

Strengthening remote sensing data processing and interpretation
capacities for operational use in agricultural system monitoring | EO4Africa
A partnership between Mozambique and Austria

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Agricultural monitoring systems rely on timely and objective information to support the assessment of crop production. Considerable efforts have been made in the past years to obtain this information in a cost-effective, precise and reliable way. The use of Earth Observation (EO) satellite imagery has been essential thanks to its wide and frequent coverage of global land surfaces. The overall objective of EO4Africa is to strengthen the institutional capacities for mapping and monitoring agricultural areas in Mozambique. EO4Africa develops local skills and strengthens research, management and networking capacities to:

- routinely mapping crop conditions;
- detecting crop growing anomalies;
- providing timely crop statistics on a permanent basis;
- developing capacities for better implementation of existing and forthcoming national policies, supporting the implementation of the Sustainable Development Goals;
- collaborating with international humanitarian organisations (e.g. World Food Programme).

First implementations will be set up in the Inhambane province. Crop monitoring capacities will be consolidated, demonstrated and extended to a neighbour region (Sofala or Manica province). The project provides research tools, (big) data sets, skills and capacities to better cope with natural resource assessment, allocation and control. It jointly develops analytical tools to increase transparency and efficiency in the decision-making processes for food management and provision.

The project is funded by APPEAR, a programme of the Austrian Development Cooperation.

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Austrian Partnership Programme
in Higher Education and Research
for Development

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COOPERATION**

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Partner Country

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Project Duration

15 June 2017 – 14 June 2020

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Acknowledgements: Editor and Publisher: OeAD (Österreichische Austauschdienst)-Gesellschaft mit beschränkter Haftung | Austrian Agency for International Cooperation in Education and Research (OeAD-GmbH) 1010 Vienna, Ebendorferstrasse 7 | Headquarters: Vienna | FN 320219 k Commercial Court Vienna | Editor: APPEAR – Austrian Partnership Programme in Higher Education and Research for Development | appear@oead.at | www.appear.at | Graphic design: Christina Brandauer | Photo: Hélio Cuamba, Sosdito Mananze | Printed by: Paul Gerin GmbH & Co KG December 2017