

SusChem 2017 Brokerage Event

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« Novel Technological Pathways for Next Generation Biofuels »

Project Proposal



Centre for Research and Technology Hellas (CERTH)

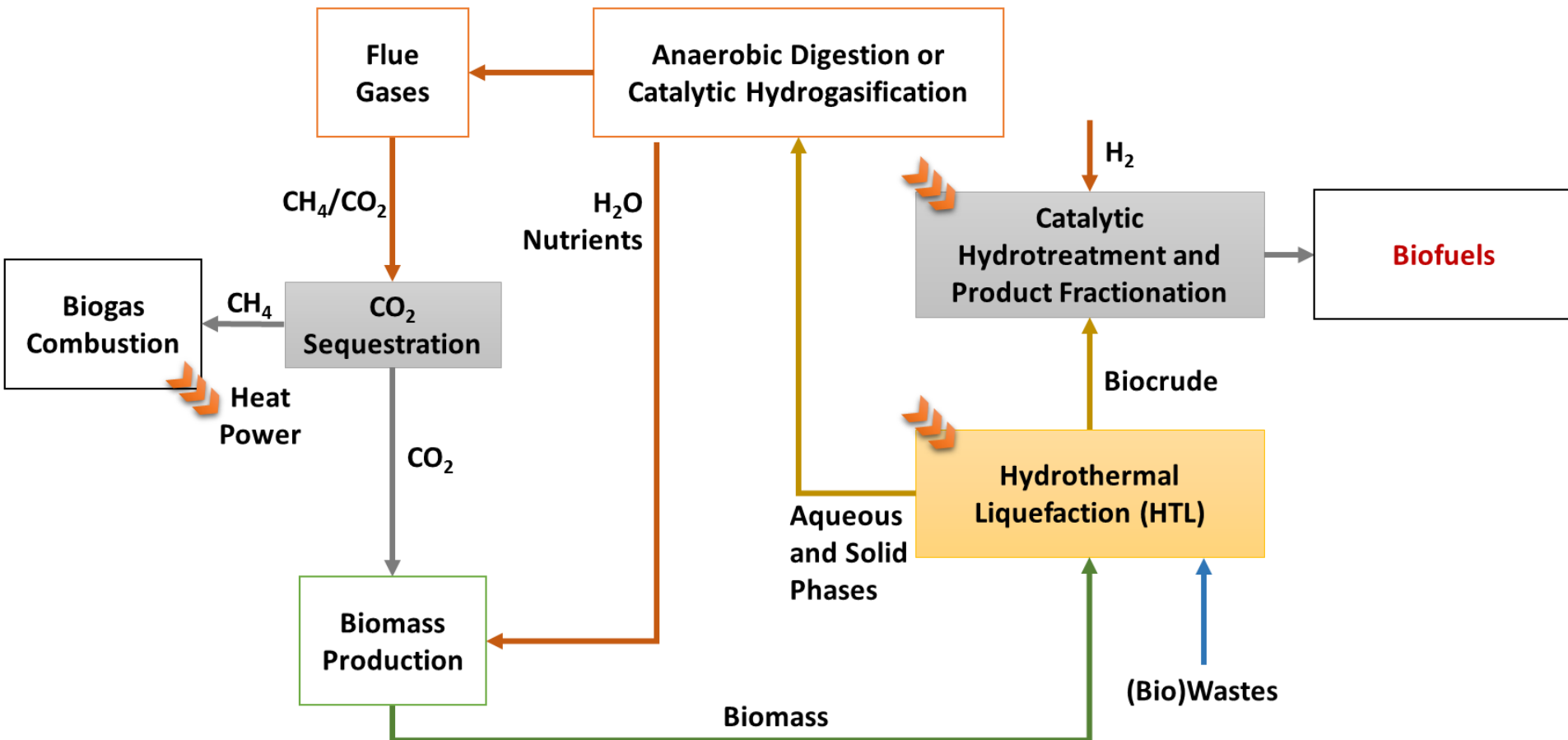
- Chemical Process and Energy Resources Institute (CPERI)
 - Professor Emeritus Costas Kiparissides



National Technical University of Athens (NTUA)

- School of Chemical Engineering (CHEMENG)
 - Professor Antonis Kokossis

Proposed Flow-sheet



LC-SC3-RES-20-2018: Development of next generation biofuels and alternative renewable fuel technologies for road transport

- Production of next generation drop-in transport biofuels via alternative technologies.
- Bioprocess intensification to maximize the conversion, minimize the cost and optimize the feedstock supply.
- Diesel- and gasoline-like biofuels from biomass and wastes through either chemical, biochemical and thermochemical pathways.
- **TRL 3 to 5.**
- Contribution from the EU: **EUR 3 to 5 million.**

LC-SC3-RES-21-2018: Demonstration of cost effective advanced biofuel pathways in retrofitted existing industrial installations

- Demonstration of advanced biofuel pathways to improve the economic viability and reduce the CAPEX and OPEX.
- Retrofitting of existing industrial installations to the proposed advanced biofuel pathway.
- Integration in existing fossil refineries at a large scale to demonstrate the economic feasibility.
- **TRL 5 to 7 (or higher).**
- Contribution from the EU: **EUR 8 to 10 million.**

- Development of innovative biofuel value chains.
- Technical and economic optimization of alternative biofuel technologies.
- Improvement of the performance of renewable fuels: efficiency, environmental and societal.
- Enhancement of the industrial installed capacity for advanced biofuels.
- Pave the way for the commercialization of advanced biofuels.

EXISTING PROJECT CONSORTIUM

#	Organization	Country	Type
1	PARTNER 1	Greece	RTO
2	PARTNER 2	Greece	RTO
3	PARTNER 3	Norway	RTO
4	PARTNER 4	Germany	RTO
5	PARTNER 5	Austria	Industry
6	PARTNER 6	Portugal	Industry
7	PARTNER 7	Germany	PNPA
...			
...	New Partners		
...			

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