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Horizon 2020 Energy Efficiency Call for Proposals 2019

EE-18: Bioclimatic approaches for
improving energy performance in
buildings in Africa and Europe (CSA)

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Energy

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Bioclimatic approaches for improving energy performance in buildings in Africa and Europe

- **Activities:** Exchange of experiences and best-practices between EU and Africa
- **Aim:** Identify solutions and better regulation to favour cost-effective, locally adapted bioclimatic approaches boosting energy efficiency in Africa
- **Participants:** At least one entity from EU/Associated countries and at least one from Africa (see list on last slide)
- **Coordination and Support Action (CSA)**
- **Expected EU grant:** about € 1 million
- **Background:** Africa-EU Science, Technology and Innovation Portal:
<https://www.africa-eu-sti-portal.net/>

Proposals should include the following activities:

- **Identification and documentation** of African and European affordable buildings designs, construction techniques and materials suitable for a selection of local climatic and socioeconomic contexts in Africa, based on bioclimatic construction approaches.
- **Exchange activities** around the topic of fostering low-cost, high performance, locally adapted bioclimatic construction approaches for African and European policy-makers and on the development of building policies, standards, regulations, certificates and other relevant instruments and support measures in a selection of geographical zones in Africa.

Activities (continued)

- They **could** also include the organization of one or several **study visits** to demonstration sites for African policy-makers and other key stakeholder including the construction sector. South-South cooperation is also encouraged.
- **Investigation of the measures** (in particular **policy** ones) that could effectively support the development of sustainable and cost-effective supply chains of local construction materials, in order to enhance their competitiveness and contribute to the growth of local businesses.

Expected impact

Proposals are expected to demonstrate that they will trigger as many as possible of the impacts listed below:

- Increased use of affordable, locally-adapted bioclimatic construction approaches in buildings in Africa with high energy performance and increased living comfort;
- Expected (potential for) energy savings (kWh) in buildings thanks to improved techniques;
- Number of documented locally-adapted bioclimatic affordable building design, construction techniques and materials;
- Number of participating policy-makers and other key stakeholders with increased knowledge;

Expected impact (continued)

- Number of exchange meetings and/or study visits;
- Number of new legislative, regulatory, standardisation, certification schemes or other support measures launched or under preparation;
- Investments aiming to develop or deploy affordable, locally-adapted bioclimatic buildings design, construction techniques and materials;
- Promotion of effective sustainable supply chains of local construction materials;
- Number of workers with increased related skills in the bioclimatic construction sector.

Eligibility

Proposals must involve at least one legal entity established in a Member State or Associated Country and one legal entity established in one of the following African countries:

Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Congo (Democratic People's Republic), Congo (Republic), Côte d'Ivoire, Djibouti, Egypt, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

See: Eligibility and admissibility conditions in Work Programme 2018-2020, 10. Secure, Clean and Efficient Energy for details.

Thank you!

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