



**Clean Energy from Hydrogen-Metal Systems
– CleanHME –**

General Assembly Meeting of the Project Consortium supported by the EU grant 951974:

**FETPROACT-EIC-05-2019 Boosting emerging technologies
*Breakthrough zero-emissions energy generation for full decarbonization***

23.09.-24.09.2021, University of Uppsala, Sweden

The main aim of the project is to develop a new, clean, safe, compact and very efficient energy source based on Hydrogen-Metal systems, which could be a breakthrough for both private use as well as for industrial applications.

Organizers: Department of Analytic Chemistry, Uppsala University
Organizing Committee: Bo Höistad, Per Sjöberg, Jozef Zlomanczuk

Combination of the face-to-face conference and on-line participation (Zoom platform)

Conference Program:

Thursday, September 23

9:30 -10:00 Check in

Chair person: Bo Höistad

10:00 -10:05 Short introduction, Bo Höistad, Uppsala University

10:05-10:15 Welcome address, Helena Danielson Head of BMC Chemistry, Uppsala University

1. 10:15-10:45 Konrad Czerski, University of Szczecin, *Nuclear Reactions at Extremely Low Energies as New Energy Sources*. Introductory lecture, open to the general public on special zoom link.

10:45-10:55 Questions

10:55-11:15 Coffee break

2. 11:15-11:45 Jacques Ruer, SART von Rohr, *Assessment of energy release in cold fusion experiments: COP and Excess heat*

11:45-12:00 Discussion

3. 12:00-12:30 Dimiter Alexandrov, Lakehead University, *Recent experimental outcomes about interaction of deuterium with solid matter*, **On Zoom**

12:30-12:45 Discussion

12:45-13:35 Lunch at café Alma in the university building

Chair person: Natalia Targosz-Ślęczka

4. 13:35-14:05 Andras Kovac, Broadbit Energy Technologies, *Where exactly is the heat generated in LENR experiments?*

14:05-14.15 Discussion

5. 14:15-14:45 Alberto Carpinteri, *Politecnico di Torino, Correlation between nano-mechanics instabilities, sub-atomic particle emissions, and stoichiometric balances: Geophysics, Electrochemistry, Fluid Dynamics* , **On Zoom**

14:45-15:00 Discussion

6. 15:00-15:30 Jean-Paul Biberian, VEGATEC, *Presentation of Vegatec activities*

15:30 -15 45 Discussion

15:45-16:05 Coffee break

7. 16:05-16:35 Jozef Zlomanczuk, Uppsala university: *The Uppsala Calorimeter*

16:35-16:50 Discussion

8. 16:50-17:20 Guido Parchi, FutureOn, *AHEs, EM and neutron(?) emissions detected during D gas loading experiments in metallic powders"*

17:20-17:35 Discussion

19:15 Conference dinner at the student nation Västgöta Nation, Slottsgränd 12.

Friday, September 24

Chair person: Jozef Zlomanczuk

9. 9:30-09:55 Natalia Targosz-Ślęczka, University of Szczecin , *Study of LENR using linear accelerator under UHV conditions.*

09:55- 10:05 Discussion

10. 10:05-10:35 Francesco Celani, INFN, *Excess heat from electric stimulation of chemically prepared Constantan wires in hydrogen atmosphere*

10:35-10:45 Discussion

10:45-11:00 Coffee break

11:00-11.30 Konrad Czerski, with the EU project officer on zoom : a) Plans for the October 8 meeting.

11. 11:30-11:50 Bo Höistad, Uppsala University, *latest results from a run with Constantan fuel mixture in the Uppsala reactor*

11:50-12:00 Discussion

12:00-12:45 Annika Windahl Pontén, Uppsala University, Presentation of the Uppsala University and sightseeing of the university building

12:45-13:35 Lunch at café Alma in the university building

Chair person: Konrad Czerski

12. 13:35-14:00 Sveinn Ólafsson: *Experimental update on the Hydrogen Rydberg matter instrumentation at University of Iceland* , **On Zoom**

14:00-14:15 Discussion

13. 14:15-15:45 Matej Lipoglavšek, Institut Josef Stefan, *Electron screening in titanium.*

15:45-16:00 Discussion

16:00- 16:20 Coffee break

16:20 Open discussion of any kind of relevant matter.

17:00 Closing of the meeting

17:00 Visit to the Uppsala laboratory at Analytic Chemistry , BMC, Husargatan 3.

17:30 Bus transport to BMC