



SUSTAINABLE ENERGY FOR AFRICA (SE4A 2021)

International conference co-organized by the Benin National Academy of Sciences, Arts and Letters and the Royal Academy for Overseas Sciences of Belgium



Académie Royale des Sciences d'Outre-Mer
Koninklijke Academie voor Overzeese Wetenschappen

8-11 November 2021, Cotonou, Benin



SE4A conferences bring together a large number of scientific, technological, industrial and political experts and deciders from Africa and Europe, from the public and private sectors, who are interested in energy-climate issues in Africa.

The expected outcome of this conference is:

- present the state of the art of energy techniques, strategies and policies relevant for Africa
- jointly design a response adapted to the energy-climate challenges specific to Africa, based in particular on research, innovation and education,
- focus on international cooperation (South-South, West-East and North-South) in this area, in particular by exploring different funding mechanisms,
- provide an opportunity for African youth to participate in scientific debates and engage in actions concerning improvements in the energy-climate sector.

The main topics to be discussed are:

- **Day 1:** Energy is crucial for achieving the Sustainable Development in Africa
 - (1) Energy access and social & economic development policies and projects
 - (2) Energy systems that are secure, sustainable, competitive and affordable for all
- **Day 2:** Energy value chain (including conversion technologies and energy services)
 - (3) Power and storage technologies, to provide energy services for all
 - (4) Power system development, economics and sustainability in the electricity grid and heating/cooling sectors to the benefit of all citizens
- **Day 3:** Research, innovation & education in connection with the energy-intensive sectors
 - (5) Role of scientific resources and capacity building to meet the needs of emerging countries
- **Day 4** will be devoted to 6 parallel training seminars:
 - (1) Energy, climate and sustainable development in Africa,
 - (2) Solar energy,
 - (3) Modular energy production,
 - (4) Small hydropower plants,
 - (5) Role of scientific resources and capacity building and
 - (6) Innovative financing mechanisms.

