

Letters of Interest Submission



Contribution ID: 18

Type: **not specified**

Physics Energy Improvement and Application for New Africa

Letter of Interest Diouma KOBOR

What Orientation for Energy Research and Education for Africa: Contribution of AU

The fundamental problem of education and Research in Africa, particularly in strategic domains, is that there is no independent fund, funded by African countries to support strategic areas to be defined in collaboration with researchers and stake-holders.

For me, important decisions must be taken by the AU for total independence in terms of funding research in certain strategic areas for the continent in a world in perpetual competition. It's about:

- Set up an Autonomous Geostrategic Research Fund fully funded by AU member countries (at least a contribution of 30,000,000 Euro / year / country is mandatory to benefit from it), The participation of international firms present in Africa is compulsory with a percentage to be levied in the form of a tax.
- Decline the strategic areas including those of energy: Solar Energy, Civil Nuclear Energy, Bioenergy, Energy and Health, Energy and Industries, Energy and Transport, Energy and Education, Exploitation of Energy Resources, Local Materials for Energy, Technological Innovation in Energy, Energy and Mining and Natural Resources, Energy and Biotechnology, Energy and IT, Energy and Space and Energy and Army (military equipment) etc ...

The orientations of education and research in Physics in the field of energies must have applications in key sectors such as transport with the least impact on the environment. Personally, I think that Africa must orient itself more towards the inexhaustible resources at its disposal to be at the top:

- Use Renewable Energies for the African railway sector
- Use renewable energies to facilitate rural access to health care and diagnostics
- Use fossil fuels to strengthen industries and renewable energy manufacturing units
- Use fossil fuels to support energy efficiency in certain sectors such as Building materials (clay bricks, tiles, etc...) and solar PV fabrication etc ...

Primary Category

Energy

Secondary Category

Condensed Matter & Materials Physics

Subgroup categories

NONE

Did you / will you submit this LOI to another category?

NO

Additional Information

LOI for Energy Group and its Application

Primary author: KOBOR, Diouma (University Assane Seck of Ziguinchor (UASZ))