



Our voice on data

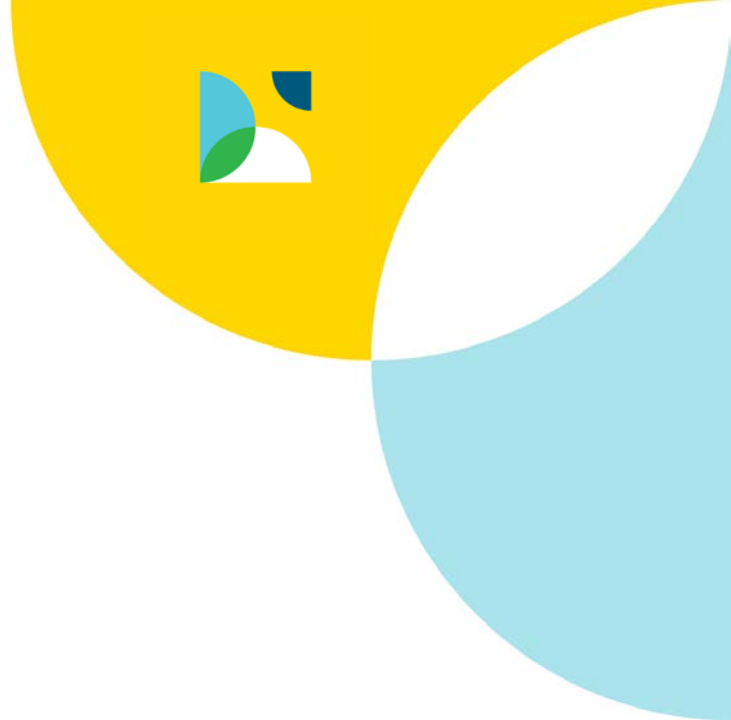
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ML & Domestic Strategy Lead at NASA Harvest



Why Fund in Agriculture?

- Advances in machine learning, remote sensing, & other technologies have enabled progress in a variety of tasks globally
 - Prediction of crop types
 - Condition and yield estimation
 - Livestock management
 - Field boundary delineation
- Data, not methods, remains the obstacle to building beneficial ML applications worldwide
 - Lack of ground truth labels in Global South
 - Lack of datasets to address unique challenges in mapping smallholder farms (e.g., intercropping, agroforestry, etc.)





Vision

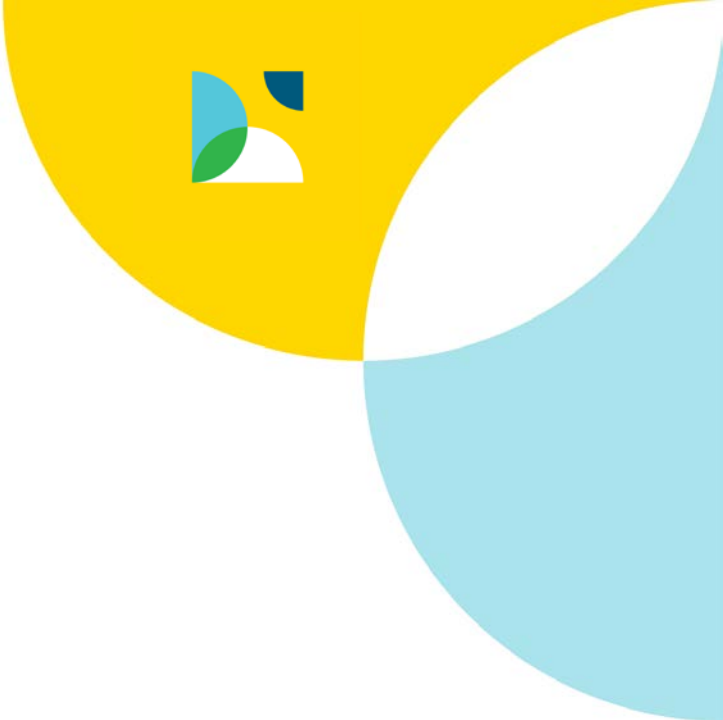
“What do we hope to achieve through this RFP?”



