



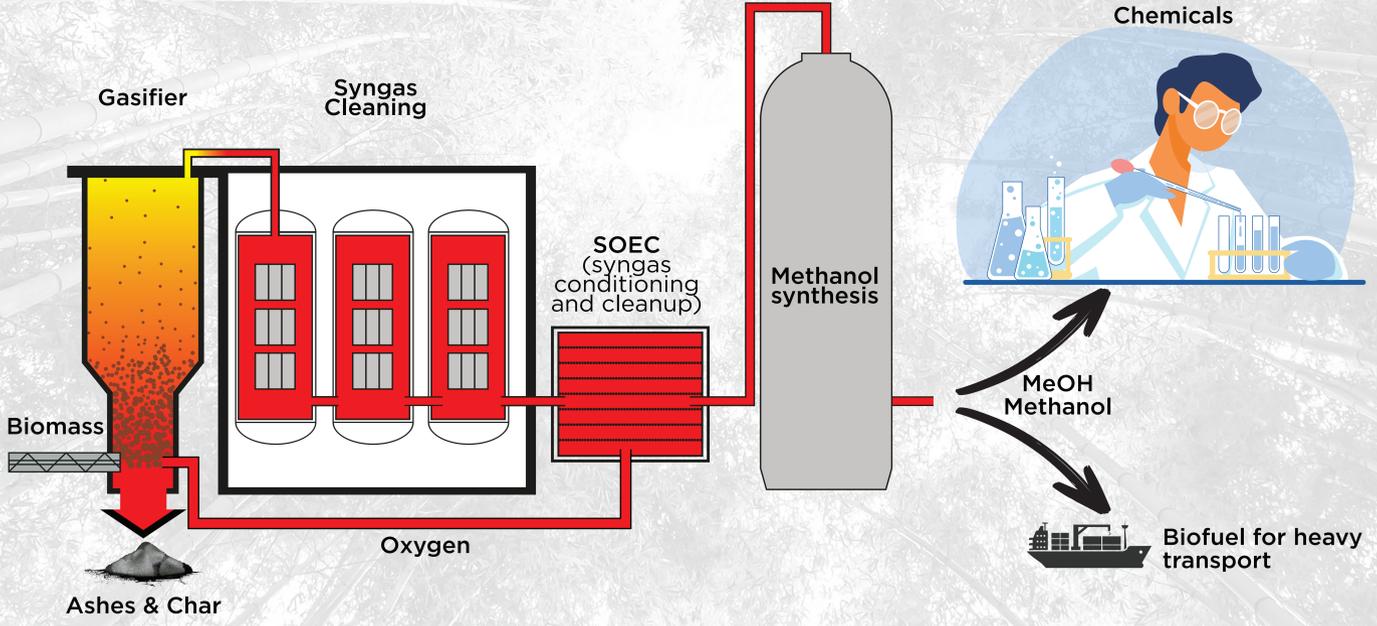
Biomass to bio/E-methanol by Breakthrough SOEC-based Process: the BeBOP innovation



BeBOP is a European project granted under Horizon Europe framework programme. It aims to industrially deploy a **disruptive, digital process-intensified, ultra-high resource efficient and flexible biomass power-to-methanol plant**, that can transform the chemical sector, while showcasing a **first-of-its-kind complete TRL6 pilot plant**, ready to be scaled-up and replicated by the European biomass-based industry.

BeBOP solution

BeBOP: a disruptive Power Biomass to X (**PBtX**) system.



- **Integrated SOEC for syngas upgrading**
Electrochemical separation of excess oxygen to enhance bio/e-methanol production
- **100% biogenic carbon usage**
Reduction of environmental impact & carbon footprint.
- **TRL6 pilot demonstration**
20 kW biomass to-methanol system at VTT (Finland)
- **Biomass flexibility**
Adapts to various feedstocks
- **Self-sustaining energy**
SOEC reversibility enables in-situ electricity production

CONTACT EMAILS
Project's Coordinator: Martina Fantini – fantini@eucore.eu
Additional contact: Irene Liverani – liverani@eucore.eu

WEBSITE



SOCIAL MEDIA



Funded by
the European Union

Funded by the European Union. This project has received funding from the European Union's Horizon Europe research and innovation programme under the Grant Agreement no. 101178117. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Health and Digital Executive Agency (HADEA). Neither the European Union nor the granting authority can be held responsible for them.

Starting date: 1st October, 2024
Project duration: 48 months
EU contribution: € 11 166 415,71 (Research and Innovation Action)
Number of participants: 12
Coordinator: EU CORE Consulting S.r.l.