



MrBot
Software Solutions

ClimMob Software

Testing Report

Metadata Forms

Results

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Form 1. Collaborators

Problem identified	MrBot recommendations
Redundancy with the "partners" question in Form 2.	<ul style="list-style-type: none"> Keep Form 1 as the main section to describe individuals who contributed to the execution of the trial, removing the redundant partner-related question from Form 2. Replace the field label "steps" with "activities" to better reflect the type of contribution made by each collaborator. Add new options to the activities list, including <i>training</i> and <i>other</i>, allowing users to specify additional activities when needed. Align the role field with the DataCite contributor types. Use the DataCite name format for the name field (e.g., ContactPerson), and display the label as "Contact person." Ensure that the exported JSON follows the DataCite standard.
Affiliations should be sourced from an indexed database.	<p>Using ROR as the sole source is not suitable for ClimMob's structure because its registry is highly granular — some organizations are listed by country or subunit (e.g., <i>Bayer – Indonesia</i>). This complexity could lead to inconsistent data management across projects and regions.</p> <p>MrBot recommends continuing to use ClimMob's internally curated affiliation list as the official reference for organizations and institutions. This list will be reviewed quarterly to ensure accuracy and updated using external sources such as ROR for validation and enrichment, especially for research organizations.</p>
Need to include project funders in the contributors form.	<ul style="list-style-type: none"> Add a new block in Form 1 titled "Funder." Include a single field labeled Organization, where users can enter the name of the funding institution. Make this field optional to accommodate projects without formal funding entities.

Form 2. Project design

Problem identified	MrBot recommendations
Redundancy across questions, which repeat information already covered in other sections (Partners and Special Features).	<ul style="list-style-type: none"> Remove the Partners question and merge its content into Form 1 (Contributors) to avoid duplication. Eliminate the Special Features question, as analysis of real user responses showed that it did not provide new or valuable information. Most answers repeated content already covered in the Experimental Design question (e.g., Tricot with ClimMob, Innovative methodologies, Variety-specific features, Environmental conditions, Participant engagement strategies, Technology and digital tools)
The Target Environment field overlaps with the Market Segment question, making the information redundant.	<ul style="list-style-type: none"> Review with the ClimMob team the actual need to keep the Target Environment field, since its content is already covered under Market Segment. Move the Market Segment question (currently in Form 3) to Form 2, consolidating related contextual information in one place.

Form 3. Market segment

Problem identified	MrBot recommendations
The Market Segment question needs to be moved to Form 2. Users currently select the segment by its short name but require full information for verification.	<ul style="list-style-type: none"> Move the Market Segment question from Form 3 to Form 2. Configure the field so that when the user selects a market segment using its short name, the full name (long version) is automatically displayed for confirmation.

Form 4. Participants

Problem identified	MrBot recommendations
The form is too long and repetitive, with multiple open text fields.	<ul style="list-style-type: none"> Simplify the first question (Describe how the sample size was calculated) by converting it from an open text field to a dropdown menu, using predefined options derived from real user responses Remove the second question (Describe how participants were selected for the trial), since its content is already covered by the following four questions in the form. Add a few additional options to the remaining questions, also based on actual user input, to better reflect real field practices. Rename the form from "Participants" to "Participant Recruitment" to more accurately represent its purpose.

Form 5. Tricot training

Problem identified	MrBot recommendations
The first part of the form is repetitive with Contributors and Partners, and the overall form too extensive.	<ul style="list-style-type: none"> Rename the form from "Tricot training" to "Capacity building." Transfer the "Training session description" question to the Contributors form. Add "Training" as an additional option under the "Activities" field. When "Training" is selected, an extra dropdown question will appear to capture how tricot was explained to participants, using predefined options derived from real user responses. Add more dropdown options on the remaining questions based on real user responses, reducing the need for open text input. Replace the question "Describe any follow-up procedures" with a dropdown question, using predefined options to simplify and standardize responses.

Form 6. Data collection

Problem identified	MrBot recommendations
The user is asked to answer something the platform already knows. For example, the question about the data collection input used is information that ClimMob can automatically retrieve.	<ul style="list-style-type: none"> Remove the data collection input question. Additional option: Add more predefined options to the question "Indicate the data collection method used."

Form 7. Results communication

Problem identified	MrBot recommendations
There is no question about how user feedback was received.	<ul style="list-style-type: none"> Add a new question to capture how feedback from participants was collected. Expand the dropdown options for the question "Indicate how results were communicated back to participants" based on real user responses.

Form 8. Varieties

Problem identified	MrBot recommendations
The form lacks sufficient explanation for users to understand the fields to be completed. The layout is too tight, making visualization and selection difficult.	<ul style="list-style-type: none"> Add an introductory explanation describing the table and its components. Include a guiding suggestion: "For each variety included in the trial, indicate its entry type and the target traits being evaluated." Expand the dropdown box for better visibility and usability.
The traits options do not accurately reflect the variety characteristics that should be selectable.	<ul style="list-style-type: none"> Add new options: Disease resistance and Pest resistance. Validate with Kae, Marie, and Jacob whether additional trait options should be included.

General and visual changes for the Trial Documentation section

Problem identified	MrBot recommendations
The overall visualization of the Trial Documentation section is not user-friendly.	<p>(In the new user interface):</p> <ul style="list-style-type: none"> • Implement a top navigation bar to allow users to easily move between forms. • Apply a full-page view for each form to improve readability and user experience.
The numbering of the forms is confusing and suggests a specific order. Also, the names of the forms are also inconsistent in format.	<ul style="list-style-type: none"> • Remove the numbering from all forms to avoid implying a fixed sequence. • Standardize the forms titles by using sentence case instead of all caps.
The “List of forms to be completed” table takes up too much screen space.	<ul style="list-style-type: none"> • Remove the “Actions” button, making each form name clickable instead. • Eliminate the Actions column to streamline the layout. • Reduce the column widths to optimize screen space.
The alert message “Please check your selected language.” appears in every form, but users do not understand its purpose or what action to take.	<ul style="list-style-type: none"> • Replace the alert message with a clearer, shorter and more informative version: “Attention: Free-text responses are not automatically translated. To ensure consistency, we recommend using a single language when editing your project metadata.” • Keep the message visible in each form, since metadata can be edited separately, ensuring users remain aware of the language context throughout the process. The alert will also be collapsible, allowing users to hide it once they have acknowledged the information.
It is not clear the more than option could be selected.	<ul style="list-style-type: none"> • Add the instruction “Select all that apply” to all multiple-choice questions where more than one option can be selected.
“Not applicable” option is missing.	<ul style="list-style-type: none"> • Add a “Not applicable” option to all relevant questions.

General and visual changes for the overall platform

Problem identified	MrBot recommendation
<p>The user suggested improving the visual identification of crops and traits by adding geographical context and visual cues (e.g., crop images, icons, or emojis) to enhance recognition and make navigation more engaging</p>	<ul style="list-style-type: none">Consider this suggestion for the new user interface design, to improve visual clarity and user experience in future updates.