

**MINUTES OF THE KADI PROJECT, KMD COMPONENT MEETING, HELD
ON TUESDAY 6TH DECEMBER 2022 AT KKMD HEADQUARTERS
BOARDROOM 2-5PM**

PRESENT

Kennedy Thiong'o - Chair
Jörg Klausen – MeteoSwiss, KADI
Joyce Kimutai – KMD, KADI
Geoffrey Ogutu – KMD, KADI
Patricia Nying'uro – KMD, KADI

AGENDA

1. Opening
2. Catch up since KADI KOM
3. Review work Package plans
4. Way forward
5. AOB
6. Closing

MIN 1/1/22: Opening

The meeting was opened by Mr. Thiong'o at 2:05pm. He welcomed the members to the working session.

MIN 2/1/22: Catch up since KADI KOM

Jörg led the short discussion on catching up on actions since the KADI project Kick Off Meeting held in Johannesburg South Africa. Members highlighted progress made so far including allocating specific duties and reaching out to work package leaders. Jörg highlighted the need for the meeting, being organizing future work so as to deliver the best possible results for the project.

MIN3/1/22: Review of Work Package Plans

The review was conducted on a work package by work package basis.

1. On Work Package 1 **WP1**: definition of required climate services, the group was informed that the lead is from University of Pretoria. By the time of the meeting the WP lead had not yet reached out to the team members to organize work. However, based on plans outlined during the KOM, local KMD plans could be developed. Subtasks identified under WP1 include;
 - Identifying, analyzing and characterizing climate service needs via systematic literature and service review at multiple scales and contexts in Africa. **Scoping paper due February 2024**
 - via collaborative and participatory engagement of key actors and organizations, these services will be validated with their potential data and Infrastructure designs.
 - Suggestion for a scoping paper to define climate services and set the scale - geographical scope. **By February 2024**
 - Compliments with GFCS - climate services needs vs observational/infrastructural needs
 - Gaps and needs both in observational network and infrastructural design.
 - Development of a template to collect information on current status of climate services as well as needs/requirements in the project implementation countries.

2. On **WP2**: Climate Services Pilots KMD is participating in three pilots
 - **WP2 Task 2.1 Support for an African Earth System Model.** Joyce & Geoffrey are the 2 members of the project taking part in the pilot. The lead is Prof. Francois Engelbrecht of the University of the Witwatersrand. Currently the ESM has little input and validation from East Africa and that's the component KMD will be contributing to. The focus will be particularly incorporating African land and land use systems in the Earth System model as well as build climate modeling capability in Africa. The end product is expected to be a robust model serving Africa's needs and a pool of capable modelers who can train others too.
 - **WP2 Task 2.3 Cities.** Patricia & Joyce will work on this pilot. In this WP the focus will be on heat. Nairobi is a large metropolitan city with a number of informal settlements. Temperature forecasts have been produced in the past but may not adequately serve the needs of the users especially in recognizing the relationship between forecasted temperature values and the ambient heat or sensed heat expected. The first task will be to conduct a literature review of current state of climate services for heat early warning. This will be followed by utilization of the template developed under WP1 to evaluate the feasibility of climate services based on heat.
 - **WP2 Task 2.4 Pilot on lessons learned** from existing long-term atmospheric and ecosystem observations: Thiong'o will lead this pilot with support from Jörg. This pilot will be focused on atmospheric observations and on Kenya, with contributions from other countries participating in KADI such as Côte d'Ivoire, Tanzania, and South Africa. The immediate task is to find out when KMD can start minting of WIGOS identifiers for registrations of non-KMD stations and to define a scheme to delegate this task to the individual organizations concerned. **ACT:** Thiong'o

To collect information from stakeholders on past, and existing observation networks, a template for a survey shall be developed. The meeting discussed to what extent this can/should be combined with the template developed under WP1.

ACT: Identify organizations to be contacted (ALL, January 2023)

ACT: Develop template to collect key information on projects/activities, rationale, available lessons learnt from these, networks, stations/observations (ALL; March 2023)

ACT: Decide if template can/should be integrated with template from WP1 and whether the survey will be web-based (March 2023)

ACT: Setup survey (Jörg, Thiong'o, Patricia; April 2023), collect responses (Thiong'o, Patricia; July 2023)

ACT: Register networks, stations, observations in OSCAR/Surface (beginning in October 2023, complete mainly by mid-2024 (Addressees of survey, Thiong'o, Jörg)

Examples:

- KMD meteorological, agricultural and climatological network(s)
- UNEP PM2.5, PM10 instruments deployed in Nairobi
- Mobile AQ lab at KMD
- Taita research station
- Tahmos network

ACT: Support KMD with creating the WIGOS metadata XML files for upload to OSCAR/Surface, based on electronic information available at KMD (Thiong'o to collect, Jörg to analyze and prototype; beginning March 2023)

Next steps include Stocktake of existing observations in the country starting from 2000, identify and map stakeholders and identify gaps. Avail KMD station MetaData to Jörg by January 2023 **ACT:** Patricia

MIN 4/1/22: Way Forward

It was agreed that the team would meet for a monthly catchup on TEAMS on every 1st Wednesday of the month between 11 and 12 EAT **ACT:** Jörg to setup recurring meeting.

For organization of work or faster collaboration, Confluence project management systems was suggested as the project management and productivity app to use, GitHub was floated as well. **ACT:** Ask Emmanuel about the web-based tools to be used for planning, documentation and data collection like Confluence (Jörg, December 2022)

MIN 5/1/22: Closing

There being no AOB the meeting was brought to a close at 5pm

MIN 6/1/22: Date & time of the next meeting

The next meeting will be held virtually in January 2023



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Secretary (for the day)

Patricia Nying'uro



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Chair

Kennedy Thiong'o