**Transformative datasets
that address common needs
and move ML for agriculture
in Africa forward.**



Tell us the dataset you see a need for, why you're the team for the job, how you'll deliver a quality product, and who is likely to benefit from the dataset.

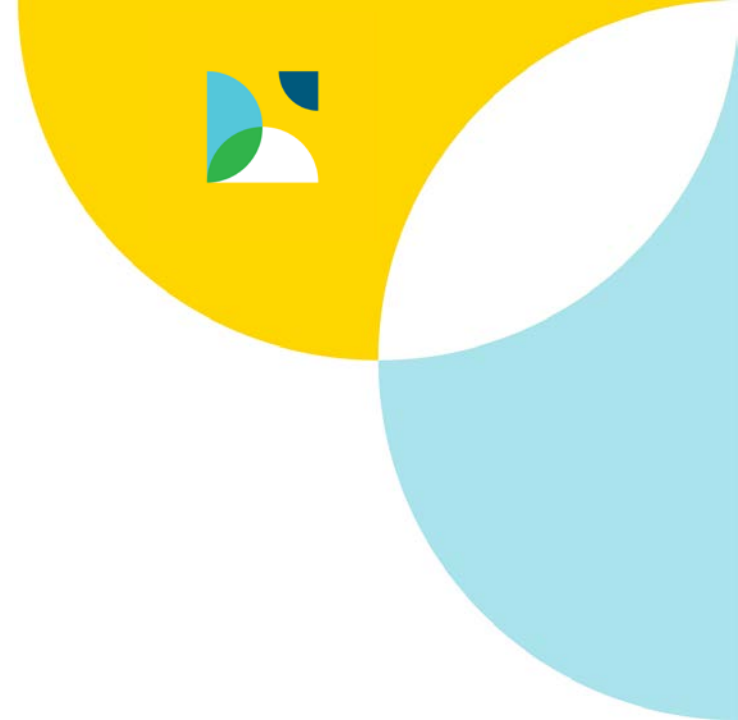


We fund datasets – not end to end solutions.

Think of your proposal as a proposal on behalf of a broader community that will use the dataset you create.

Eligibility

“Can I apply?”



Applicants should:

- Be non-profits, research institutions, for-profit organizations, or teams of such organizations.
 - There can be only **one “lead” applicant** – partners should be structured as sub-contractors.
 - Mission related to social good
- Be **headquartered in Africa** or have a **substantial partnership** with an organization(s) headquartered in Africa.
- Have necessary expertise and be able to obtain national approvals.





Needs

“What are you funding?”

We see needs in:

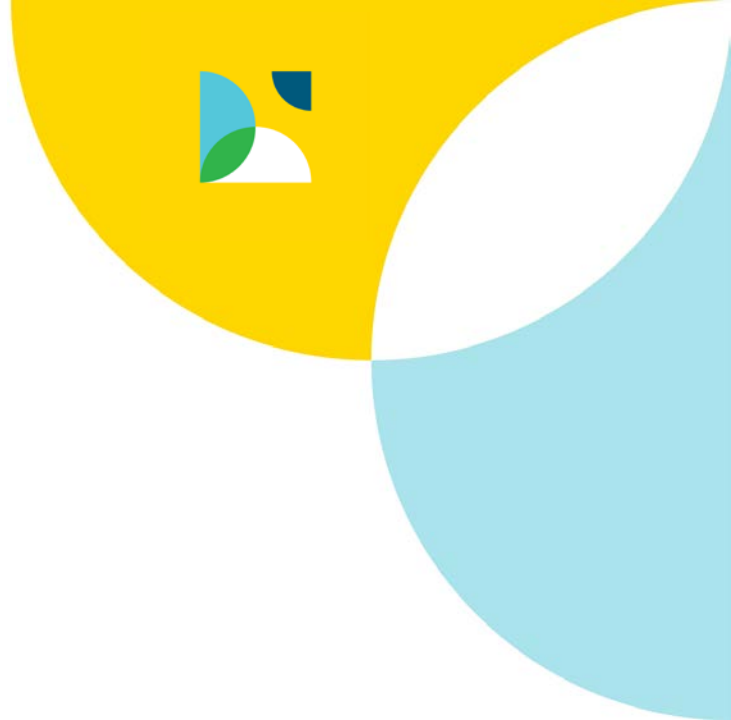
- Crop and animal agriculture, including datasets that contribute to:
 - Field boundary identification
 - Crop type classification
 - Yield estimation
 - Pasture carrying capacity and/or early warning systems for forage availability and depletion in pastoral lands
 - Issues related to pastoral migratory patterns and anticipated conflicts with crop farmers
 - Prediction of the best locations to establish forage banks
 - Forage and livestock resource management in managed ecosystems



