# SIS Framework: Roadmap for building a soil information system.

Empower the soil data community with best practice tools and lessons learned for a sustainable SIS!

The SIS Framework by CABI and ISRIC offers practical, phased guidelines for developing soil information systems, addressing financial, institutional, and technological aspects with tools and resources.

**ISRIC** World Soil Information

**CABI**

**CABI and ISRIC- World Soil Information**
Melissa Allan

This technology is **pre-validated**.

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

Gender assessment 👍 3

Climate impact 👍 7

## Problem

- SISs often fail after project funding ends due to the absence of sustainable transition plans.
- Limited technical capacities hinder the development of data-driven products and system maintenance, leaving user needs unmet.
- Poor understanding of target users and use cases leads to unclear objectives and weak SIS planning.
- Inconsistent data formats and poor governance complicate data analysis and sharing.

## Solution

- Co-develop financial sustainability plans to ensure long-term viability.
- Build technical capacity and identify roles for SIS design, development, and maintenance.
- Conduct needs assessments for users, beneficiaries, and data producers.
- Track the impact of the SIS and adapt to evolving user needs.

## Key points to design your project

The SIS Framework, provides a structured approach to designing and developing sustainable Soil Information Systems (SIS). It ensures long-term viability by integrating financial, institutional, capacity, and technological aspects.

Key steps include:

- Defining clear objectives aligned with national priorities.
- Developing a financial sustainability plan beyond project funding.
- Building technical capacity for SIS maintenance and growth.
- Conducting user needs assessments for practical impact.
- Implementing FAIR data governance for accessibility and reliability.
- Monitoring impact to ensure continuous improvement.

## 100,000—200,000 USD

SIS roadmap development workshops, depending on needs.
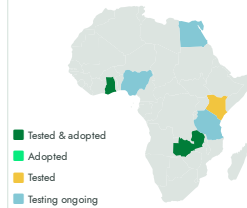
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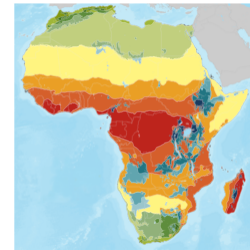
### Commodities

### Sustainable Development Goals

2 ZERO HUNGER

13 CLIMATE ACTION

15 LIFE ON LAND

17 PARTNERSHIPS FOR THE GOALS

### Categories

Digital applications,
Advisory and information service

### Tested/adopted in



- ■ Tested & adopted
- ■ Adopted
- ■ Tested
- ■ Testing ongoing

### Where it can be used

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



### Target groups

Development institutions, Governments, Researcher center, Soil scientists