Ivoire Hydrogène

iH2 CAP 2023

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

Contents

1.Who are we ?

iH2 - IVOIRE HYDROGENE is a private company based in Côte d'Ivoire, 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 **A**frican **H**ydrogen **P**artnership Trade Association)

iH2 - IVOIRE HYDROGENE is a member of the **COCAN Business club**, a platform enabling the exchange with national and international economic actors in order to actively contribute to the organization of the CAN 2023 in Côte d'Ivoire.

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 Côte d'Ivoire**.

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 Côte d'Ivoire;
- 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.

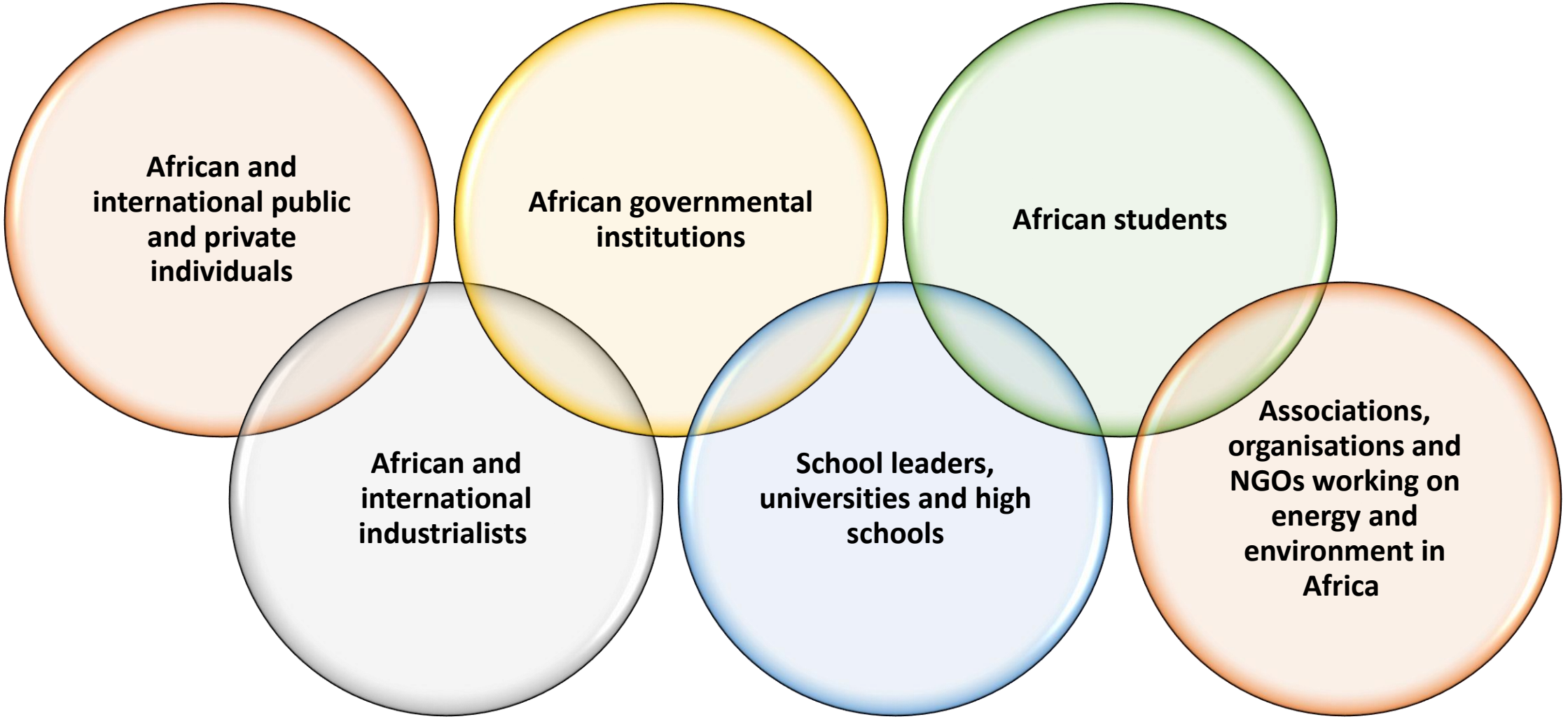
Scenario B

- 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 Côte d'Ivoire;
- 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 Côte d'Ivoire;
- 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

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

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...

6. Partners

MOHAMMED VI POLYTECHNIC UNIVERSITY

WASCAL West African Science Service Centre on Climate Change and Adapted Land Use

Join us !

UNIVERSITÉ DE GABÈS
University of Gabes جامعة قابس

MAScIR Moroccan Foundation for Advanced Science, Innovation and Research