

## News from of the Project LANDSURF

March 2023

**Land surface** processes as a determinant of climate change in Africa – scenarios, high-resolution modeling and development of a stakeholder data portal

Dear End-users,

about half of our project duration has passed and LANDSURF can report some important achievements. An interaction protocol between scientists and end-users has been developed. It describes the identification of specific climate indicators and end-user needs for a decision support system (DSS) (Fig. 1). The protocol is implemented in LANDSURF, but can also be applied in other projects with some modifications<sup>1</sup>.

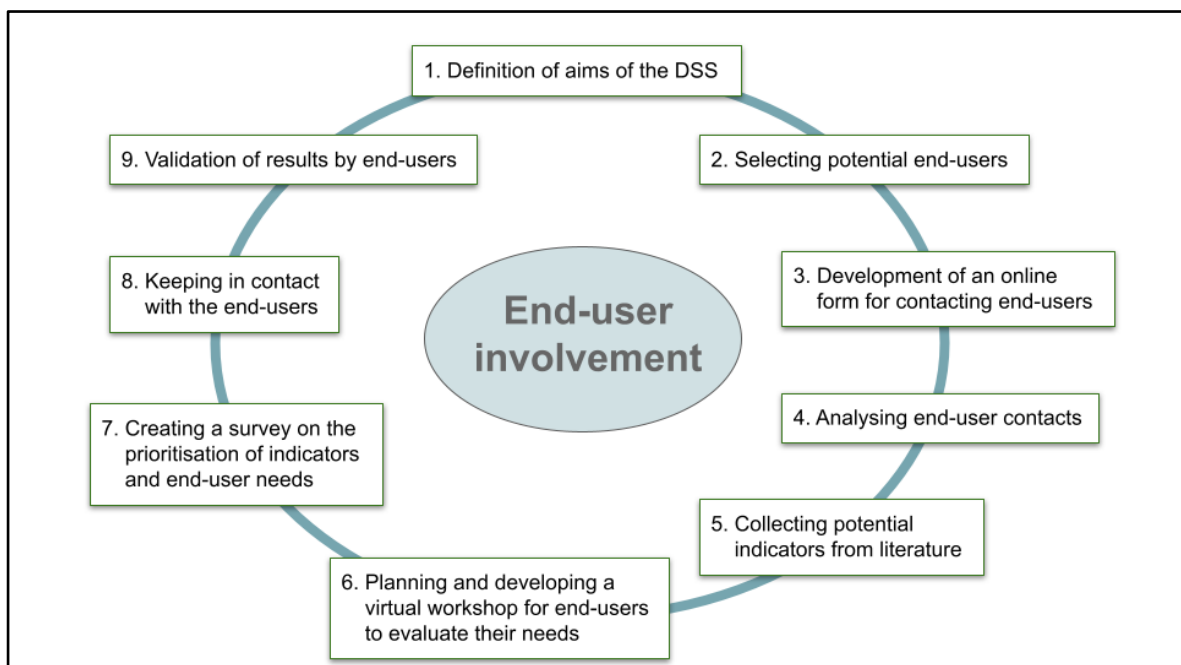


Figure 1: Implementation process

<sup>1</sup> [https://www.climate-service-center.de/imperia/md/content/csc/gerics/wascal\\_landsurf\\_end-user\\_interaction\\_protocol.pdf](https://www.climate-service-center.de/imperia/md/content/csc/gerics/wascal_landsurf_end-user_interaction_protocol.pdf)

Furthermore, the project team has established a final list of climate indicators relevant to agriculture according to the prioritisation by the end-users. In addition, two thirds of these indicators have already been calculated using observations, global and regional climate projections for two different emission scenarios. Another important announcement is that the DSS has almost reached a beta status where selected climate indicators can be displayed and tested by the end-users.

For this year, LANDSURF has two essential events planned that may be of interest to end-users and other projects:

1. A second end-user workshop dedicated to end-user evaluation of the DSS is scheduled to take place in June 2023. The workshop will again be held in a virtual format so that end-users from different countries can participate without having to travel. Right before the end-user workshop, the DSS will be opened for testing.
2. In the second half of this year, a capacity building activity will be held on a weekly basis, comprising virtual sessions consisting of a theoretical and a practical part. The different topics are aligned with the project LANDSURF and may include an introduction to regional climate modelling, the handling of climate model and remote sensing data, script writing to analyse these data, and more. At the end of the curriculum, when all assignments have been submitted and passed, the participant will be issued a certificate of successful completion of the course.

Moreover, the LANDSURF team intends to present its latest results of the project at the EGU General Assembly 2023 in Vienna, Austria, the ICRC-CORDEX 2023 in Trieste, Italy, and the WCRP OSC in Kigali, Rwanda.

We hope that you will find the planned events useful and would be pleased to welcome you to one or both of them.

Sincerely yours,

The LANDSURF team