



THREE MAIN APPROACHES



Capitalization of existing tools and Hydrogen experiences in Africa and Europe



A robust participatory approach



Boost green hydrogen in Africa via a JUST TRANSITION Approach

PROMOTING A JUST TRANSITION TO GREEN HYDROGEN IN AFRICA

Africa has a unique potential to exploit low cost renewable energy to produce green hydrogen for domestic and external markets.

Green Hydrogen could become indeed the booster of a sustainable development of the continent, enabling African countries to reduce their environmental impact as well as to make them less dependent to fossil fuels which can create geopolitical issues too.

African green hydrogen development could be helpful for European hydrogen transition, that's why it's important that both EU and AU hydrogen policies and development roadmaps are conceived in a cross-fertilizing way.

AMBITION

Africa has a growing population of nearly 1.3 billion, with an average annual increase rate of 2.5% for the last 10 years. The growing population directly implies growing demand for energy and expanded infrastructure to match the growth. The overall sustainable development of Africa and indeed the global effort to reduce climate degradation will stem from a holistic energy system driven by renewable energy (RES), requiring joint efforts and partnership across borders/continents in order to find feasible climate-friendly solutions.

In this sense, JUST GREEN AFRH2ICA will put together AU-EU experiences to explore the potential of green H₂ (and its derivatives) as key energy vector and energy option in a joint effort to make both AU-EU sustainable at environmental and social level.

AIM

JUST GREEN AFRH2ICA aims to develop a GREEN HYDROGEN JUST TRANSITION ROADMAP that would make African-European transition pathways to H₂ synergic, sustainable and avoiding any "Africa hydrogen colonization", but promoting a mutual benefit collaboration of the two continents towards the development of independent and collaborative hydrogen economies, R&D ecosystem and value chains.

To do so, JUST GREEN AFRH2ICA involves key partners from EU and AU side at association (AHP and HYDROGEN EUROPE1), Academia and RTOs and policy making level. JUST GREEN AFRH2ICA aims indeed to be the "stepping stone" of a collaborative hydrogen roadmap that, based on the analysis of different AU green H₂ scenarios at socio-economic-technical level via partners' tools.

THREE MAIN ACTIVITIES



Green hydrogen scenario development, simulation and multi-impact assessment



Training, capacity building and stakeholders matchmaking



Technology – policy – investment roadmap

AFRICA

PARTNER



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