

Introduction

The Problem: Disconnected Tools

Current models are often too complex or fragmented to meet the real-world needs and technical constraints of end-users.

The Goal: User-Led Design

We are using this survey to co-design MODASYS, ensuring the platform is practical, credible, and balances farm profit with environmental health.

Current status & Preliminary Results

STAKEHOLDER PROFILING

- Farmer/Land Manager
- Student (Undergraduate/Postgraduate)
- Industry Professional (Agri-tech, Fertilisers, etc.)
- Public Body/Policy Maker
- Agricultural Advisor/Consultant
- Academic/Researcher
- Private Company/NGO Representative/Non-Profit

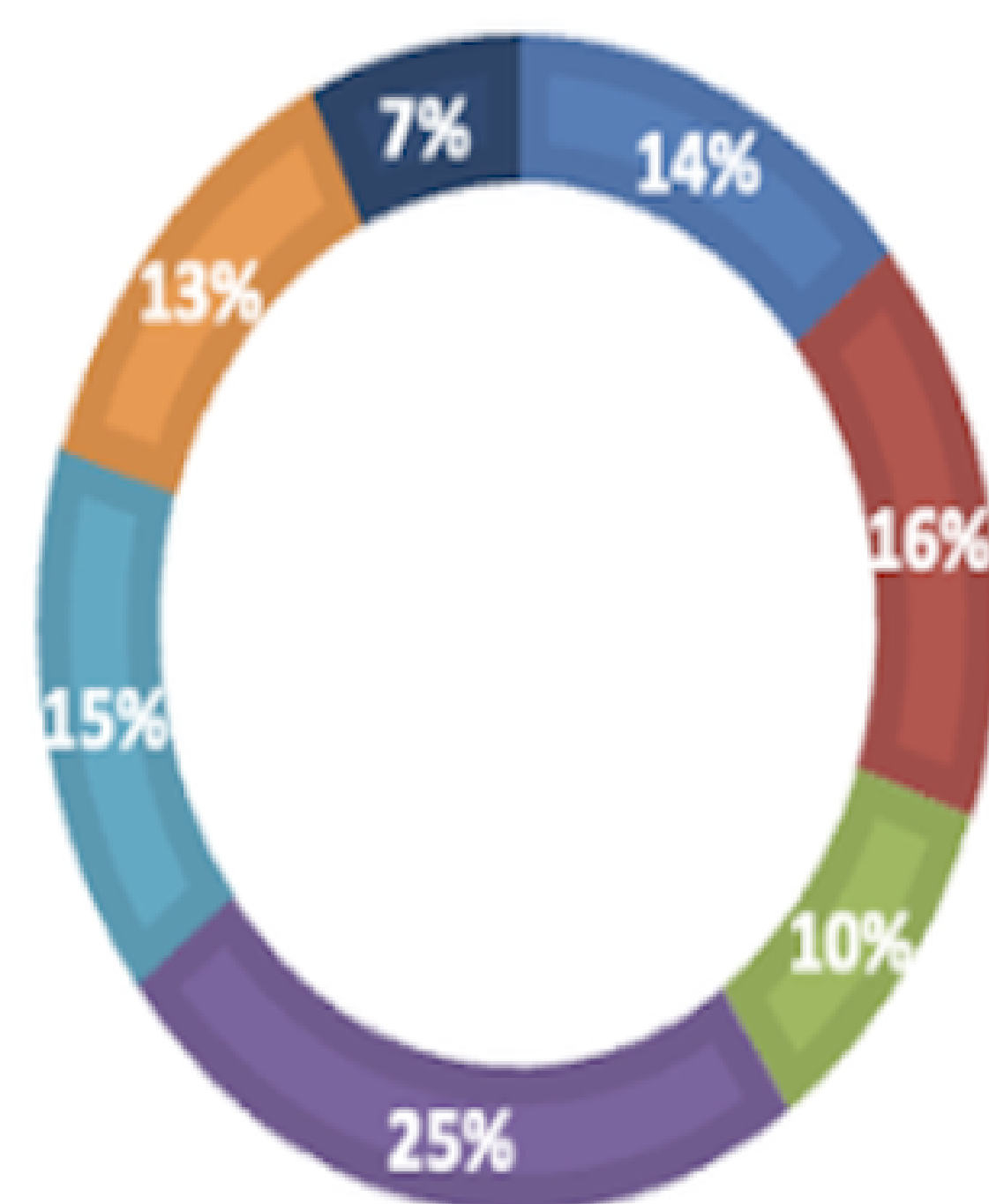


Figure 2. Distribution of survey respondents by primary professional role.

