

## **Pr. Nouredine Yassaa**

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### **Biography**

Dr. Yassaa Nouredine is the Commissioner for Renewable Energy and Energy Efficiency in Algeria, Professor at University of Science and Technology Houari Boumediene and the former Director of the Centre for Renewable Energy Development. A Bureau Member of the UN Intergovernmental Panel on Climate Change (IPCC) and Member of Board of Trustees of the Regional Center for Renewable Energy and Energy Efficiency (RCREEE), Dr. Yassaa serves in a number of national, regional and international committees on Renewable Energy, Energy Efficiency, Environment, Climate Change, Energy Transition and Sustainable Development. Prof. Yassaa is author and co-author of more than 70 peer-reviewed international scientific publications, member of editorial boards of several international scientific journals and manager of national and international research projects. He has received national and international awards. In 2010, he received the first CHEMRAWN VII (Chemical Research Applied for World Needs) Prize for Atmospheric and Green Chemistry from the International Union for Pure and Applied Chemistry.

### **Plenary Title:**

*“The Algerian Roadmap for Hydrogen Development”*

### **Abstract**

The roadmap for the development of clean hydrogen (blue and green) in Algeria, reflects the firm will of the government to accelerate the energy transition, and illustrates the vision of the highest authorities of the country for the development of a diversified and sustainable economy.

It presents the main axes of the national strategy for the development of hydrogen to ensure the harmonious development of the “Hydrogen” sector. This sector is part of the Government's



action plan for the implementation of the program of the President of the Republic as a strategic axis and lever for sustainable economic, social and environmental development.

This roadmap gives national and international players the necessary visibility regarding the policies, regulations and incentive measures to be adopted by the public authorities for the deployment of the hydrogen sector in our country.

Clean hydrogen, produced from renewable energies, constitute the future way for the large-scale development of renewable energies, particularly those of an intermittent nature such as solar and wind since it represents a well-suited means of storage of the surpluses of the produced electricity through their conversion into gas, thus benefiting from the existence of means of transport, transformation and distribution which are dedicated to conventional energy resources (oil pipeline, gas pipeline , tanker...).

Clean hydrogen is also a clean fuel in heavy transport and industrial sectors such as glass manufacturing, phytosanitary products, chemical and fertilizer industries, refining, steel and cement works.

The establishment of a Hydrogen sector in Algeria will contribute, in the medium and long term, to the acceleration of the energy transition, to the strengthening of the country's energy security, and will allow the country to participate in the global effort to combat against climate change.

The different stages of the Algerian Roadmap for Hydrogen Development will be presented along with the targeted actions and objectives.