

CALL FOR PAPERS

International Conference

SUSTAINABLE ENERGY FOR AFRICA 2021



Cotonou, Benin, 8 - 11 November 2021



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



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The second edition of the international conference “**Sustainable Energy for Africa**” - SE4A 2021 - jointly organized by the Royal Academy for Overseas Sciences of Belgium (KAOW-ARSOM) and the Benin National Academy of Sciences, Arts and Letters (ANSALB) will take place in Cotonou, Benin, from Monday 8 to Thursday 11 November 2021.

The aim of the conference is to bring together a large number of scientific, industrial and political experts from Africa and Europe, from the public and private sectors, to report on the latest developments and discuss joint actions in the energy - climate sector in Africa.

The following topics will be discussed during the first three days of the conference:

— Energy is crucial for achieving the Sustainable Development Goals in Africa:

(1) Energy access and social & economic development are primary drivers (“Agenda 2030”, UN 2015 and “AGENDA 2063 - The Africa We Want”, AU 2015);

(2) Energy systems that are secure, sustainable, competitive and affordable for all (while minimising raw materials and energy used in all transformation processes);

— Energy value chain (including conversion technologies and energy services):

(3) Power and storage technologies, aiming at providing energy services for all (while optimising efficiency, from households to industry, from kWh to TWh);

(4) Power system development and economics (sustainability in the electricity grid and heating/cooling sectors) - how can Africa's natural resources benefit all citizens?;

— Research, innovation & education in connection with the energy-intensive sectors:

(5) Explore the role of scientific resources and capacity building as a response to the needs of emerging countries in the sectors of transport, residential, industry, services.

The fourth day will be devoted to seminars with the aim of transferring knowledge and skills in areas such as 1) Energy, climate and sustainable development in Africa, 2) Solar energy, 3) Modular energy production and cogeneration plants (heat - electricity), 4) Small hydropower plants, 5) Scientific resources and capacity building as a response to needs of emerging countries in the sectors of transport, residential, industry and services, 6) Financing mechanisms for the energy sector in Africa.

The expected outcome of this conference is:

- 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 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 in the energy-climate sector.

Keynotes will be presented in plenary session for 20 minutes, preferably in English. Sufficient time will be allocated for questions and answers with the audience. Poster authors will have the opportunity to present their work in plenary for three minutes in English or French. All conference documents (invited papers and posters) will be peer reviewed before being presented at the conference and then published in the proceedings.

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Participants are invited to submit abstracts for a plenary lecture or a poster presentation related to one of the five mentioned domains.

Abstract submission

Abstracts (max. 500 words - 12 point font) + short biographical (max. 250 words) note should preferably be submitted in English. Please use the template available on the website:

<http://www.se4a.africa>

Deadlines

Submission of abstracts: 31 March 2021

Author Notification: 31 May 2021

Full Paper (camera ready version): 31 August 2021

Award for the Best Poster

During the conference, the posters will be evaluated in terms of scientific content, structure and formatting, text and visuals, oral delivery and response to questions.

Secretariat of the International Conference

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