The data reflect a diverse stakeholder base, with the strongest representation from agricultural advisors and the academic community.

Methodology: User-centric Design

Objective: Define technical and functional requirements to ensure MODASYS is practical, credible, and user-friendly.

Stakeholders: Farmers, Advisors, Academics, Industry, NGOs, and Policymakers.

The Survey: A digital tool designed to bridge the gap between complex modelling and real-world needs. Key focus areas:

- Profiling: Identifying role-specific needs.
- Barriers: Pinpointing obstacles to adoption.
- Priorities: Co-designing future functionalities.

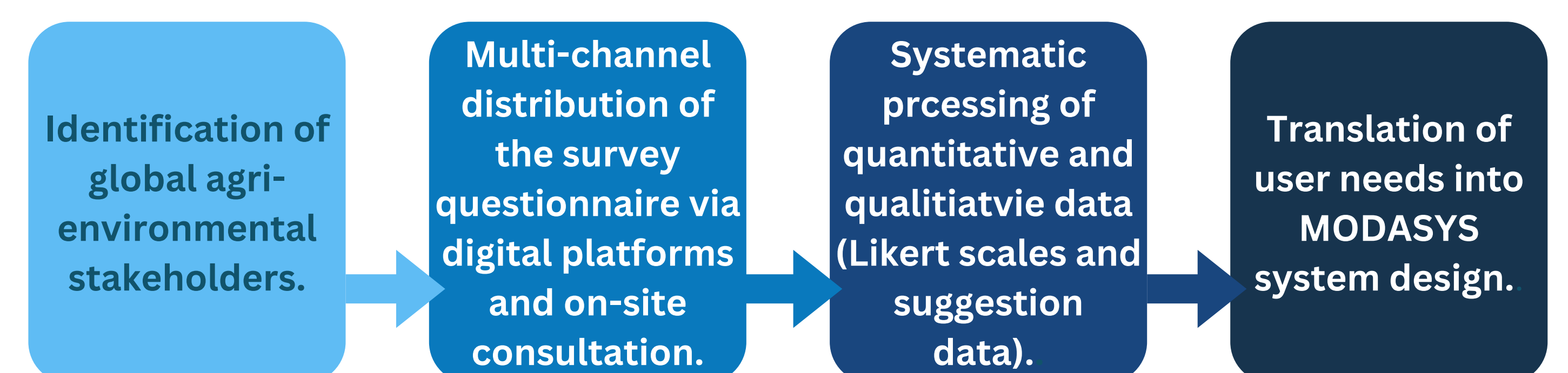


Figure 1. Chronological workflow of the MODASYS user-requirement gathering and implementation process (Current status: Phase 2).

