Holistic Metrics Project Update
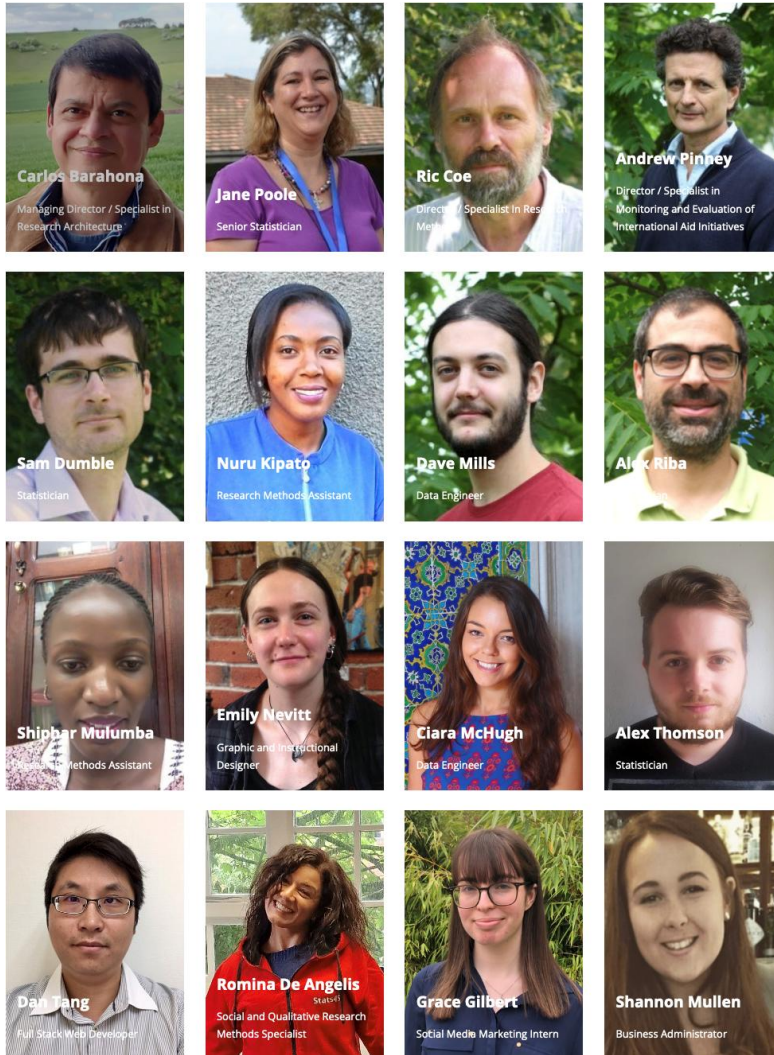
Encouraging a holistic viewpoint for measuring and understanding performance

Dave Mills – Data Engineer - Stats4SD

TRANSITIONS
Project

Stats4SD – Project Partner

TRANSITIONS

- Non-profit based in UK

- Statisticians, Data Engineers, Research methods specialists, instructional designers

- Support global organisations pushing towards a sustainable future

- Leading the 'Database and Metrics Library' work package in Metrics.

Holistic Metrics Project

Help people interested in measuring agricultural system performance to **measure what matters** and take a **holistic** approach

Project Work Packages

- Stakeholder engagements

- Detailed review of existing tools and metrics

- Database and 'library' of metrics

- Development of a 'meta-framework' to act as a guide for choosing metrics to measure what matters.

