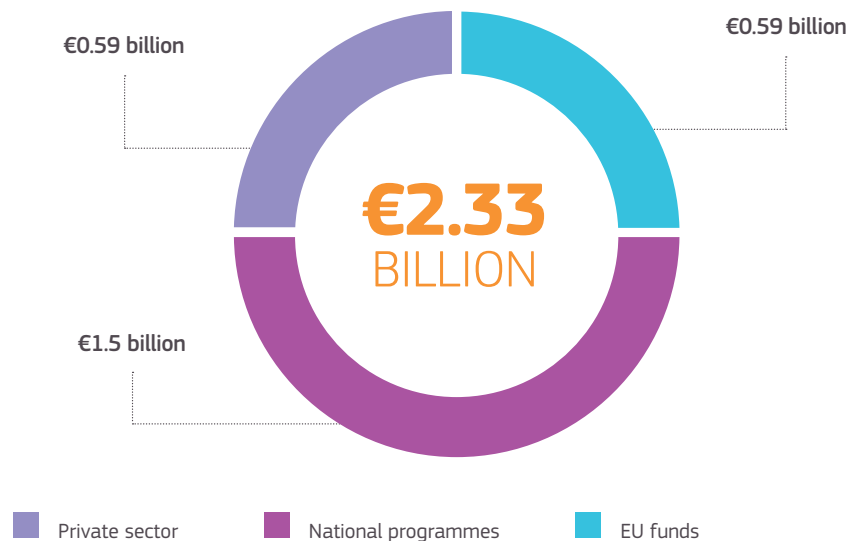


RENEWABLE FUELS AND BIOENERGY IP 8

Bioenergy is essential for reaching EU's renewable energy targets. Advanced biofuels, along with other renewable fuels, are important for decarbonising transport, and sector coupling. This Implementation Plan (IP) aims at economies of scale, lower production costs, and reduced emissions. The IP sets targets for: bioenergy, renewable fuels, intermediate bioenergy carriers, and biomass combined heat and power.

OVERALL INVESTMENT TO BE MOBILISED FOR RENEWABLE FUELS AND BIOENERGY FOR 2018-2030



EXAMPLES OF R&I ACTIVITIES

ALL GAS

This project demonstrated large-scale production of sustainable biomethane from algae. By integrating waste water treatment with biogas production, the project realised multiple benefits: energy and nutrients savings, and producing dry biomass.

Budget: €7.1 million
2011-2019

<http://www.all-gas.eu/en/>

4REFINERY

This project will develop and demonstrate next-generation biofuels. The consortium aims at successful deployment into existing refineries, scaling up testing procedures, and developing solutions to answer key societal and environmental challenges.

Budget: €6 million
2017-2021

<https://www.sintef.no/4refinery>

Who's involved ?

13
COUNTRIES

Austria, Belgium, Cyprus, Czechia, Finland (Co-chair), France, Germany, Italy (Co-chair), Netherlands, Portugal, Spain, Sweden, and Turkey.



STAKEHOLDERS

European Automobile Manufacturers' Association (ACEA), CNH Industrial (formerly Fiat-Iveco), European Biogas Association (EBA), European Energy Research Alliance (EERA) on Hydrogen, EERA on Bioenergy, Italian National Hydrocarbon Agency (Ente Nazionale Idrocarburi S.P.A.-ENI), European Technology and Innovation Platform (ETIP) Bioenergy, ETIP Renewable Heating and Cooling, European Power Plant Suppliers Association (EPPSA), European University Association, European Biomass Industry Association (EUBIA), Fuel Cells and Hydrogen Joint Undertaking (FCH JU), FlightPath, IFP Energies Nouvelles (IFPEN) [formerly Institut Français du Pétrole], Leaders of Sustainable Biofuels (LSB), Neste, Orsted (formerly Dong Energy), Fraunhofer Institute for Environmental, Safety, and Energy Technology (UMISICHT), and Technical Research Centre of Finland Ltd (VTT).