

Waste to Energy 2022 in New Delhi
14.00 to 14.30 15 November, 2022

EU-India Cooperation in Biofuels Sector The Scale-up of Production

Patrick CREHAN : Patrick.Crehan@cka.be



CKA is a Brussels based management consultancy specialised in the management of research and innovation. It employs Strategic Foresight as a change management tool to align research and innovation agendas with strategies for education, training, investment, economic and social development at national and regional level.

Mission Objectives

FOCUS on biofuel production

- For Marine Transport
- For Aviation
- From Biomass

SCOPE of Cooperation

- First generation biofuels are excluded
- Second Generation (agriculture and urban waste...)
- Third Generation Biofuels (algae...)
- Fourth Generation Biofuels (+ synthetic biology...)

DELIVERABLES

- Mapping of ongoing activities
- Recommendations for future work
- Inputs to G2G meeting planned for April 2024
- Co-financing arrangements

INSTRUMENTS for R+I (R+I+I) Cooperation

R+I+I = Research + Innovation + Impact

Horizon Europe

- HE D3-03-02 closes January 10, 2023
- HE D3-01-19 to close early 2024
- HE D3-01-20 to close early 2024
- ERASMUS

Other...

- Bilateral calls of EU member states
- Indian calls at national level
- Indian calls at state level

Timeline

PHASE 1

2022 09 15	Start
2022 09 19-21	Maritime Transport in Piraeus
2022 11 07	Ad Hoc WS1 on EU-India Coop Focus on systemic barriers Response to HE Call D3-03-02
2022 11 14-26	Mission to India Consult with MS Science Councillors Meet relevant Indian actors Meet EU and Indian companies in sector 2022 11 15-16 Waste to Energy (ND) 2022 11 17-18 Bangalore Tech Summit (BLR)
2022 12 TBD	Ad Hoc WS2 on EU-India Cooperation Focus on Draft Roadmap
2023 01 10	D3-03-02 CLOSES Best practice in SCALING of production Systemic barriers throughout SUPPLY CHAIN

PHASE 2

2022 12 TBD	Launch of calls to close in 2024 D3-1-19 integrated biofuel production D3-1-20 synthetic biology and solar fuels
2022 01 TBD	Ad Hoc WS3 on EU-India Cooperation Mapping Roadmap for future collaboration
2022 01-03	Awareness event EU Awareness event India 3 B2B partnering activities

PHASE 3

2022 04 TBD	G2G event in India
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ewaba
European Waste-based & Advanced Biofuels Association

Producing future fuels today

Actively contributing to the decarbonisation of EU road and maritime transport.

[Check out our campaign on ReFuelEU here](#)

Feedback

#EUCitiesSaveEnergy

Emergency energy saving measures by cities, for cities.

Join the Cities Energy Saving Sprint!



11,077

Signatories



341,213,729

Inhabitants

[View Covenant in Figures](#)

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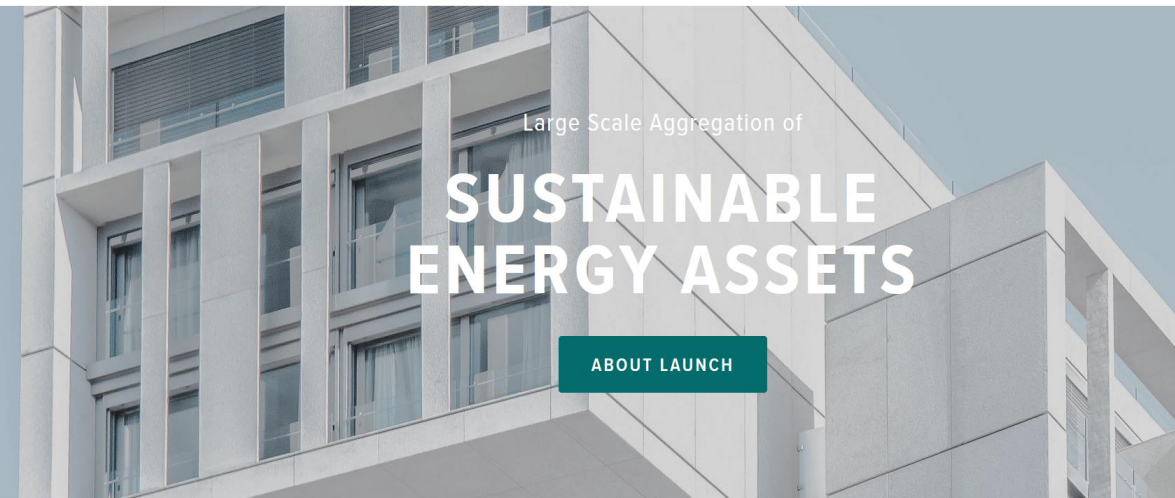
A wide-angle photograph of the Vienna skyline, featuring the prominent Ferris wheel (Prater Riesenrad) in the foreground and various city buildings and the St. Stephen's Cathedral spire in the background under a cloudy sky.

VIENNA

[EN](#) [DE](#)

Vienna has started integrating energy aspects in relevant strategies and activities throughout the city in recent years. Thanks to the efforts of the Department for Energy Planning, energy

Vienna has started a big step for energy transition last year with the introduction of binding energy zoning plans. The city is currently defining zones – so called “climate protection areas” – in



Large Scale Aggregation of
SUSTAINABLE ENERGY ASSETS

[ABOUT LAUNCH](#)

What is LAUNCH?

LAUNCH is a EU H2020-funded project that aims to accelerate deal closure and pipeline growth for Sustainable Energy Assets



Scaling up the energy efficiency market



Creating a Sustainable Energy Finance Ecosystem

About SEFA

The Sustainable Energy Finance Association (SEFA) is an industry group that represents the clean energy ecosystem in Europe.





Welcome to PROSPECT+

Capacity building for cities and regions

Horizon Europe D3-03-02 Deadline January 10, 2023

Develop “best international practice for scaling up sustainable biofuels” to TLR 4 or 5.

.Total funding available is €9M (for EU partners...)

.Up to 3 proposals may be funded

SCOPE...

.Proposals will aim at fostering international cooperation to **develop best practices and concepts along the entire value chain** for accelerating the scale-up of sustainable biofuels worldwide,

... should **ADDRESS SYSTEMIC CONSTRAINTS** and opportunities for scaling up complete value chains of sustainable biofuels and propose solutions (**TL4 or TLR5**),

... should enhance overall cost-effectiveness and sustainability of large-scale production of sustainable biofuels based on Life Cycle Analysis addressing **social, economic, and environmental** aspects;

.Any sustainable non-food/feed biomass feedstock and any innovative technology or combinations of them should be considered.

.International cooperation with Mission Innovation countries is expected.

EXPECTED OUTCOMES...

Project results are expected to contribute to some of the following expected outcomes:

- Build global knowledge for the scaling-up and the sustainability assessment of sustainable biofuels value chains.
- Contribute to cost-effective and more sustainable large-scale production of sustainable biofuels.
- Contribute to [Mission Innovation Challenge Number 4 Sustainable Biofuels](#)
- Contribute to the SET Plan Action 8 Bioenergy and Renewable Fuels for Sustainable Transport.
- Accelerate capacity building for sustainable biofuels in the world.
- Develop networks for skill development and knowledge sharing in sustainable biofuels value chains worldwide.

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