Metrics Project – 2023 in numbers

- **8740** articles screened

- **330** assessment tools reviewed

- **10,000+** metrics identified and catalogued

- **73** key informants interviewed

- **1** meta-framework developed and piloted

Learnings - Gaps

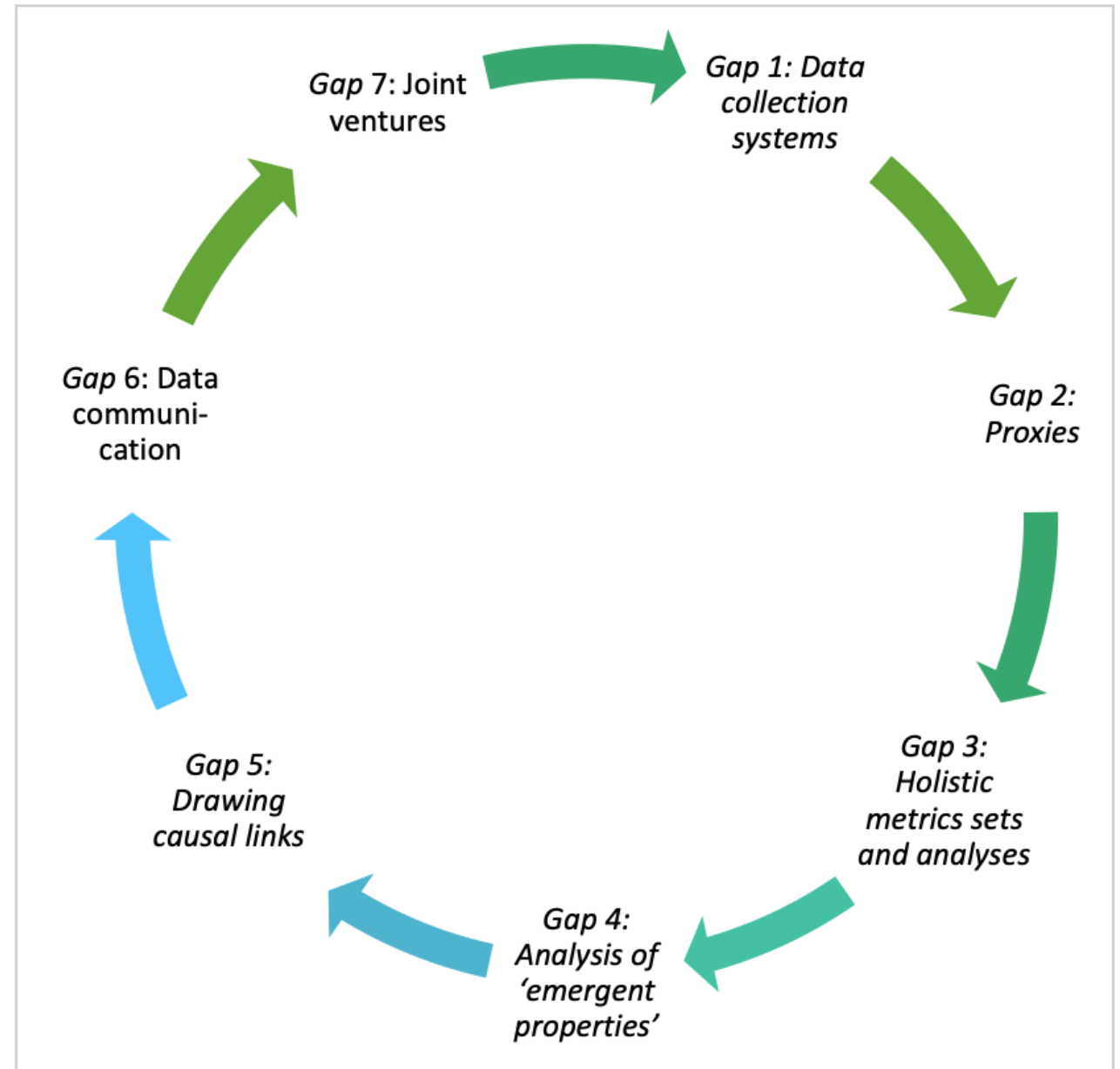Key 'gaps' – of metrics, and of **use** of metrics

Figure 3: Overview of inductively identified main 'metrics gaps'
Source: Fuchs 2023.

Learnings – Use Cases

Key 'gaps' – of metrics, and of **use** of metrics

Identified 'use-cases'

