

Understanding the EO needs of Agriculture and Water Management Institutions across the African Continent

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Information for Agriculture, Food & Water Security

- **Digital Earth Africa**, Association for Strengthening Agricultural Research in Southern Africa (**ASARECA**), and Centre for Coordination of Agricultural Research and Development for Southern Africa (**CCARDESA**), supported by the Australian Centre for International Agricultural Research (**ACIAR**) working to:
 - support consultations to understand the **needs, opportunities** and **gaps** for using Earth observations (EO)-based services;
 - develop a **Roadmap** for Digital Earth Africa (DE Africa) to **deliver services** tailored to these needs to improve productivity and build resilience.



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Consultations

- Initial consultation and 'deep dive' workshops conducted in:
 - Botswana
 - Ethiopia
 - Kenya
 - Rwanda
 - South Africa
 - Uganda





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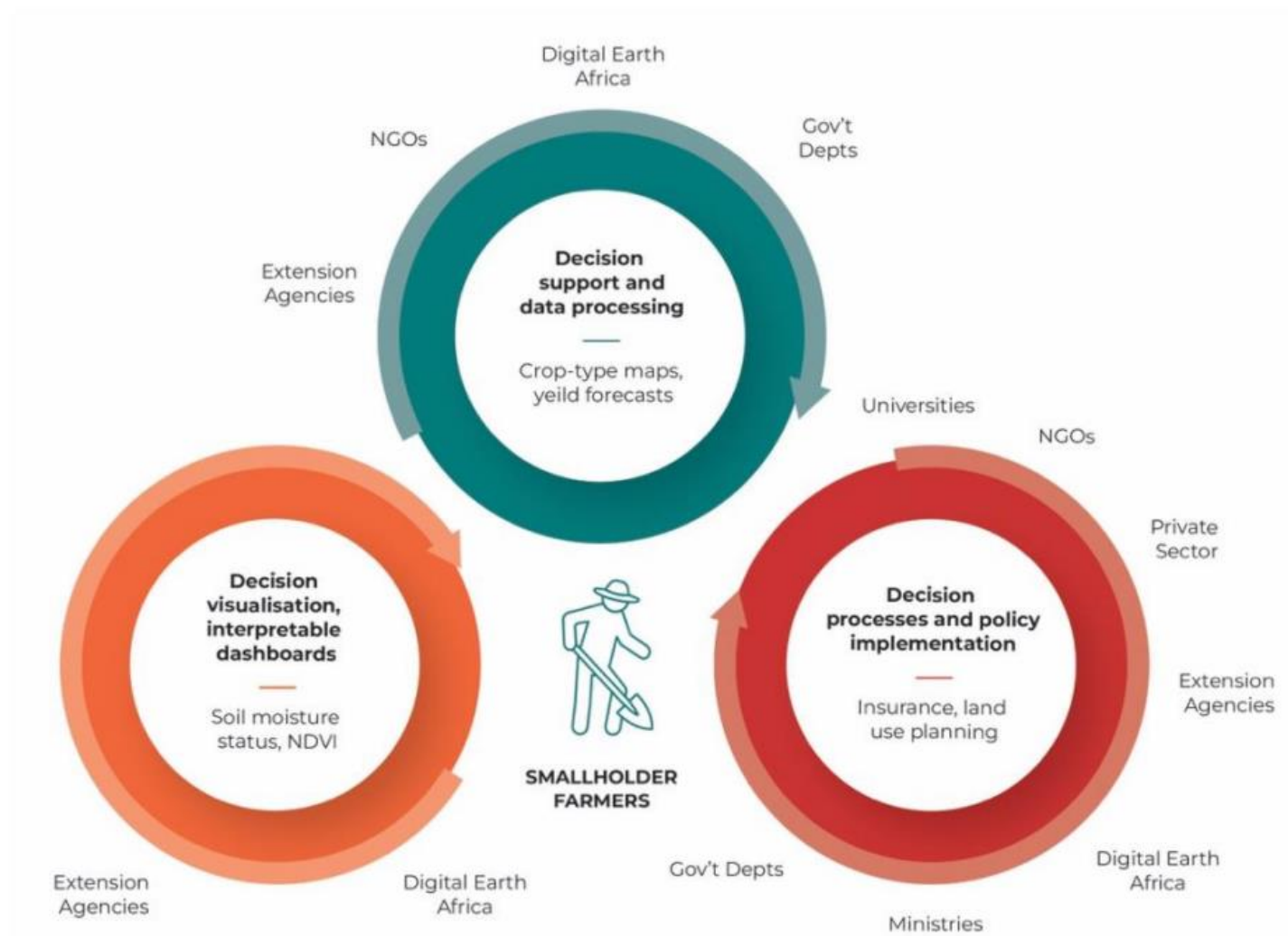


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Findings

- There is a genuine interest in **connecting to farmers**, but it will need to be through intermediaries in many cases.
- There is unmet demand for **training and capacity development** among NGOs and service organizations.
- Products need give **accessible and relevant agricultural information**: e.g. crop type maps, yield estimates, water use requirements.

