Forum Project Manager

Abu Dhabi, 12 January 2018

ART Fuels Forum – Advanced Biofuels, e-Fuels, Low Carbon Fuels

- ART Fuels Forum supported by EC-DG Energy
- FOCUS: Market & Policies post 2020 (to 2030)
- ~ 100 participants (Members, Affiliate, Observers)

<http://artfuelsforum.eu/>



Support for alternative and renewable liquid and gaseous fuels forum
(policy and market issues)

The **ART Fuels Forum** established under the project: "Support for alternative and renewable liquid and gaseous fuels forum (policy and market issues)", is financed by the European Commission and aims at bringing together selected representatives of:

- the European Alternative and Renewable Transport Fuels (ART Fuels) production industry
- the transport consumption industry
- the main international cooperation actors and
- the EU policy makers and stakeholders

towards facilitating discussion and elaboration of common issues on policy and market penetration barriers for these fuels.

The project contributes to enhancing and strengthening the understanding of the needs of the ART Fuels sector in view of improving:

- policy understanding and its implementation at European level
- appreciation of market uptake issues
- technology insight and deployment issues
- appreciation of international cooperation, WTO and GHG emissions issues

The Forum integrates a series of organized and structured discussions, plenary meetings, preparation of position papers, etc. towards shaping strategies and policies for market deployment of ART Fuels. ☘

Project financed by the 

ART Fuels (ART Fuels) production industry



HOME PARTNERS FORUM LIBRARY NEWS LINKS CONTACT ARTIS LOGIN

ART FUELS FORUM

The ART Fuels Forum, established under the project: "Support for alternative and renewable liquid and gaseous fuels forum (policy and market issues)", is financed by the European Commission and aims at bringing together selected representatives

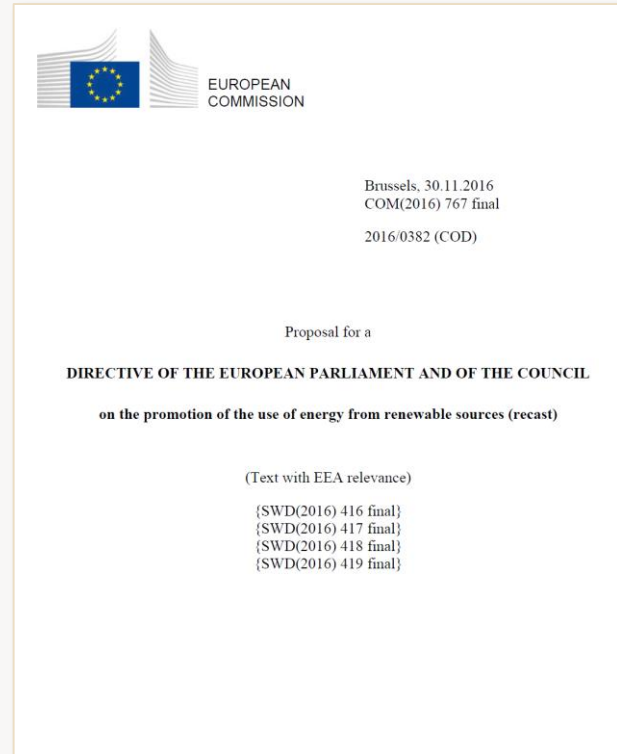
READ MORE >



Logos of partners and sponsors including: VTT, AIRBUS, Audi, biochemtex, btg, ArcelorMittal, ENERKEM, SkyNRG, Valmet, STI, DUPONT, ARIV, GLOBAL BIOENERGIES, BUGGYPOWER, NESTE, METHANOL INSTITUTE, TOTAL, REG, CERULOGY, ifr Energies nouvelles, Stena, gti, CONKER, triple E&M, Göteborg Energi, FNR, LanzaTech, Leaf, SCANIA.

All logos are property of their respective owners

- EC recently proposed the new Directive on Renewable Energy (RED II)
- Following Sub-Group on Advanced Biofuels - SGAB
- SGAB work was endorsed by the ART Fuel Forum, which is further elaborating industry views and messages
- Industry needs certain conditions to invest in Demo and First-Of-A-Kind (FOAK) plants
- Definition of AB and ART Fuels is among the very first issues to be tackled.
- Eligibility of feedstocks and technologies for financing towards wider deployment of AB



ART Fuels Key Messages - General

- LONG-TERM STABLE POLICY FRAMEWORK
- PENALTIES FOR NON-COMPLIANCE
- POST 2030 PROVISIONS
- SUSTAINABILITY CRITERIA
- 1G TO AB TRANSITION
- FINANCING
- SPECIFIC INCENTIVES FOR AVIATION
- MULTIPLIER FACTORS
- PROTECTION OF INVESTMENTS
- GHG EMISSION FROM WASTE TO BE REASSESSED
- SPECIAL ATTENTION TO NEW TECHNOLOGIES
- BIOMASS CO-PROCESSING IN PETROLEUM REFINERIES



ART Fuels
KEY MESSAGES ON RED II PROPOSAL

INTRODUCTION

INTRODUCTION
Forum is established under the project
"Alternative and Renewable
"fuels (ART Fuels) production industry
of consumption industry
international cooperation actors and
by members and stakeholders
discussion and elaboration of common issues on policy and market penet-
ration fuels.
Focus is on enhancing and strengthening the understanding of the needs of the
sector of improving
understanding and its implementation at European level
in of market uptake issues
insight and deployment issues
in of international cooperation, World Trade Organization (WTO)
emissions issues
a series of organized and structured plenary meetings, preparation of po-
sitions shaping strategies and policies for market development of ART Fuels,
results of the Sub-Group on Advanced Biofuels (SGAB) EU initiative. The
draft and fully endorsed by the ART Fuel Forum (AFF).

