



Ivoire Hydrogène

iH2 CAP 2023

« Together for the hydrogen and soccer festival in Africa! »



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1. Who are we ?



iH2 - IVOIRE HYDROGENE is a private company based in Ivory Coast, that is specialized in the development of the hydrogen in Africa. its mission is to democratize the use of hydrogen in mobility, construction, industry and energy on the African continent.

iH2 - IVOIRE HYDROGENE is a pioneering member of the AHP which dedicated to the development of green and natural hydrogen, fuel cell technology and related business opportunities in Africa.



(The African Hydrogen Partnership
Trade Association)

iH2 - IVOIRE HYDROGENE is a signatory of the United Nations Global Compact, the world's largest corporate sustainability initiative, based on ten principles to be respected in the areas of human rights, labor rights, the environment and the fight against corruption.



2. Presentation of the iH2 CAP 2023 project



During the **2023 African Cup of Nations (CAN2023)**, iH2 - IVOIRE HYDROGENE plans to raise awareness about the opportunities offered by hydrogen and the challenges of sustainable development by installing **the first hydrogen demonstrator in Ivory Coast**

We also plan to organise **hydrogen training and awareness stands** in African schools and universities and the **first hydrogen show in West Africa**.



Finally, we intend **to launch a survey among manufacturers** to measure their acceptability of hydrogen projects, and contribute to accelerate the development of hydrogen and a faster green energy transition in Africa.



3.The different scenarios of iH2 CAP 2023

Scenario A

- Installation of a hydrogen generator;
- Organization of hydrogen training in primary, secondary schools and universities;
- Industry surveys.

Scenario B

- Installation of a hydrogen generator;
- Retrofit of vehicles to hydrogen vehicles;
- Organization of hydrogen training in primary, secondary schools and universities;
- Industry surveys.

Scenario C

- Installation of a hydrogen generator;
- Retrofit of vehicles to hydrogen vehicles;
- Installation of an electrolyser
- Installation of a hydrogen station
- Organization of hydrogen training in primary, secondary schools and universities;
- Industry surveys.

Depending on the funds available and the different partnerships we have, we will decide which of the three scenarios to implement.



4. Expected impact of the project

Scenario A

- The demonstrator will be used to accommodate more than 100 visitors/day;
- Train more than 2000 hydrogen students in about 30 schools, universities and high schools in Ivory Coast ;
- Train more than 1000 students in the rest of Africa;
- The project will offer a unique experience to local citizens and visitors from other African countries participating (17 different nationalities) in the CAN 2023.

Scenario B

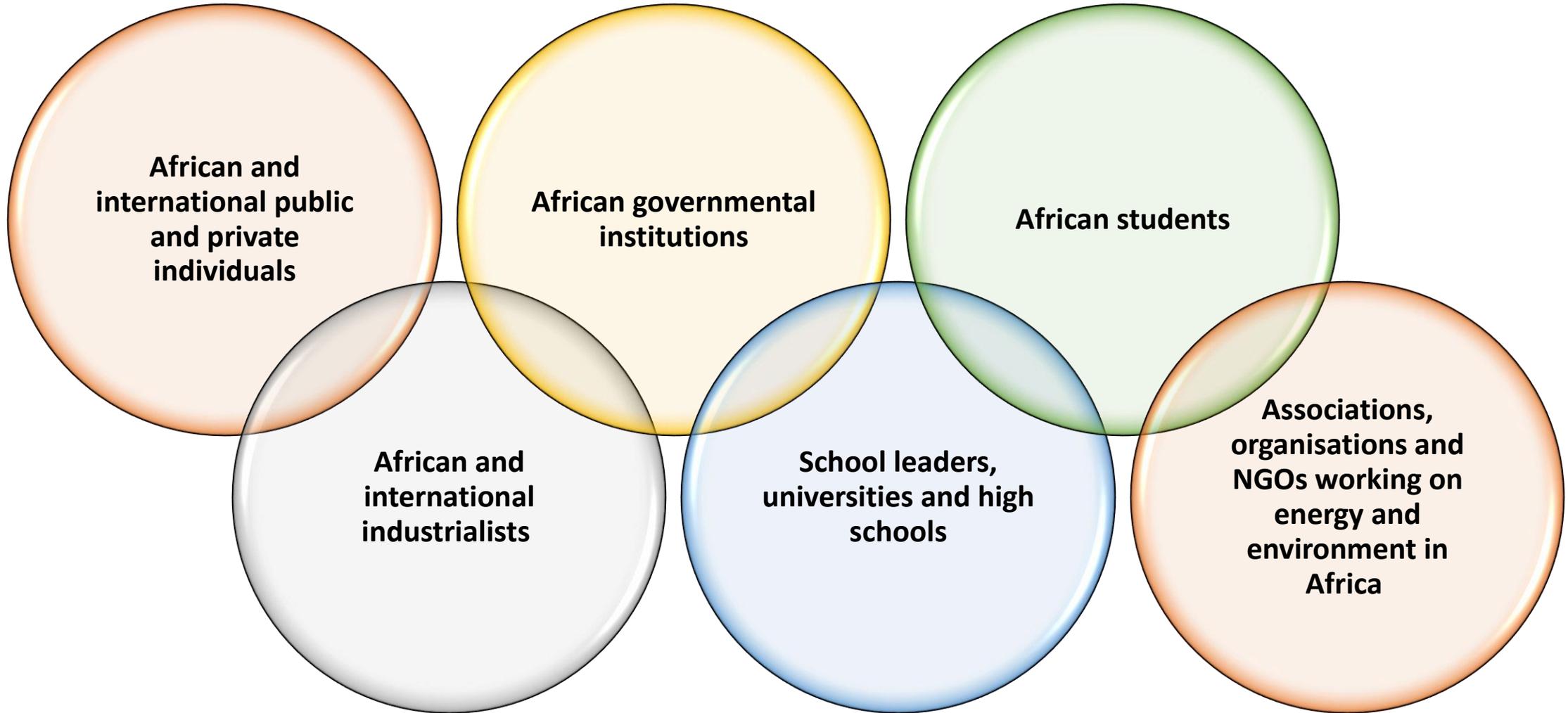
- A bus of about 30 people making at least 4 rounds per day;
- The demonstrator will be used to accommodate more than 100 visitors/day;
- Train more than 2000 hydrogen students in about 30 schools, universities and high schools in Ivory Coast ;
- Train more than 1000 students in the rest of Africa;
- The project will offer a unique experience to local citizens and visitors from other African countries participating.

Scenario C

- We estimate that our hydrogen station will receive 200 visitors per day, which makes 6000 visitors for the whole period of the CAN.
- A bus of about 30 people making at least 4 rounds per day;
- The demonstrator will be used to accommodate more than 100 visitors/day;
- Train more than 2000 hydrogen students in about 30 schools, universities and high schools in Ivory Coast ;
- Train more than 1000 students in the rest of Africa;
- The project will offer a unique experience to local citizens and visitors from other African countries participating.



5.Target groups



6. Outcomes of the project



Integration of hydrogen training modules or creation of hydrogen specialties in the academic programs of several African schools and universities



The development of hydrogen and a faster green energy transition in Africa



The adoption of hydrogen technologies by industry to reduce their carbon footprint

The adoption and use of new hydrogen technologies such as hydrogen vehicles, hydrogen public transport, fuel cells for energy storage, etc...



Better understanding and acceptability of hydrogen projects by citizens, industrialists and institutions



6. Partners



Join us !

