

# Climate change and adaptive land management in southern Africa

Biodiversity & Ecology 6

Assessments  
Changes  
Challenges  
and Solutions

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# **Biodiversity & Ecology**

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## **Climate change and adaptive land management in southern Africa**

**Assessments, changes, challenges, and solutions**

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## Application to import climate data into CLIMSOF (import-App)

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An important challenge that the national meteorological services were facing in the beginning of the project was the importation of data already available in electronic form into CLIMSOF. To overcome this issue, SASSCAL provided different open-source tools created specifically for each meteorological service. Over the years, however, it was acknowledged that a common tool would be a better solution to ensure the long-term operation of the import process. Therefore, the SASSCAL team developed a new open-source application called import-App, which is currently available to all NMS partners.

The app provides users with different import options. Two of these options are common to all NMS partners:

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- – From a key-entry form: This option allows users to import data entered with the keyEntry-App.
- – From a CLIMSOF database: This option allows the importation of data from one CLIMSOF database to another. Specific features were developed for INAMET and ZMD to make the importation of data stored in specific file formats possible. Therefore, the app allows INAMET to import data entered in old electronic spreadsheets, whereas ZMD can import the data stored in the CLICOM system. Figure 1 shows screenshots of the different options currently available in the app.

The import-App is hosted on GitHub for download and further development: <https://github.com/sasscal-dwd-apps/import-App>. A detailed manual on how to install it and how to use it can be found here: <https://sasscal-dwd-apps.github.io/import-App/en/documentation.html>

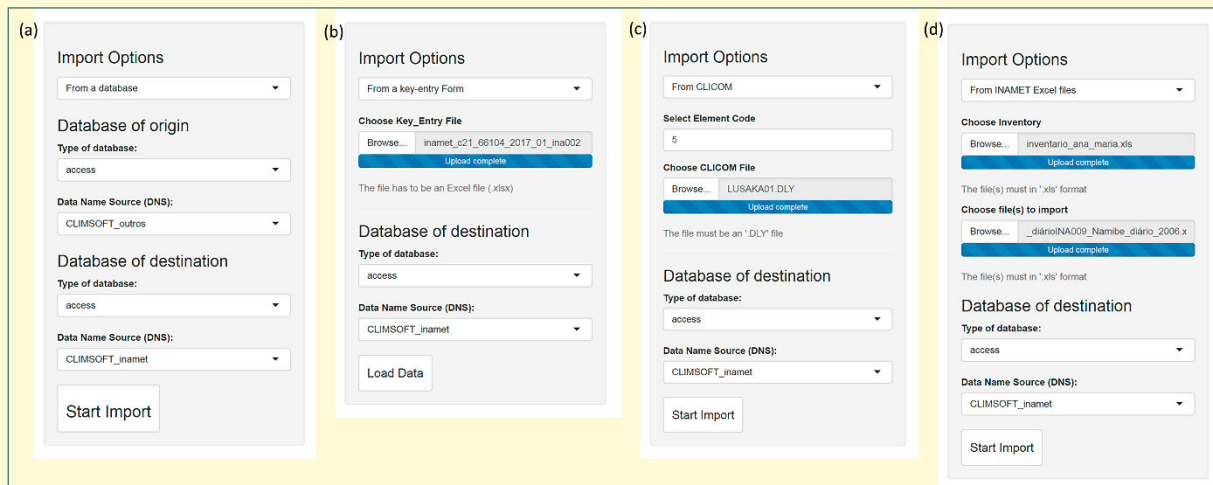


Figure 1: Screenshots of the different features available in the import-App when users select the importation of data (a) from a CLIMSOF database, (b) from CLICOM (available only at ZMD), (c) from a key-entry form, or (d) from older INAMET electronic spreadsheets.