Key Messages: The Forum has also prepared Sector-Specific Messages,
focus of the consolidated ART Fuels production and transport consumption
Key Messages from the International Perspective: These can be found at
<http://artfuelsforum.eu>

ADVANCED BIOFUEL DEFINITION

ADVANCED BIOFUEL DEFINITION
Advanced biofuels should be broader than Annex IX lists and should in-
clude waste & residue material based biofuels. Inclusion is key to successful
motor and supports innovation. The industry believes that a definition of
fuels should be developed and used with targets. We reiterate the SGAB
definition of advanced biofuels as the most appropriate one for the recast of the RED. "Advanced
Biofuels are those produced from biomass other than food/feed crops while meeting the EU sus-
tainability regime under the legislation in force."

EMISSIONS and SUSTAINABILITY CRITERIA

EMISSIONS and SUSTAINABILITY CRITERIA
The definition of non-food cellulosic material as in Art. 24 is too narrow and doesn't represent
reality on the ground. A more accurate one, reflecting the reality on sourcing sustainable biomass
by the investors, is needed which is being drafted by the AFF and will be communicated soon.
Furthermore, the SGAB definitions for Advanced Renewable Fuels, e-Fuels and Low Carbon
Fossil Fuels should be adopted by the legislator to provide clarity and remove ambiguity in the
legislation.
AFF feels difficult to understand that "Low Carbon Fossil Fuels" - non-renewable fuels - are
integrated in the same sub-mandate with renewable fuels. This industry points out that this
situation needs correction, and not the removal of the Low Carbon Fossil Fuels from the RED II as
has been proposed.

POLICY FRAMEWORK and SUPPORT SCHEMES

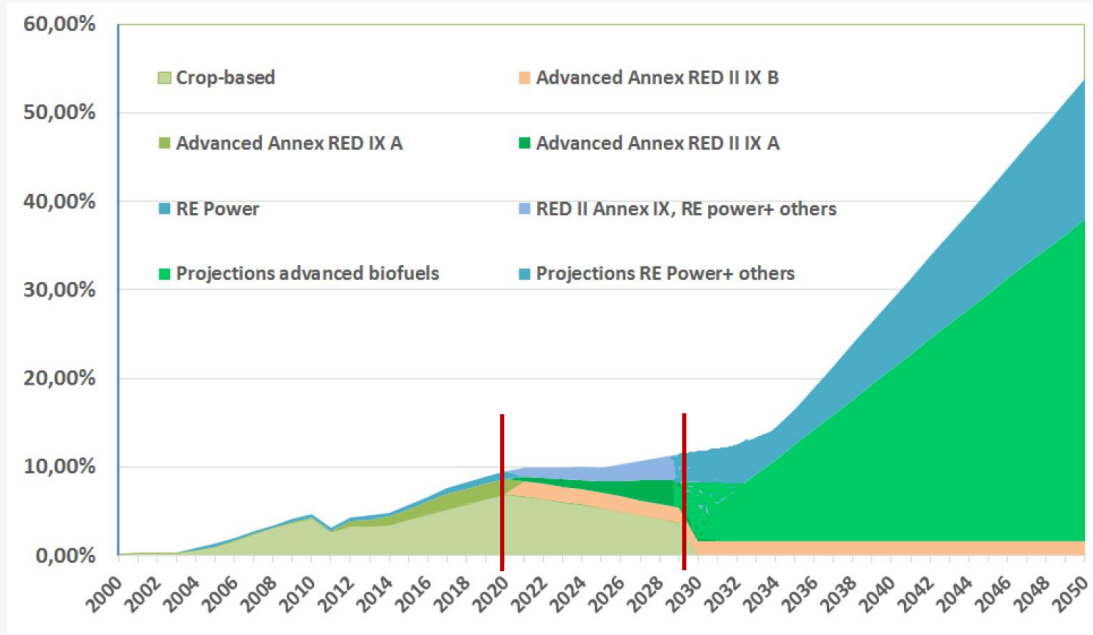
POLICY FRAMEWORK and SUPPORT SCHEMES

Project financed by the
European Union

- Promotion of the Forum positions on current policy and market developments at EU and international level, more than 12 events with geographical and technological focus, **IRENA ST-5**
- Assessment on “**Biomass Resources & Availability**”, concentration on the dry marginal land of EU MED, **IRENA ST-3 and ST-4**
- Assessments and update of Advanced Biofuels cost, based on SGAB report and IEA studies
- Specific assessments on light vehicles GHG standards and Power-to-X market opportunities
- Strategy for the period 2020-2030 for ART Fuels policy and market outreach

Advanced Biofuel Scenario - RED II

GHG emission
reduction



RED II modest proposal to 2030, and enormous effort needed post-2030 if EU Policy targets are to be met

Source: SGAB, 2017