

 Overall HYGCEL research presentation

HYGCEL project and result themes

Lappeenranta, May 22, 2024

Mari Tuomaala

HYGCEL – Hydrogen and carbon value chains in green electrification

- » LUT University (LUT)
- » Tampere University (TAU)
- » University of Eastern Finland (UEF)

- » Project time 1.1.2022 – 30.10.2024
- » Financed by Business Finland

- » Research budget 4,5 M€
- » Co-innovation consortium budget 10,5 M€

- » Altogether 17 consortium partners
- » Almost 80 participating researchers



With in kind contribution:
5th Innovation, Ucont, Bakelite, FennoSteel



HYGCEL was studying what are the most optimal PtX value chains for Finland and it was developing guidance about how to build the electricity -based infrastructure in Finland.

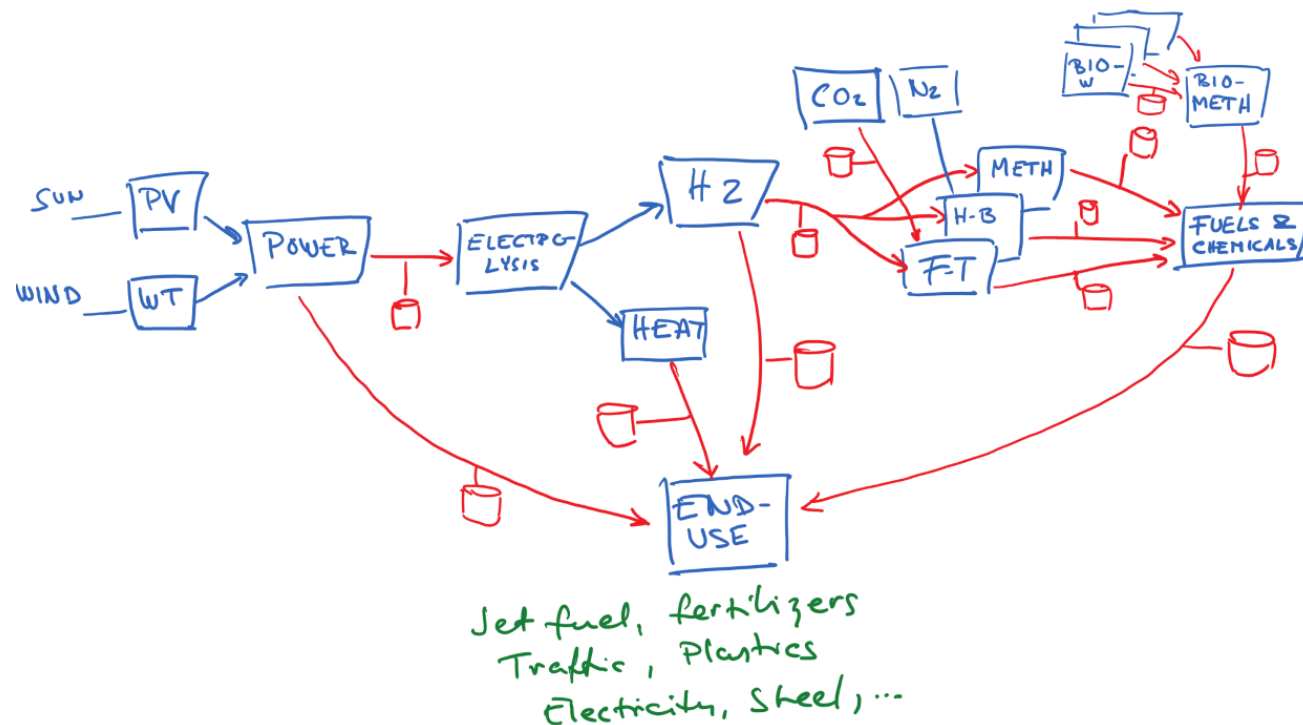


Figure: Matti Vilkkö, Tampere University

HYGCEL presentations organised in themes



Regulation	Challenges in the EU approach to hydrogen markets and regulation – presentation no. 2	WP1
Techno - economy	Resource potentials and regional imbalances in infrastructure development – presentation no. 3a	WP2
	Modelling of electricity, hydrogen, CO2, and end-products transportation - presentation no. 3b	WP3
		WP4
Sustainability and safety	Perspectives to sustainability, safety and profit sharing in green hydrogen value chains – presentation no. 3c	WP6
		WP1
Politics	Hydrogen value chains: Reflection of global policies for the Finnish Hydrogen economy - presentation no.4	WP1

These selected results were presented in seminar "Hydrogen economy in Finland: opportunities and challenges ahead" hosted by H2Cluster Finland and HYGCEL project, May 22nd, 2024.

