

# - IDEALFUEL -

Lignin as a feedstock for renewable marine fuels

GRANT AGREEMENT No. 883753

HORIZON 2020 PROGRAMME - TOPIC LC-SC3-RES-23-2019

“Development of next generation biofuel and alternative renewable fuel technologies for aviation and shipping”



## Deliverable Report

D1.1– NEC – Requirement No.1



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## **Publishable summary**

The EU H2020 project IDEALFUEL aims to develop an efficient and low-cost chemical pathway to convert lignocellulosic biomass into a Biogenic Heavy Fuel Oil (Bio-HFO) with ultra-low sulphur levels that can be used as drop-in fuel in the existing maritime fleet. Within this project fuels or fuel-related components will be shipped between the partners. Since two partners (WinGD and BLOOM) are located in non-EU countries, Switzerland, several aspects need to be covered. This is documented within this deliverable, D1.1 concerning the NEC – Requirement No.1 for the IDEALFUEL project and its partner deliverable D1.2 covering the type of materials that IDEALFUEL will be transporting between the partners. This deliverable D1.1 shows that the partners have confirmed to the coordinator that they obtain and keep copies on file of import/export authorizations as required by national and EU legislation. There are no deviations from the description of this deliverable as given in Annex 1 of the Grant Agreement.

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**Abbreviations**

Symbol / short name	
Bio-HFO	Biogenic Heavy Fuel Oil

## 1 Introduction

The EU H2020 IDEALFUEL consortium is spread all over Europe and during the runtime of the IDEALFUEL project, project-related items will be transported between the partners. Since two project partners, namely WinGD and BLOOM are located in Switzerland these items / products – mainly fuels – will be shipped between the EU and a non-EU country and some aspects need to be covered according to the ethics self-assessment checklist<sup>1</sup>. This mainly affects the technical partners:

- the Netherlands: TU/e, VERT, GOOD and VARO;
- Germany: OWI and T4F;
- Spain: CSIC;
- Switzerland: WinGD and BLOOM.

These aspects are covered in two deliverables. This deliverable, D1.1, shows that the partners have confirmed to the coordinator that they will obtain and keep copies on file of import/export authorizations as required by national and EU legislation. The second deliverable, D1.2, describes the kind of - project related - materials that will be transported/shipped and what kind of details related to these materials will be documented.

## 2 Approach

### 2.1 Request for statements by coordinator

The coordinator has contacted all the partners and requested a confirmation of the following statement:

We <PARTNERNAME> as IDEALFUEL project partner confirm that copies of import/export authorizations, as required by national/EU legislation will be obtained and will be kept on file. We are aware that this request is directly related to the items that will be transported/shipped within the IDEALFUEL project, not for all the transport/shipping processes within a company.

### 2.2 Confirmation statements by partners

All partners have confirmed to the coordinator that they obtain and keep copies on file of import/export authorizations as required by national and EU legislation.

Table 2.1: Confirmation of statements by the partners.

Partner	Name		Confirmation Yes/No	Date
1	Technische Universiteit Eindhoven	TU/e	Yes	16-10-2020
2	Vertoro B.V.	VERT	Yes	22-10-2020
3	TEC4FUELS GmbH	T4F	Yes	22-10-2020
4	Bloom Biorenewables SA	BLOOM	Yes	22-10-2020
5	Uniresearch BV	UNR	Yes	16-10-2020
6	Winterthur Gas & Diesel AG	WinGD	Yes	27-10-2020
7	(Formerly SeaNRG, is now GOODFUELS #12)		NA	NA
8	Thyssenkrupp Marine Systems GmbH	TKMS	Yes	22-10-2020
9	OWI Science for Fuels GmbH	OWI	Yes	22-10-2020
10	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	CSIC	Yes	22-10-2020
11	VARO Energy Netherlands B.V.	VARO	Yes	22-10-2020
12	Goodfuels B.V.	GOOD	Yes	22-10-2020

NA = Not applicable

<sup>1</sup>[https://ec.europa.eu/research/participants/data/ref/h2020/grants\\_manual/hi/ethics/h2020\\_hi\\_ethics-self-assess\\_en.pdf](https://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/ethics/h2020_hi_ethics-self-assess_en.pdf)

### **3 Discussion and Conclusions**

All partners have confirmed to the coordinator that they obtain and keep copies on file of import/export authorizations as required by national and EU legislation. See also deliverable D1.2 for the details that will be documented of the materials that will be transported/shipped within the IDEALFUEL project. There are no deviations from the description of this deliverable as given in Annex 1 of the Grant Agreement.

## **Risk Register**

No risks foreseen related to this deliverable.

## Acknowledgement

The author(s) would like to thank the partners in the project for their valuable comments on previous drafts and for performing the review.

### Project partners:

#	Partner short name	Partner Full Name
1	TUE	Technische Universiteit Eindhoven
2	VERT	Vertoro BV
3	T4F	Tec4Fuels
4	BLOOM	Bloom Biorenewables Ltd
5	UNR	Uniresearch B.V.
6	WinGD	Winterthur Gas & Diesel AG
7		(Formerly SeaNRG, is now GOODFUELS #12)
8	TKMS	Thyssenkrupp Marine Systems GMBH
9	OWI	OWI – Science for Fuels gGmbH
10	CSIC	Agencia Estatal Consejo Superior De Investigaciones Cientificas
11	VARO	Varo Energy Netherlands BV
12	GOOD	GoodFuels B.V.



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## Appendix A – Quality Assurance Review Form

The following questions should be answered by all reviewers (WP Leader, reviewer, Project Coordinator) as part of the Quality Assurance procedure. Questions answered with NO should be motivated. The deliverable author will update the draft based on the comments. When all reviewers have answered all questions with YES, only then can the Deliverable be submitted to the EC.

NOTE: This Quality Assurance form will be removed from Deliverables with dissemination level “Public” before publication.

Question	WP Leader	Reviewer	Project Coordinator
	Roy Hermanns (TUE)	Eva Bogelund (UNR)	Roy Hermanns (TUE)
<b>1. Do you accept this Deliverable as it is?</b>	Yes	Yes	Yes
<b>2. Is the Deliverable complete?</b> - All required chapters? - Use of relevant templates?	Yes	Yes	Yes
<b>3. Does the Deliverable correspond to the DoA?</b> - All relevant actions performed and reported?	Yes	Yes	Yes
<b>4. Is the Deliverable in line with the IDEALFUEL objectives?</b> - WP objectives - Task Objectives	Yes	Yes	Yes
<b>5. Is the technical quality sufficient?</b> - Inputs and assumptions correct/clear? - Data, calculations, and motivations correct/clear? - Outputs and conclusions correct/clear?	Yes	Yes	Yes
<b>6. Is created and potential IP identified and are protection measures in place?</b>	Yes	Yes	Yes
<b>7. Is the Risk Procedure followed and reported?</b>	Yes	Yes	Yes
<b>8. Is the reporting quality sufficient?</b> - Clear language - Clear argumentation - Consistency - Structure	Yes	Yes	Yes