Pathways to impact





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Identified opportunities

- Technical products and services
 - Irrigated area mapping
 - Climate & crop production dashboard
 - Early warning systems – pests & diseases
- Capacity development products and services
 - Support for software developers
 - Short video series on data interaction



Identified opportunities

Products and Services	Description	Connecting to smallholder farmers	Potential Partners	Status
DE Africa for Developers	Opportunities were identified to leverage EO data in private service provision and connecting to app developers.	Engage interested parties, such as software and app developers, from the private sector and seek strategic engagement with extension agencies to ensure end-user needs are being considered.	Private sector	Inactive: ideated but not yet formally planned.

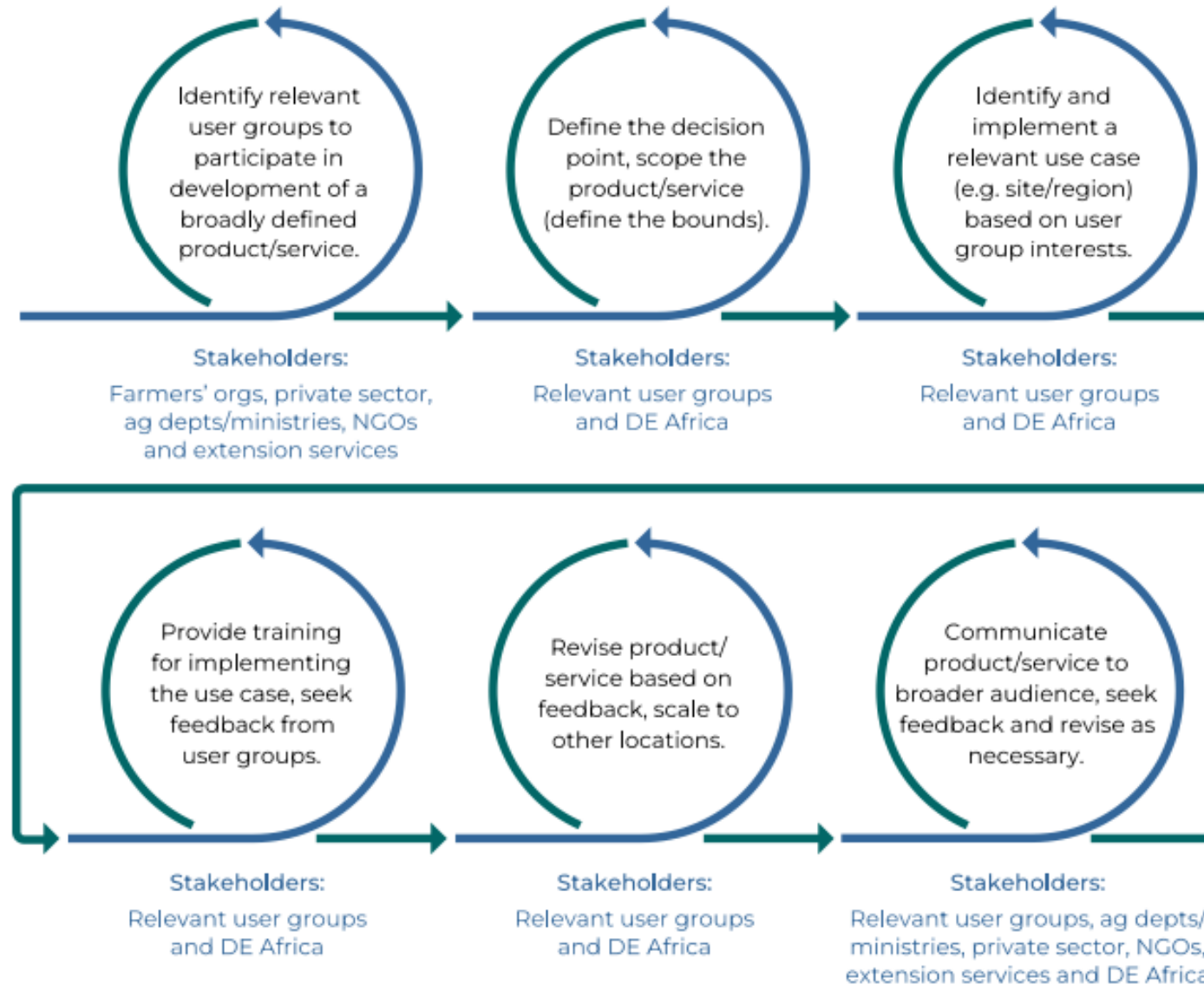


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Next steps



Partners and Affiliations

