Grant Agreement number: 101101469

Project acronym: JUST-GREEN AFRIH2CA

Project title: Promoting a JUST transition to GREEN hydrogen in AFRICA

Type of action: Deployment of systemic solutions with the support of local clusters and the development of regional community-based innovation schemes

TRAINING EVENT

Kenya is currently one of AU frontrunner in terms of renewable energy production (thanks to relevant geothermal sources and on-going new investments on PV and wind). Thanks to its port infrastructure and its strategic position, it can become one of the most relevant African Hydrogen Hub also being a relevant export hub for both other African countries and Europe. Europe and Africa indeed have to jointly promote a hydrogen transition to boost sustainable economic development and a decarbonization of their economic sector. Kenyan and African green hydrogen transition could boost local economies development, that's why it's important that both EU and AU hydrogen policies and development roadmaps (as well as Kenyan ones) have to be conceived in a cross-fertilizing way. In this workshop key hydrogen actors from Kenya, Africa and Europe will dialogue to understand space of collaboration and development for mutual benefit for promotion of a green hydrogen based economy.

Nairobi, Thursday 15th February 2024 8.30 – 18.00

Venue

For PHYSICAL ATTENDANCE

B-04 Classroom

Sir Thomas More Building

MRQ7+Q8C, Keri Rd, Nairobi, Kenya

For VIRTUAL ATTENDANCE

The possibility to attend in a virtual way will be given to attendees

Training attendees

Project stakeholders: technicians, policy makers, investors, researchers…

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Time	Activity	Presenter
8.30 – 8.45	**Registration and networking**	
8.45 – 9.15	**Welcome and Opening the day** *Greetings from JUST GREEN AFRH2ICA coordinator and from Hosting Partner – brief presentation of the Project*	Prof. Izael Da Silva (STRATH) Stefano Barberis (UNIGE)
9.15 – 9.30	**Introduction of the Clean Hydrogen Partnership and of other Training/Capacity Building projects that could be relevant for the trainees**	Nikolaos Lymperopoulos (Clean Hydrogen Partnership)
	SESSION 1: Green Hydrogen technologies and opportunities	
9.30 – 10.15	**STATE OF THE ART OF GREEN HYDROGEN PRODUCTION TECHNOLOGIES AND POTENTIAL APPLICATION/OPPORTUNITIES FOR AFRICA**	Julie Mougin (CEA)
10.15 – 11.00	**STATE OF THE ART OF GREEN HYDROGEN USAGE TECHNOLOGIES AND POTENTIAL APPLICATION/OPPORTUNITIES FOR AFRICA**	Stefano Barberis (UNIGE)
11.00 - 11.15	**Networking Coffee Break**	
	SESSION 2: Creating hydrogen Ecosystems	
11.15 – 11.45	**SOCIO-ECONOMIC ASPECTS TO BE CONSIDERED ONCE DEVELOPING A GREEN HYDROGEN PROJECT**	Nienke Homan (IH-AHP)
11.45 – 12.15	**TECHNO-ECONOMICS OF GREEN HYDROGEN PRODUCTION: Main indicators to evaluate the economic viability of a project (Case study – how to calculate green hydrogen cost?)**	Loubna BOUSSELAMTI (IRESEN)
12.15 – 12.45	**Green Hydrogen Project Financing and Regulatory aspects**	Dr. Eng. Fenwicks Musonye (STRATH)
12.45 – 13.15	**Sustainability assessment of a green hydrogen project**	Javier Dufour (IME)
13.15 – 14.30	**Networking Lunch**	
	SESSION 3: Evaluating the impact of a green Hydrogen Project	
14.30 – 15.00	**HOW TO MODEL GREEN HYDROGEN POTENTIAL AND IMPACT**	Amin Lahnaoui (JULICH)
15.00 – 15.30	**WATER NEEDS AND ASSESSMENT OF A GREEN HYDROGEN PROJECT**	Cristian Berretta (STRATH) & Harrie-Jan Hendricks Franssen (JULICH)
15.30 – 16.00	**Hydrogen Hub approach for Africa: some case studies from JUST GREEN AFRH2ICA**	Philimon Modisha (NWU)
16.00 - 16.15	**Networking Coffee Break**	
	SESSION 4: Hydrogen Hub Team work	
16.15 – 16.30	**Presentation of the "TEAM WORK"**	Stefano Barberis (UNIGE)
16.30 – 17.30	**TEAM WORK**	
17.30 – 18.00	**Wrap up and presentation of the team work**	Cristian Berretta (STRATH)
18.00 – 19.00	**Drinks and networking**	

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