FAIR Process Framework: Resources to implement the Findable, Accessible, Interoperable & Reusable data principles

Comprehensive 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.

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 and domain-specific examples.
- **Reduces entry barriers** for governments, funders, and institutions to adopt responsible data management practices.
- **Maximizes project impact** by making agricultural data a strategic asset for innovation, policy development, and sustainable growth.

Key points to design your project

Agricultural projects generate vast amounts of data, but without proper management, its full potential is lost.

- Whether starting a new project or improving old one, FAIR principles enhance efficiency and decision-making.
- With structured guidance, flexible integration, and expert support from CABI, projects can unlock greater value from data, reducing duplication and improving outcomes.

0 USD

IP

Open source / open access

CABI
Melissa Allan

Commodities

All Crops

Sustainable Development Goals

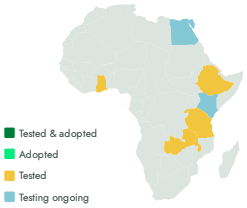
Categories

Production, Practices, Production system

Best used with

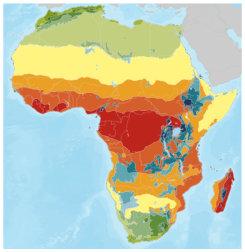
- 8 steps to develop a Soil Information System (SIS) ›

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