

Project financed by the



ART Fuels



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The **ART Fuels Forum** (est. in the project "Support for policy and market development for Alternative and Renewable Transport Fuels (ART) and products") is a single policy and proven technology forum representing the demand and supply industry of ART Fuels and expresses the collective view of more than **100 experts**, who act as "enablers" of the energy transition goals as per the Paris agreement and Sustainable Development Goals (SDG's) through the elaboration of evidence-based documents addressed to the decision-makers.

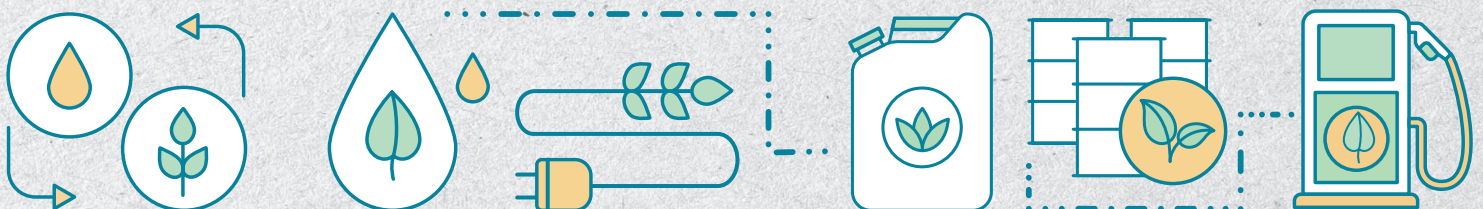
The ART Fuels Forum acknowledges the urgency of decarbonization of the transport sector, supports the imperative necessity to deploy many solutions in synergy and emphasizes that several sustainable technologies have been developed and are now steadily being scaled up. In particular, Alternative and Renewable Fuels can be used immediately without any major changes needed to engines and fuelling infrastructure and this is crucial for aviation, shipping and heavy-duty trucks that are nearly impossible to electrify.

“Decarbonising all modes of transport is an enormous challenge that requires all possible means including sustainable low carbon fuels”

During the first two years of its operation, the ART Fuels Forum actively participated in the RED II debate and succeeded in putting forward positions and suggestions in relation to the Directive. Several of the concepts proposed by the Forum were considered positively by the legislators.

Moving ahead, the Forum further contributes to achieving the deployment of alternative and sustainable low carbon fuels by focusing on the following topics

- RED II implementation,
- market penetration and development,
- financial and economic support;
- dissemination on industrial capacity and technological developments



Project Background

Alternative Renewable Transportation Fuels are sustainable liquid and gaseous fuels, derived from a broad range of non-food feedstocks, suitable for exploitation in transport applications through the use of specialized conversion technologies. Among the fuels considered as ART Fuels, we can list, in principle, fuels from thermochemical and biochemical conversion of lignocellulosic biomass, fuels from algae and microbial biomasses, power to gas/liquid fuels, fuels from industrial waste gases, fuels from municipal solid waste, plastic waste and refinery waste, co-processing of biomass intermediates in existing refineries, etc.



Unclear policy implementation, despite the fact that RED II has provided the main policy directions for the period 2020-2030, remains an open issue that hinders the development and the whole take-off of biofuels. The Forum aspires to effectively tackle this issue and contribute to the development of long-term suitable conditions for a solid and durable deployment of advanced biofuels technologies at a large-scale through identifying opportunities, defining and suggesting suitable policies, shaping market scenarios and elaborating supporting policy positions. ❖

The ART Fuels Forum Structure

The ART Fuels Forum Structure: The ART Fuels Forum directly involves major actors to cover the whole consumption and production areas of alternative and renewable liquid and gaseous transportation fuels. The established Forum consists of a group of selected experts, the Forum **Leaders**, coming from:

- sectors of **Aviation, Heavy Duty Vehicles, Maritime** and **Passenger Cars**,
- production industries specialized in: **Thermochemical, Biochemical, Lipid-based, Biomethane, Power-to-X, Algae to biofuels technologies**, as well as **Future Concepts & Recycled Carbon Fuels**

The Forum Leaders are supported by a team of **Members** and **Affiliate Members**, a group of more than 50 specialized industry experts on various ART Fuels technologies and transport sectors who participate in the Forum work under the Leaders' guidance.

Besides the aforementioned category of industrial Members, a number of competent experts representing **Associations, NGOs, Think Tanks, Consultancies** and **Research Institutions** pertinent to the areas of ART Fuels production and consumption participate in the Forum's activities by contributing to the discussions with their expertized point of view. The Forum benefits also from international cooperation partners directly with representations from Brazil, Canada, China, India and USA.

The Forum, in the effort to maximize its impact, has also established collaboration with other relevant initiatives active in the area of ART Fuels, including: **below50, Biofuture Platform, ETIP Bioenergy, IEA Bioenergy, European Advanced Biofuels Flightpath** ❖



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