

INSPIRE- Crowd mapping platform

Specifications

1. Tender-ready Table of Requirements (MoSCoW)

Legend

- **M** = Must have (mandatory for compliance)
- **S** = Should have (important, high value)
- **C** = Could have (optional, added value)
- **W** = Won't have (out of scope for Activity 1.3)

1.1 Platform scope and access

| ID | Requirement | Priority |
|----|--|----------|
| R1 | The platform shall provide a public-facing portal for browsing mapped data without login | M |
| R2 | The platform shall provide a restricted E-Lab working environment accessible via authentication | M |
| R3 | The platform shall support territory-based workspaces aligned with pilot areas | M |
| R4 | The platform shall support a transnational workspace for cross-territory collaboration | S |
| R5 | The platform shall support multilingual content and interface (translations on the languages of the countries of the consortium members) | M |

1.2 Crowd mapping functionality

| ID | Requirement | Priority |
|-----|---|----------|
| R6 | The platform shall support participatory mapping of agrobiodiversity assets | M |
| R7 | The platform shall support participatory mapping of local actors | M |
| R8 | The platform shall support participatory mapping of tourism services linked to agrobiodiversity | M |
| R9 | The platform shall allow point, area, and route geometries | M |
| R10 | Mapped entities shall be interlinked (asset ↔ actor ↔ service) | M |
| R11 | The platform shall provide a guided submission wizard for contributors | M |

| ID | Requirement | Priority |
|-----|---|----------|
| R12 | The platform shall allow upload of supporting evidence (images, links, documents) | S |

1.3 Moderation and data quality

| ID | Requirement | Priority |
|-----|---|----------|
| R13 | All crowd submissions shall be subject to moderation before publication | M |
| R14 | Moderation shall be scoped by territory | M |
| R15 | The platform shall support edit proposals on published entries | M |
| R16 | The platform shall maintain a full audit trail of changes | M |
| R17 | The platform shall display verification status of mapped entities | S |

1.4 Map, search and visualisation

| ID | Requirement | Priority |
|-----|--|----------|
| R18 | The platform shall provide an interactive map with clustering | M |
| R19 | The platform shall provide synchronized map and list views | M |
| R20 | The platform shall provide filters by territory, entity type, and category | M |
| R21 | The platform shall provide keyword search | M |
| R22 | The platform shall support filtering by map viewport ("search this area") | S |

1.5 E-Lab collaboration and co-creation

| ID | Requirement | Priority |
|-----|---|----------|
| R23 | The platform shall provide collaborative territorial workspaces | M |
| R24 | Workspaces shall include document repositories | M |
| R25 | Workspaces shall include discussion threads | M |
| R26 | The platform shall provide tools for idea collection and prioritisation | S |

| ID | Requirement | Priority |
|-----|---|----------|
| R27 | The platform shall provide structured templates for co-creation outputs | S |

1.6 Variables, observations and insights

| ID | Requirement | Priority |
|-----|--|----------|
| R28 | The platform shall support collection of observations related to destination functioning | M |
| R29 | Observations shall be linkable to territories and/or mapped entities | M |
| R30 | Observations shall include provenance and confidence indicators | M |
| R31 | The platform shall provide basic territorial dashboards | S |

1.7 Outputs and reuse

| ID | Requirement | Priority |
|-----|--|----------|
| R32 | The platform shall support export of mapped data | M |
| R33 | The platform shall support export of co-creation outputs and action plans | S |
| R34 | The platform shall support replication of the platform for new territories | S |

1.8 Non-functional requirements

| ID | Requirement | Priority |
|-----|---|----------|
| R35 | The platform shall comply with GDPR requirements | M |
| R36 | The platform shall implement role-based access control | M |
| R37 | The platform shall meet WCAG 2.2 AA accessibility standards | S |
| R38 | The platform shall use open standards and open-source components where possible | S |

2. Procedures with suggested acceptance criteria

2.1 Crowd-mapping

P-01: Submit a mapped entity

As a registered contributor, I want to submit a new agrobiodiversity asset, local actor, or tourism service, so that it can be reviewed and added to the shared map.

Acceptance criteria

- User can select entity type
- User can place geometry on a map
- Mandatory fields are validated
- Submission status is set to *pending review*
- Submission is visible to moderators but not public

P-02: Browse the public map

As a public visitor, I want to browse mapped entities on a map and list, so that I can discover local agrobiodiversity and tourism resources.

Acceptance criteria

- Map loads without authentication
- Entities are clustered at low zoom
- List updates when map view changes
- Clicking an item opens a detail page

2.2 Moderation and quality control

P-03: Moderate submissions

As a territory moderator, I want to review and approve or reject submissions, so that only validated content is published.

Acceptance criteria

- Moderator sees a territory-specific queue
- Moderator can preview geometry and content
- Moderator can approve or reject with notes
- Approved items become publicly visible
- Rejected items notify the contributor

P-04: Propose edits to published content

As a registered user, I want to suggest edits to an existing mapped entity, so that information stays accurate over time.

Acceptance criteria

- Edit proposals do not alter published content immediately
- Proposed changes are visible as a diff to moderators
- Approved edits update the entity and audit log

2.3 E-Lab collaboration

P-05: Participate in a territorial workspace

As a local group member, I want to access my territory's workspace, so that I can collaborate with other stakeholders.

Acceptance criteria

- User sees only assigned territories
- Workspace includes documents and discussions
- Activity history is visible

P-06: Collect co-creation ideas

As a partner editor, I want to collect and organise ideas from stakeholders, so that they can inform action planning.

Acceptance criteria

- Ideas can be submitted via a form
- Ideas can be grouped or tagged
- Voting or prioritisation is possible
- Results can be exported

2.4 Variables and observations

P-07: Submit an observation

As a contributor or partner, I want to submit an observation about destination functioning, so that it informs analysis and planning.

Acceptance criteria

- Observation can be linked to territory or entity
- Variable type is selected from a controlled list

- Confidence level is recorded
- Observation is stored with timestamp and author

2.5 Outputs and reuse

P-08: Export mapped data

As a partner editor, I want to export mapped data, so that it can be reused in reports and external tools.

Acceptance criteria

- Export includes geometry and attributes
- Formats include CSV and GeoJSON
- Exports respect visibility and permissions

P-09: Draft an action plan

As a partner editor, I want to structure actions linked to mapped data, so that results can support governance and policy change.

Acceptance criteria

- Actions can be created and edited
- Actions link to entities and observations
- Actions include responsibilities and timelines
- Actions can be exported