

International Conference on Sustainability in Energy and Buildings

Invited Sessions

Title of Session: Coupling water and clean energy for sustainable development in Africa

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Description:

In the recent years, water and energy supply have become a real challenge to sustainable development in some countries of Africa. The water consumption per person amounts to 250 l/day in America, between 100-230 l/day in Europe and 10 l/day in Saharan countries of Africa. According to IAE, the developing countries will be more energy-consuming than the OCDE in 2050. On the other hand, clean energy can provide energy and water security and reduce Greenhouse Gas (GHG) emissions in the most area of Africa.

This session includes the interface of clean energy, water and sustainable development with:

- Energy and water efficient buildings and infrastructure,
- Sustainable development and utilization of water resources,
- Water treatment using clean energies (desalination, purification, ...),
- Drinking water supply and management in remote area,
- Energy production and utilization of water for cooling and maintenance.

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