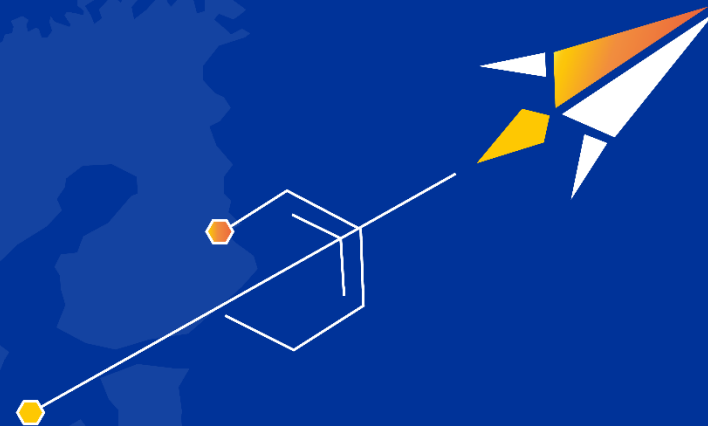
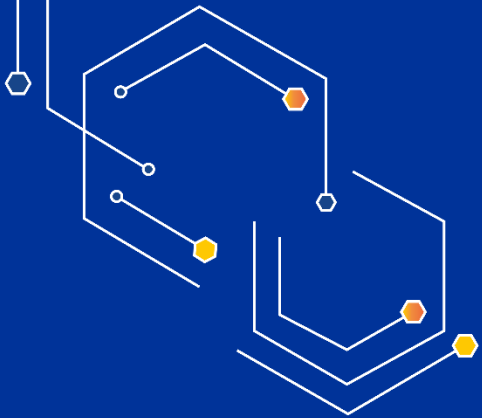




European Innovation Council (EIC) and SMEs

Executive Agency (EISMEA)

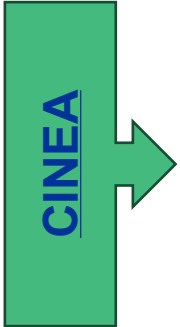
Anna Sibilla

*anna.sibilla@ec.europa.
eu*

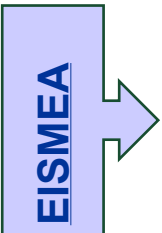


European
Commission |

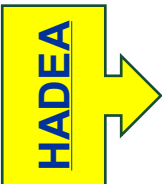
EU PROGRAMMES & SUSTAINABILITY



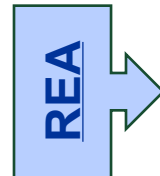
- **HORIZON EUROPE** in particular cluster 2: Energy, Climate, Transport
- **Connecting Europe Facility for Energy (CEF Energy)**
- **EU Renewable Energy Financing Mechanism**
- **LIFE - Clean Energy Transition**
- **Innovation Fund**
- **Connecting Europe Facility for Transport (CEF Transport)**



- **HORIZON EUROPE**, cluster 3 and in particular the **EIC Pathfinder – Transition – Accelerator + EU Innovation Ecosystems**
- **Interregional Innovation Investments (I3) Instrument**
- **SINGLE MARKET PROGRAMME**, including the **ENTERPRISE EUROPE NETWORK** initiative



- **Digital Europe Programme**
- **Connecting Europe Facility, Digital**



- **Marie Skłodowska-Curie Actions**

Support and Help: (Horizon) [National Contact Points](#) & [Enterprise Europe Network](#)



