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KEROGREEN

"Production of Sustainable aircraft grade Kerosene from water and air powered by Renewable Electricity, through the splitting of CO_2, syngas formation and Fischer-Tropsch synthesis"

Project No: 763909

Deliverable D7.5
KEROGREEN Summer school

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Dissemination level

Dissemination level		
PU	Public	**x**
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Deliverable Nature

Nature of Deliverable		
R	Report	**x**
P	Prototype	
D	Demonstrator	
O	Other	

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Changes with respect to the DoA

Issue	Comments
Date & Format of event	Remote event due to corona pandemic. Also, the date changed so we renamed it “winter school” instead of “summer school”

Document Control

Document version #	Date	Author	Comments
V1.0	13.05.2022	Sabine Müller	First draft - version for organisation committee
V1.1	30.05.2022	Sabine Müller	Minor information added – version for consortium
V1.2	23.06.2022	Sabine Müller	Few changes in annex – version for EU submission

Table of Contents

1 Introduction

The present deliverable reports on the winter school organised in the framework of the KEROGREEN project. The event was originally planned to be organised at KIT (as a physical event) during the summer 2021. However, due to the pandemic the event was held remotely on February 10 and 11, 2022. Therefore, it became a winter school instead of a summer school.

The focus of the event was on " Future directions in research on Power-to-X for sustainable chemicals & fuels".

2 Organisation and promotion

The winter school was initiated in September 2021 and mainly led by KEROGREEN representatives (KIT members). In order to increase the target size of participants and to create synergies we decided to co-organise the event with VTT representatives of the research projects BECCU and e-Fuel, as well as with the EERA JP Energy Storage represented by KEROGREEN coordinator Adelbert Goede (details regarding members of the organisation committee can be founded in the Event booklet attached as annex).

Several videoconferences were organised between September 2021 and February 2022 in order to discuss the content and define contributors. A dedicated SharePoint has been created for exchange of information/documents.

The main objective of the event was to give the opportunity to young researchers to present and discuss their research activities within the relevant research community. Therefore, the programme was mainly composed of short presentations from younger investigators. Also, the winter school included a special session dedicated to presentations from doctoral students from the EERA JPES network (EERA PhD day, second day afternoon), competing for a best contribution award. In addition, we included few key note presentations and overview presentations of organising research projects, as well as virtual visits of KIT and VTT labs. A complete overview of the programme with all speakers and presentation abstracts is provided in the event booklet (attached in annexe).

Regarding the EERA PhD contest, a dedicated jury (cf. booklet) has been set-up and rules / guidance for the evaluation has been defined. Both the quality of the presentation as well as the content itself were part of the evaluation.

The target audience of the event was doctoral students, post-docs and researchers in general, as well as private companies who want to learn more about the technologies and research methods and/or current research projects in the Power-to-X field.

Recruitment of speakers has been achieved using the individual networks of the initiatives co-organising the event (including project partners' networks). Promotion of the event itself has been done via a dedicated event-page on the KEROGREEN website as well as via websites from the co-organiser

https://www.e-fuel.fi/events/ ;
https://www.beccu.fi/events/ ;
https://www.eera-energystorage.eu/event/3096:eera-jp-es-sp2-phd-day.html.

3 Implementation

Around 75 persons from 9 different countries participated in the winter school. Most of the participants were from the research community, only few (around 4) from the industry.

In total, there were four official presentations of KEROGREEN related content.

- A. Goede from DIFFER
- M. Jacobs from VITO
- T. Stadler from KIT (PhD Day)
- S. Welzel from DIFFER

On the second day, the EERA PhD contest took place with four different presentations hold by EERA PhD students, including Tabea Stadler (KIT) presenting her work done within KEROGREEN. She finally won the contest with her presentation "Syngas Production in the KEROGREEN Process Chain: Development of a compact Sorption-Enhanced Water-Gas Shift Reactor." The prize includes a certificate as well as the funding by the EERA JP ES of an Open Access Publication of Tabea's work.

A lot of positive feedbacks have been received both regarding the content, as well as general implementation of the winter school.

Abstracts and public presentations have been shared after the event in a booklet which can be downloaded on the project's websites. Pictures (screen shots) of the event are also available on the event webpage.

4 Summary and conclusion

The event received a good interest from the main target group from several countries despite the pandemic and the linked online format. Fruitful discussions took place within the audience and especially with the young investigators which definitively will benefit from the event and maybe inspired for future research activities.

5 Annex: Event Booklet