Individual Projects — "Better metrics and contribution of analysis skills for individual projects"
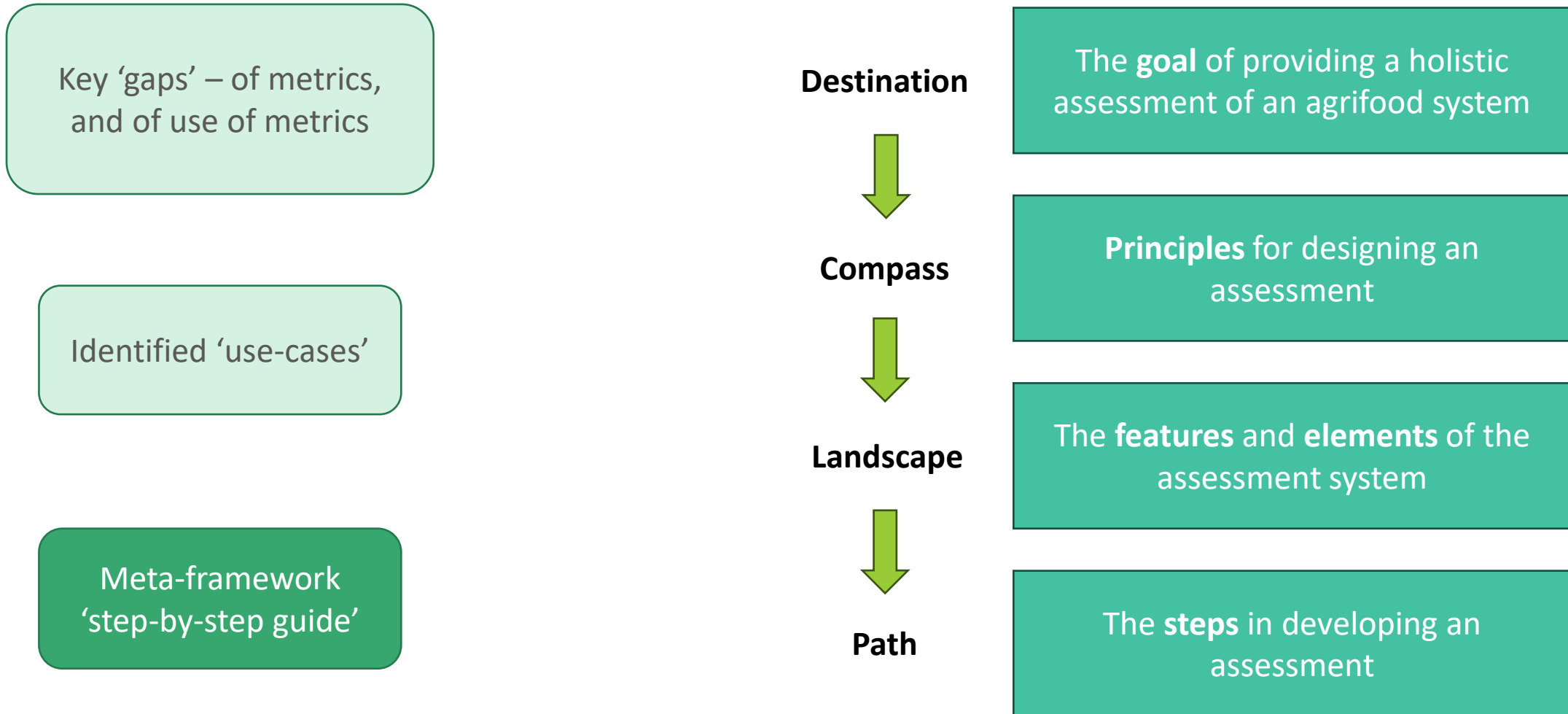
Portfolio Performance — "Better outcome metrics to allow aggregate view at large project or portfolio performance"

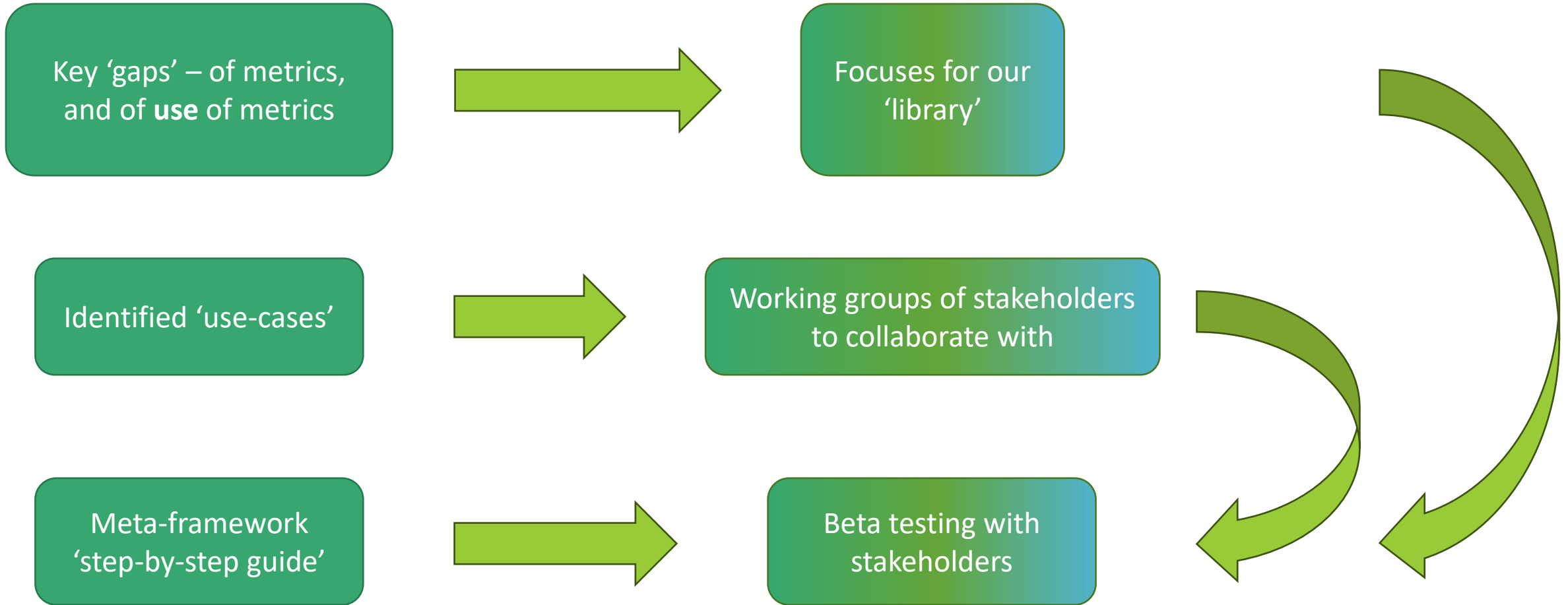Food System Domains — "Better metrics and analysis skills to monitor various food system domains"

