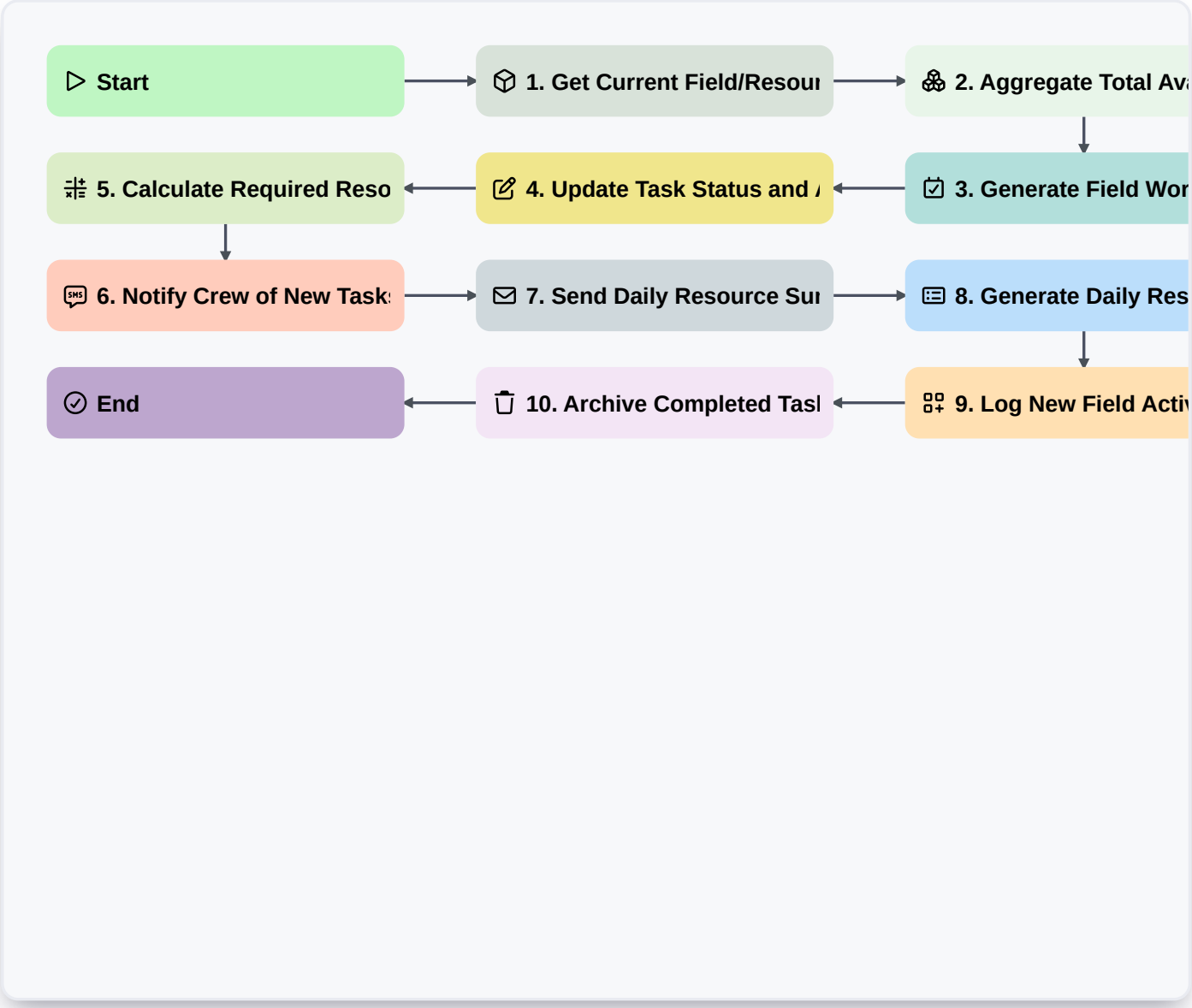
ChecklistGuro

Agricultural Resource Allocation Workflow: Smart Farm Management For Efficiency



Start
Start of the Workflow/Process.

1. Get Current Field/Resource Data
Retrieves real-time data on available resources (e.g., machinery status, labor capacity) from the relevant data models.

2. Aggregate Total Available Resources
Calculates the total available resources (e.g., total man-hours, total equipment hours) from multiple data entries.

3. Generate Field Work Tasks
Creates specific, actionable tasks for field personnel based on the calculated resource needs and crop requirements.

4. Update Task Status and Assignments
Updates the status of created tasks (e.g., 'Assigned', 'In Progress', 'Completed') and assigns specific personnel.

5. Calculate Required Resource Units
Executes formulas to determine the precise amount of resources needed for the assigned tasks (e.g., acres * required chemical rate).

6. Notify Crew of New Tasks via SMS
Sends immediate alerts (SMS) to field crew members detailing their newly assigned tasks and locations.

7. Send Daily Resource Summary Report
Sends automated email summaries to farm managers detailing resource consumption and daily progress.

8. Generate Daily Resource Utilization Report
Creates a structured report detailing resource allocation, usage, and any potential bottlenecks for review.

9. Log New Field Activity Entry
Creates a formal record (entry) in the system for any action taken in the field (e.g., spraying, planting).

10. Archive Completed Task Records
Removes or archives records for tasks that have been finalized to maintain clean historical data.

End
End of the Workflow/Process.