We see needs in:

- Labeled datasets that contribute to a range of use cases:
 - Agricultural practices (e.g. ploughing, harvesting, grazing, burning, irrigation, etc.)
 - Soil health data and related labels
 - Pest and disease labeled datasets for all crop types
- Your idea here!





Selection

“Should I apply?”

“What are you looking for?”

Proposals should:

- Demonstrate the **team's qualifications and knowledge** of data quality and standards needed for the use case.
- Clearly articulate **what gap the new dataset will fill** and **what advances it will enable**.
- Be feasible to complete within **6-15 months**, considering the impacts of COVID.
- Range from **\$20-100k for small to medium projects** or up to **\$500k for large, transformational projects**.



Criteria

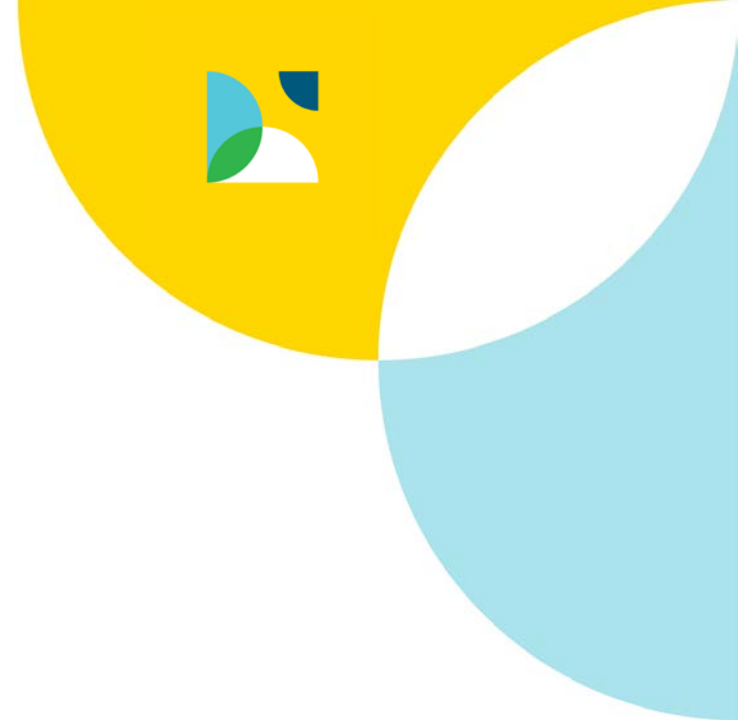
- **Quality** of proposed methods and team qualifications
- Potential **transformational impact** of the dataset
- **Novelty**, accounting for and/or using existing datasets and methods
- **Equity** dimension of proposed use cases
- **Feasible** in relation to budget, timeline, and scope proposed



Criteria (cont.)

- Be **open source** (with very limited exceptions) and be widely accessible
- Follow **ethics and privacy** best practices
- Be **locally** developed and owned
- Plan for future **sustainability**





Application Process

“Now what?”

