

FAIR Process Framework: Resources to implement the Findable, Accessible, Interoperable, and Reusable (FAIR) data principles

A comprehensive suite of tools to guide initiatives and organizations in implementing FAIR principles across data-rich agricultural development investments!

The FAIR Process Framework empowers governments and development institutions to harness agricultural data more effectively. By implementing Findable, Accessible, Interoperable, and Reusable (FAIR) principles, this six-step approach enhances decision-making, strengthens collaboration, and maximizes the impact of agricultural investments.



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Commodities

All Crops

Sustainable Development Goals



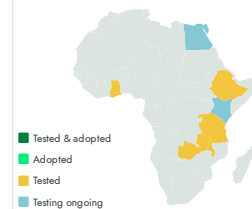
Categories

Production, Practices, Production system

Best used with

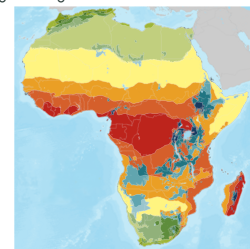
- [8 steps to develop a Soil Information System \(SIS\)](#)

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Development institutions, Governments, Researcher center

✓ This technology is **validated**.

8·7



Scaling readiness: idea maturity 8/9; level of use 7/9

Gender assessment **3**

Climate impact **4**

Problem

- **Duplicated efforts** lead to wasted time and resources as multiple institutions collect similar data separately.
- Data is often **inaccessible, fragmented, or lost**, making it difficult for policymakers and development partners to use effectively.
- **Lack of standardization** prevents datasets from being integrated, limiting their potential for evidence-based decision-making.

Solution

- **Simplifies data sharing** by offering clear guidelines, use cases, and domain-specific examples.
- **Reduces entry barriers** for governments, funders, and institutions to adopt responsible data management practices.
- **Enhances collaboration** by ensuring data can be seamlessly integrated across different projects and stakeholders.
- **Maximizes project impact** by making agricultural data a **strategic asset** for innovation, policy development, and sustainable growth.

Key points to design your program

Effective programs rely on high-quality, well-managed data.

- The FAIR Process Framework provides a strategic, scalable, and flexible approach to ensure agricultural data is efficiently used and shared across institutions.
- By embedding FAIR principles in policy development and implementation, governments can enhance coordination, improve accessibility, and drive data-driven decision-making.
- With structured tools and expert support from CABI, national programs can maximize impact, streamline processes, and strengthen agricultural development at scale.

0 USD



Open source / open access



<https://e-catalogs.taat-africa.org/org/technologies/fair-process-framework-resources-to-implement-the-findable-accessible-interoperable-and-reusable-fair-data-principles>
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