Fuchs 2023

Learnings - Process

Key 'gaps' – of metrics, and of use of metrics

Identified 'use-cases'

Meta-framework 'step-by-step guide'

Destination → The **goal** of providing a holistic assessment of an agrifood system

Compass → **Principles** for designing an assessment

Landscape → The **features** and **elements** of the assessment system

Path → The **steps** in developing an assessment

Lamanna, Coe et al, 2024

Learnings and Action Points

Key 'gaps' – of metrics, and of **use** of metrics → Focuses for our 'library'

Identified 'use-cases' → Working groups of stakeholders to collaborate with

Meta-framework 'step-by-step guide' → Beta testing with stakeholders
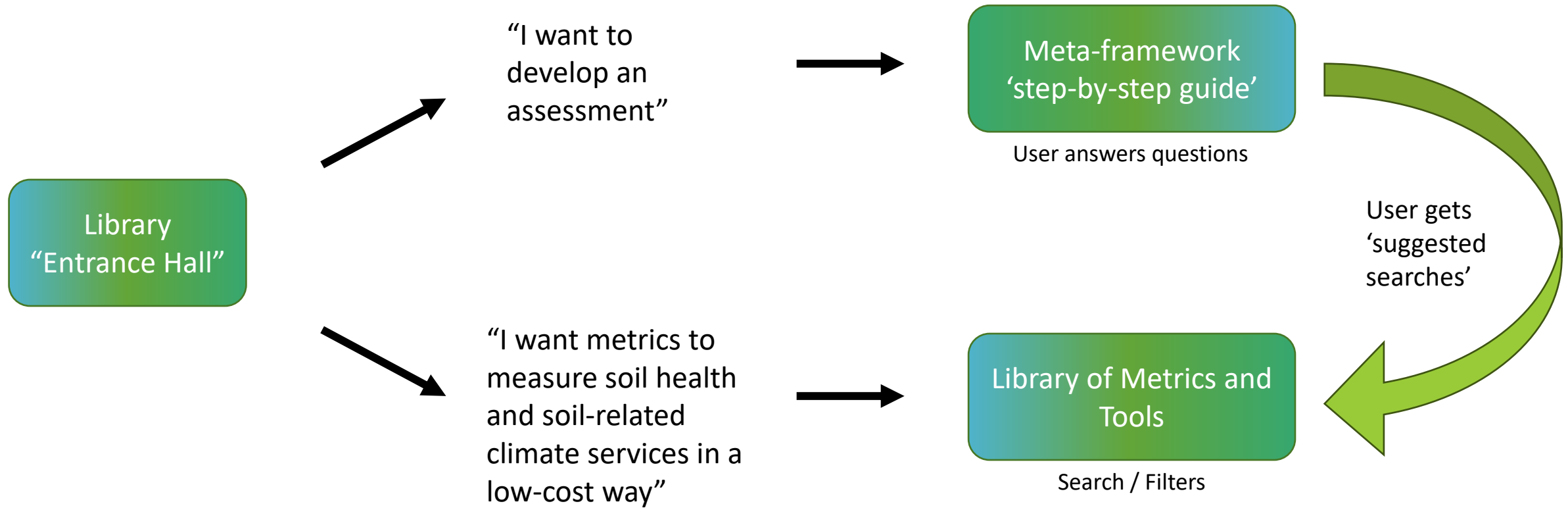
Metrics Project – Upcoming

- Refine data from review and create front-end for users
  - 'open-access' interface for the database due mid-2024.
  - Library of performance metrics due end of 2024.
- 'Beta test' meta-framework and library with stakeholders
  - Workshop to feedback results from interviews being planned
  - Aim to engage 'working groups' to help test products with different use-cases.
- Further engagements to support partners across the project countries.

Going beyond this project?

Thank you!