



**IEA Bioenergy**  
Technology Collaboration Programme

# Task 44 Workshop

## Flexibility Provision from Biogenic Gases

Wednesday, 23 November 2022

15:00 - 18:00 Central European Time  
09:00 - 12:00 Eastern Standard Time

### Moderator



**Jaap Kiel**  
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### Speakers



**Elina Maki**  
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**Tilman Schildhauer**  
Paul Scherrer  
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**Terese Schubert**  
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**Markus Jöcker**  
Siemens  
Sweden

## Introduction

Increasing shares of variable renewable energy (VRE) in the energy supply system create a demand for measures to provide flexibility at different time scales on a sustainable manner. At the same time, Russian invasion of Ukraine has strengthened the demand for sustainable domestic resources to guarantee security of supply in Europe. Bioenergy has inherent capability to provide both of these features as it can shift resources regarding time and place as well as between sectors. The workshop focuses on technical options and Best Practices to provide flexibility from biogenic gases through gasification, biogas and Power-to-X pathways, without forgetting links to renewable hydrogen and carbon capture and storage/use (BECCUS). IEA Bioenergy Task 44, in collaboration with Task 33 and Task 37, invites you to learn and discuss technical options to provide flexibility from biogenic gases, barriers and drivers for their implementation and end-user demands.

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