Stakeholder Perspectives: Identifying the Major Barriers to Frequent Tool Use

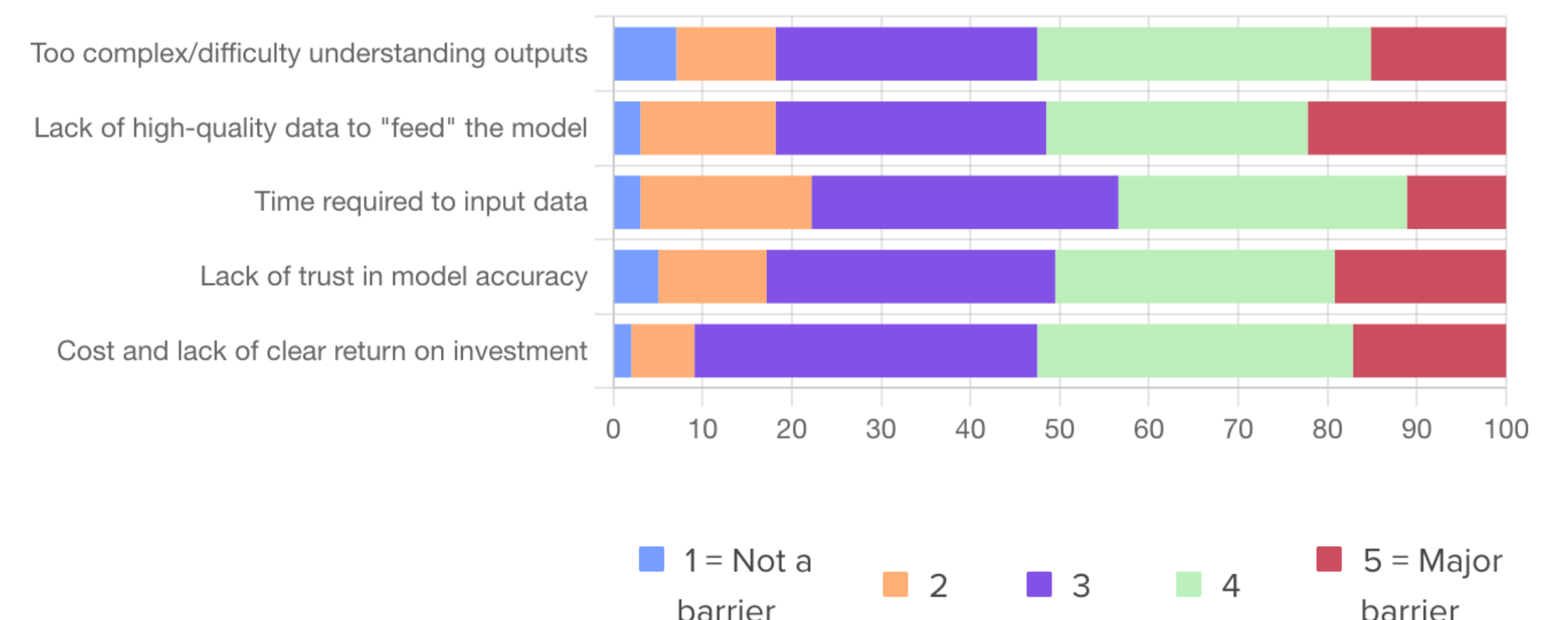


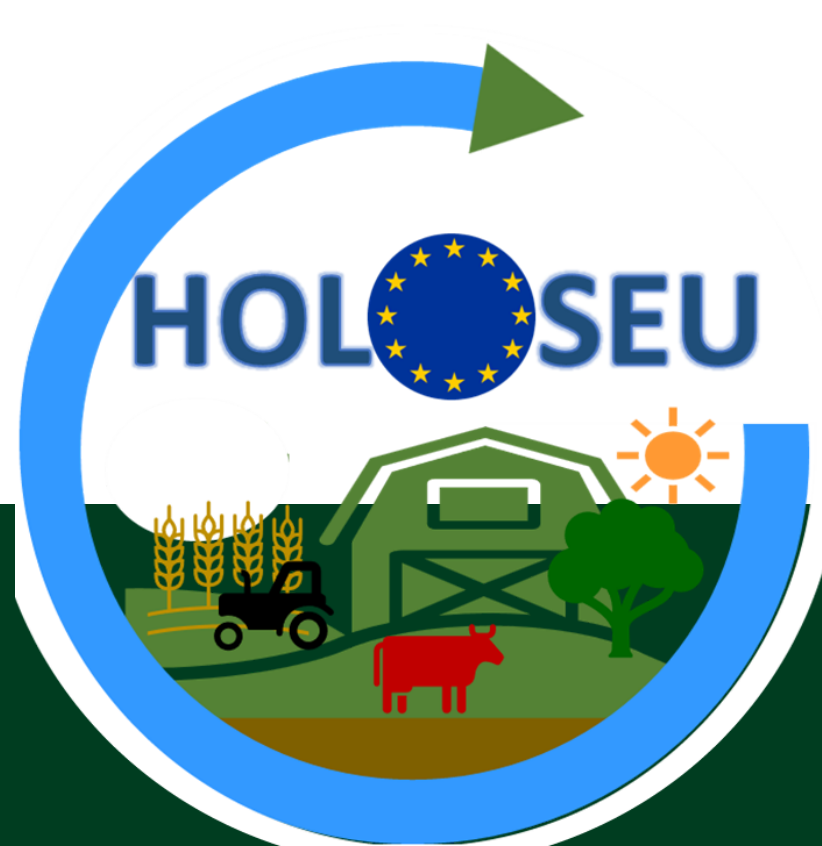
Figure 3. Stakeholder perception of barriers to model adoption. Preliminary results indicate that data availability and system complexity are the most significant obstacles to frequent use.

Shape the Future of MODASYS: We are still collecting data until May 17th 2026!

Don't let your expertise sit on the sidelines.
Contribute today!



<https://www.modasys.org/survey/>



Translating Insights into Action

The Barrier: Preliminary data show system complexity and data gaps are the primary obstacles to tool adoption (Figs 2 & 3).

The Solution: Prioritising high-demand features, Climate Adaptation & Results-Based Payments, to address these specific user pain points.

The Roadmap: Ongoing stakeholder input is driving the transition of the model framework into a streamlined, open-source digital platform built to overcome current usability barriers.