



# İSTANBUL PROJECT ACADEMY



MARMARA ÜNİVERSİTESİ  
İNNOVASYON VE TEKNOLOJİ  
TRANSFER UYGULAMA VE  
ARAŞTIRMA MERKEZİ







# **Horizon Europe Cluster 6:**

Food, Bioeconomy, Natural Resources,  
Agriculture and Environment Brokerage Event







**Project Idea / Field of Expertise :**

***Bioelectric systems for next generation biofuels and chemicals***

**Organisation Name:**

***University of Applied Sciences Western  
Switzerland  
Life Technologies Institute  
and Institute for Sustainable Energy***

**Addressed Topic(s) & Call(s):**

**DESTINATION 4: CLEAN ENVIRONMENT  
AND ZERO POLLUTION**



# HES-SO Valais

- HES-SO is a network of 28 sites of higher education.
- Quality and proficiency for applied research, development and innovation.
- Bioelectric Systems for Bio-Electricity, Biogas, Hydrogen and Fertilizers.



# Wastewater refining while cleaning wastewater



- Phosphate rock is a depleting resource and wastewater a sustainable long-term alternative for phosphorous mining. Recently developed bioelectrochemical reactors enabled phosphate recovery from sewage sludge containing FeP. The integrated bioelectric process was found of much broader utility than initially elaborated. It refines all principal components of wastewater.

*and/or*



- Bioelectric reactors for biogas, bioelectricity, and biohydrogen.

# Contact details



Contact person	Prof. Dr. Fabian Fischer
Organisation	HESSO Valais, University of Applied Sciences Western Switzerland
Address	Rue de l'Industrie 19, 1950 Sion, Switzerland
Phone	+41 58 606 86 58
E-mail	fabian.fischer@hevs.ch
B2Match profile	<a href="#">Horizon Europe Cluster 6 Online Brokerage Event   Participants (b2match.io)</a>
LinkedIn/Twitter	<a href="https://www.linkedin.com/in/fabian-fischer-2560a2203/">https://www.linkedin.com/in/fabian-fischer-2560a2203/</a>



# THANK YOU...



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