Application Components

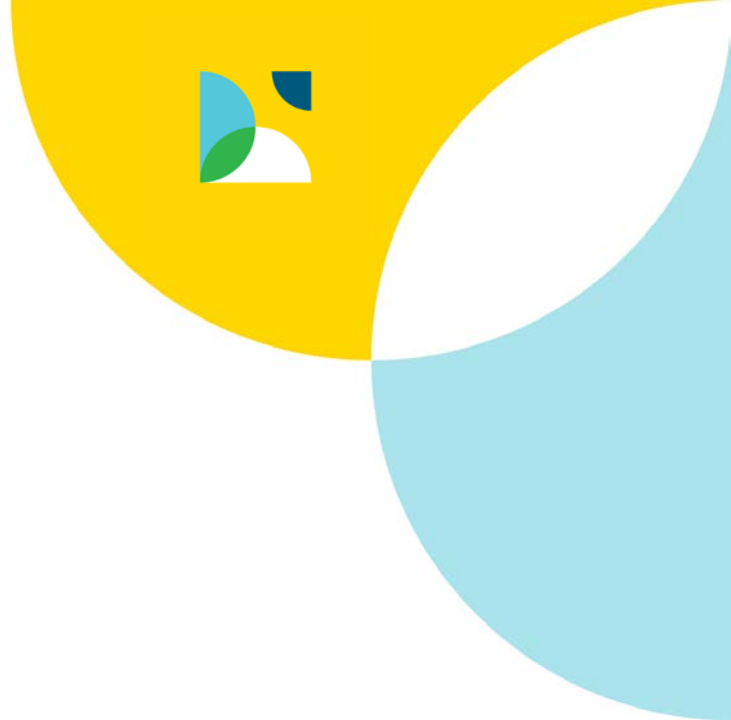
- Applications are accepted only through the **portal** (access through website “Apply” page)
- Apply in either **English** or **French**
- Completed application includes
 - Information form
 - Proposal narrative
 - Budget (including budget assumptions) and deliverable timeline
 - Due diligence self-reporting



Timeline

- **August 3:** Q&A released.
- **September 3:** Proposals due.
 - *The Secretariat conducts an initial screen and the Technical Advisory Panel meets to select proposals.*
- **Mid-October:** All applicants notified of status.
- **Late October:** Finalization of arrangements with selected applicants.
- **Late Fall:** Work begins.
- **6-15 months later:** Datasets are released!





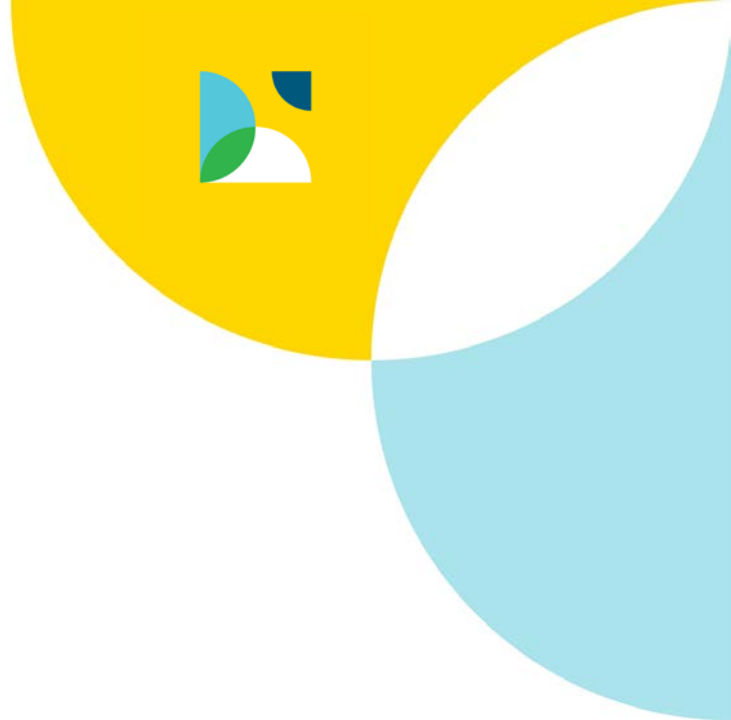
See the RFP for specifics!

It is the **authoritative source of information** on the call. The document has further details on exact eligibility and selection criteria as well as specific information to include in your proposal narrative.

Upcoming Opportunities

- The Fund will release a request for proposals related to **natural language processing (NLP) in Africa** in September (exact date TBA)
- The Fund will also release a request for information on **health and COVID-related datasets in low and middle income contexts globally.**

Join the newsletter on the Fund's website to be notified when both are released.



Questions?