Case story: H2Steel



PARTNERS

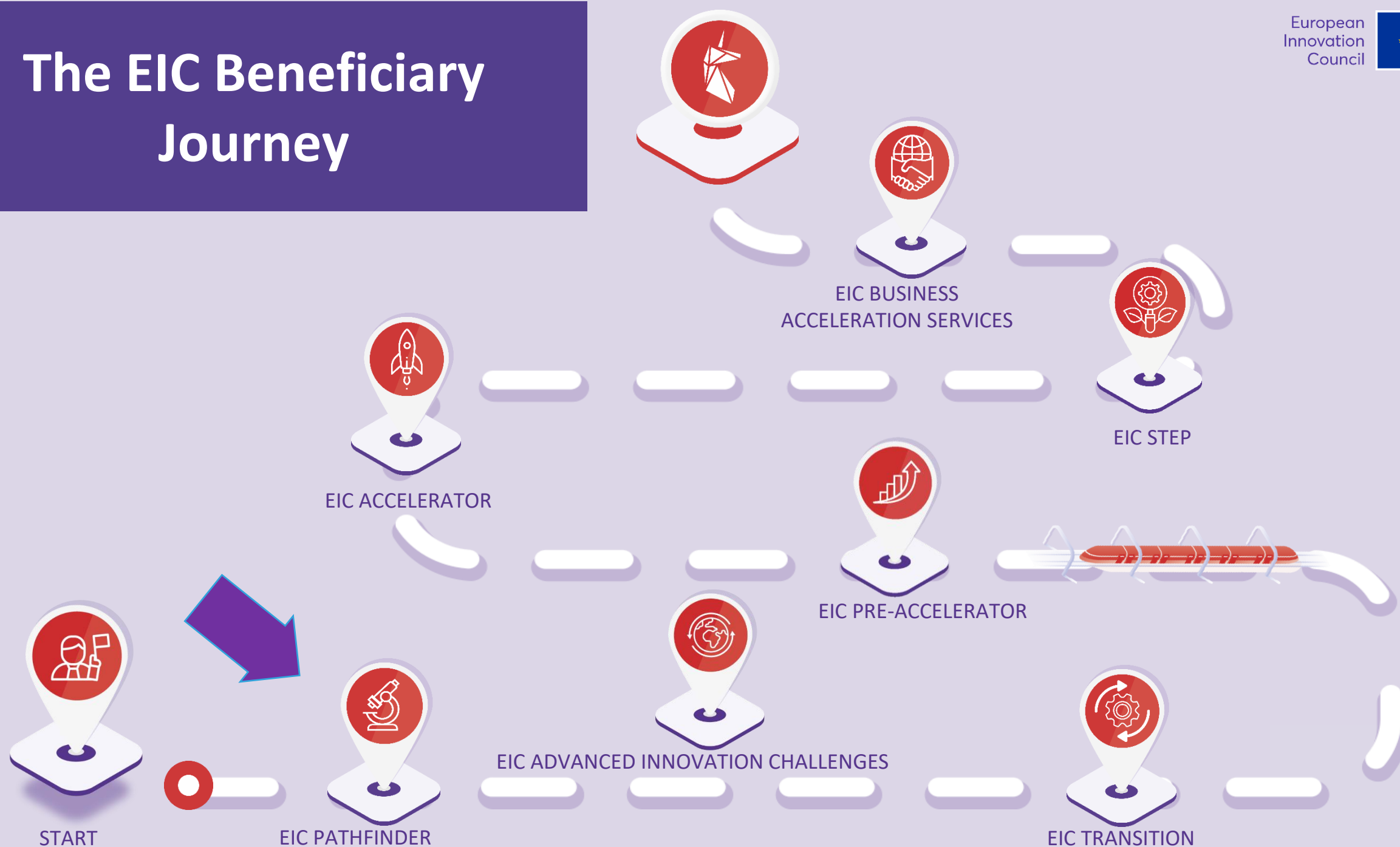


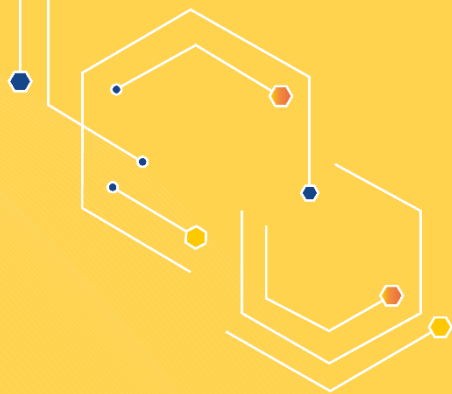
Green H2 and circular bio-coal from biowaste for cost-competitive sustainable Steel

OBJECTIVES

- 1 Production, testing and validation of a carbon-based catalyst of biomethane obtained by pyrolysis of digestate and recovery of Critical Raw Material (CRM)
- 2 Validation and parametric optimization of the new catalytic biomethane pyrolysis process in ad-hoc POC unit.
- 3 Testing and validation of obtained products as bio coal for steel sector.
- 4 Assessment of H2STEEL Green House Gas (GHG) savings and raw materials use and recovery.
- 5 Assessment of H2STEEL Economics and role on the life quality of EU and non-EU citizens.
- 6 H2STEEL impact assessment on Sustainable Development Goals (SDGs).
- 7 Placing H2STEEL in the context of EU Fit-For-55 package and global sustainability targets.
- 8 Facilitate H2STEEL concept acceptance for industrial stakeholders.
- 9 Determination of the economic feasibility of a first H2STEEL case study.
- 10 Map the EU regulations impacting on H2STEEL concept commercialization.

The EIC Beneficiary Journey





Thank you

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