

Project Partners

Integrated Carbon Observation System
(ICOS ERIC), Finland

University of the Witwatersrand
(WITS), South Africa

National Research Foundation
(NRF/SAEON), South Africa

University of Pretoria
(UP), South Africa

Agencia Estatal de Meteorología
(AEMET), Spain

Helsinki University
(HY), Finland

Centre National de la Recherche Scientifique
(CNRS), France

Université Félix Houphouët Boigny
(UFHB), Côte d'Ivoire

Kenya Meteorological Department
(KMD), Kenya

University of Turku
(UTU), Finland

Trinity College Dublin
(TCD), Ireland

Norwegian Research Centre
(NORCE), Norway

Hellenic Centre for Marine Research
(HCMR), Greece

Eidgenössisches Departement des Innern
(Meteoswiss), Switzerland

**Eidgenössische Materialprüfungs- Und
Forschungsanstalt (EMPA), Switzerland**

**Eidgenössisches Departement für Wirtschaft,
Bildung und Forschung (WBF), Switzerland**

The KADI logo consists of a stylized icon of three horizontal bars of varying lengths on the left, followed by the word "KADI" in a large, bold, white sans-serif font.

kadi-project.eu



**Empowering
African
climate
science.**



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Knowledge and climate services from an African observation & Data Infrastructure

Africa is one of the lowest emitters of greenhouse gases globally, yet key sectors on the continent have already experienced widespread losses and damages attributable to human-induced climate change. At the same time, continental observations on climate, greenhouse gases and effects of climate change on ecosystems are sparse.

KADI Project Mission

Developing an African greenhouse gas observation system is crucial for addressing climate change, promoting sustainable development, and protecting Africa's agriculture, food security, and air quality.

To achieve this, investment is needed in data, knowledge exchange, governance, and scientific expertise, along with the establishment of continental policies and agreements for coordination and data exchange.

A comprehensive environmental observation system in Africa will enable better understanding of the African carbon cycle, facilitate climate change mitigation and adaptation strategies, and support the reduction of aerosol emissions and the improvement of air quality.

Goals and Objectives

The KADI project recognises the importance of addressing the challenges posed by climate change in Africa and seeks to foster collaboration between experts from Africa and Europe to better understand, monitor, and adapt to the impacts of climate change in Africa. To ensure ownership, KADI starts by identifying already existing climate needs and solutions in Africa.

The specific objectives of the project are:

- Climate services as a guiding principle for the design and development of a comprehensive pan-African climate observation system.
- A broad information exchange network as basis for a successful and sustainable cooperation that connects infrastructure operators, scientists, data and knowledge users, as well as a community of practice in climate services, agencies and funding bodies
- A solid strategy for implementation and operation of the climate observation system in close connection to future actors and users.

Knowledge Exchange and Training Opportunities for African Scientists

KADI will also enable and support knowledge exchange within the African scientific community, with particular focus on early career researchers, by providing opportunities for African scientists to undertake training placements at pilot study sites and by organising summer schools. In addition, the project will support the work of African participants in integrating their activities more closely and in developing the cooperative space on which an African research infrastructure can be built.



We aim to facilitate networking activities and knowledge exchange opportunities with other organisations outside the project partners. If you are interested in collaborating, please get in touch!

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