



News relevant in a Danish context

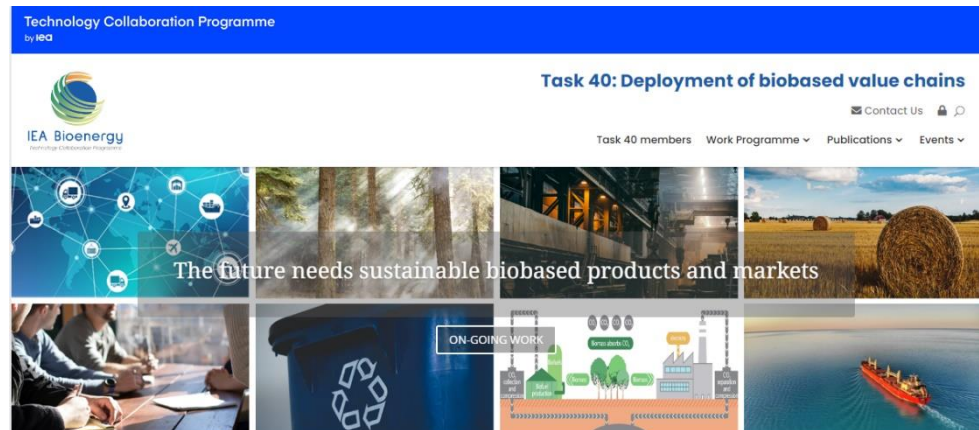


19.09.2023

## Dear recipient

With this second newsletter we aspire to provide Danish stakeholders access to knowledge from other IEA Bioenergy Task 40 member countries regarding developments in biomass trade, and the emergence and design of efficient value chains for biomass utilisation, particularly in terms of biomass deployment into new markets and sectors.

The newsletter, which is published in both Danish and English, will typically report on relevant activities such as Task 40 meetings, workshops, and publications, with focus on areas of particular interest for Danish stakeholders.



For more information on [IEA Bioenergy](#)<sup>i</sup>, the specifics of [Task 40](#)<sup>ii</sup>, or the various other IEA Bioenergy tasks, please see [issue 1](#)<sup>iii</sup> of this newsletter.

EUDP supports the work of individual tasks by paying the IEA Bioenergy task fee, as well as subsidising the work carried out by the Danish country representative, which for Task 40 is Christian Bang of Ea Energy Analyses.

## New Task 40 publications

During the first portion of the current triennium (2022-2024), a number of reports have been published with contributions from Task 40.

**Synthesis report of IEA Bioenergy Task 40 Regional Transitions project 1.0.** August 2023: [Regional transitions in existing bioenergy markets](#)<sup>iv</sup>. Within this project, Task 40 experts explored strategies for developing sustainable bio-based value chains in a regional dynamic market context. The focus was on feedstock supply chains, a cornerstone for the development of sustainable and reliable bio-based value chains.



**Deployment of BECCUS value chains in the United States.** January 2023: [A case study of sequestering CO<sub>2</sub> from ethanol production](#)<sup>v</sup>. The report was a contribution to the IEA Bioenergy inter-task project Deployment of BECCUS value chains. The case studies provide deeper insights into the key aspects that come into play for companies that are in the process of setting up value chains for capture, transportation and sequestration or utilisation of biogenic CO<sub>2</sub>.



**Deployment of BECCUS value chains.** November 2022. Synthesis report “[From concept to commercialisation](#)”. From 2019-2021, a consortium of IEA Bioenergy Tasks – Task 36, 40, 44 and 45 – collaborated on an inter-task project called Deployment of BECCUS value chains, led by Task 40. All in all, seven publications were produced. This report includes a summary and a synthesis of these individual studies, as well as a discussion and an outlook into questions to be further explored.

## Task 40 events during 2022-2024

**Technology advances in liquid biofuels and renewable gas.** Vienna, 17 October 2022 – Workshop organised by IEA Bioenergy in collaboration with the Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK) and BEST – Bioenergy and Sustainable Technologies GmbH. During the panel discussion “What is needed to accelerate the deployment of renewable gases”, Uwe Fritsche of Task 40 presented the [Key results of the “Renewable Gas” InterTask Project](#).<sup>vi</sup>

**Expert workshop – Deployment perspective of green hydrogen from biomass and green hydrogen use in bio-based processes.** Berlin, 29 March 2023, the workshop was organised and coordinated by IEA Bioenergy Task 40 in the frame of the Inter-Task project on “[Synergies of green hydrogen and bio-based value chains deployment](#)”<sup>vii</sup> in collaboration with IEA Bioenergy Tasks 32, 33, 34, 36, 37, 39, 42, 44, and 45.

The workshop was an expert meeting where different stakeholders from among others industry, academia and IEA groups were invited (29 experts and 9 guest speakers). The goal of the workshop was to describe possible value chains combining hydrogen production and deployment of hydrogen and bio-based processes for different bio-based end-products, including technologies at different development stages. All of the presentations can be found [here](#)<sup>viii</sup>

## Upcoming events

**Workshop on biomass combustion and CCUS.** Copenhagen, 21 September 2023. The online [workshop](#)<sup>ix</sup> is one of the first deliverables of the Management of Biogenic CO<sub>2</sub>: [BECCUS Inter-task Phase 2 project](#) (BECCUS 2.0 project). Organised by Task 32, the workshop aims at describing consequences of installing carbon capture technology at biomass and waste combustion units.



The workshop targets plant operators and will highlight experiences with the development of concrete European projects as well as results of project activities of the BECCUS 2.0 project. Results of a modelling case of installation of a full-scale CC facility at an existing large biomass CHP plant and a study of BECCUS options at smaller scale biomass combustion units will be highlighted.

Information on registration for online participation can be found [here](#)<sup>x</sup>.



**Bioenergy in a Net Zero Future.** Lyon, 19 October 2023 – [Workshop](#)<sup>xi</sup> organised by IEA Bioenergy in collaboration with ADEME, the French Agency for Ecological Transition.

This workshop aims to discuss the role of bioenergy in the transition to a carbon neutral energy system. In the morning sessions, the focus will be on policies and strategies to support the role of bioenergy in the energy transition. The afternoon sessions will consider the flexibility of bioenergy in the energy system, the use of biogenic CO<sub>2</sub> and promising developments in bioenergy concepts.

Christiane Hennig and Christian Bang from Task 40 are scheduled to hold presentations related to Bio CCS.

## Newsletter subscription and feedback

One of the main responsibilities for the Danish country representative is to disseminate relevant Task 40 news to Danish stakeholders. Stakeholders are also encouraged to provide feedback to Christian Bang in terms of desired focus areas or developments in the Danish deployment of biobased value chains (see contact details below).

Should you have colleagues or partners who might be interested in receiving this newsletter, you are very welcome to forward [this link](#)<sup>xii</sup>, where they can sign up.

If you no longer wish to receive this newsletter, please contact Christian Bang at [cb@eaea.dk](mailto:cb@eaea.dk), or via +45 60 39 17 17.

## Links:

<sup>i</sup> <https://www.ieabioenergy.com/>

<sup>ii</sup> <https://task40.ieabioenergy.com/>

<sup>iii</sup> [https://www.ea-energianalyse.dk/wp-content/uploads/2022/04/Task-40-Newsletter\\_UK\\_2022\\_03\\_31\\_issue-1.pdf](https://www.ea-energianalyse.dk/wp-content/uploads/2022/04/Task-40-Newsletter_UK_2022_03_31_issue-1.pdf)

<sup>iv</sup> [https://task40.ieabioenergy.com/wp-content/uploads/sites/29/2023/09/IEA-Bioenergy\\_Regional\\_Transitions\\_1.0-Synthesis-report\\_final\\_August-2023.pdf](https://task40.ieabioenergy.com/wp-content/uploads/sites/29/2023/09/IEA-Bioenergy_Regional_Transitions_1.0-Synthesis-report_final_August-2023.pdf)

<sup>v</sup> [https://task40.ieabioenergy.com/wp-content/uploads/sites/29/2023/02/BECCUS-1.0\\_US-Case-Study\\_final\\_update.pdf](https://task40.ieabioenergy.com/wp-content/uploads/sites/29/2023/02/BECCUS-1.0_US-Case-Study_final_update.pdf)

<sup>vi</sup> [https://www.ieabioenergy.com/wp-content/uploads/2022/10/1-6\\_Fritsche-IINAS.pdf](https://www.ieabioenergy.com/wp-content/uploads/2022/10/1-6_Fritsche-IINAS.pdf)

<sup>vii</sup> <https://task44.ieabioenergy.com/inter-task-project-on-hydrogen-and-bio-based-value-chains/>

<sup>viii</sup> <https://task44.ieabioenergy.com/ieaevent/expert-workshop-deployment-perspective-of-green-hydrogen-from-biomass-and-green-hydrogen-use-in-bio-based-processes/>

<sup>ix</sup> <https://www.ea-energianalyse.dk/en/workshop-on-biomass-combustion-and-ccus/>

<sup>x</sup> <https://task32.ieabioenergy.com/news/workshop-on-biomass-combustion-and-ccus-on-21st-september-2023/>

<sup>xi</sup> <https://www.ieabioenergy.com/blog/ieaevent/ws30-bioenergy-in-a-net-zero-future/>

<sup>xii</sup> <https://www.ea-energianalyse.dk/en/cases/iea-bioenergy-task-40/>