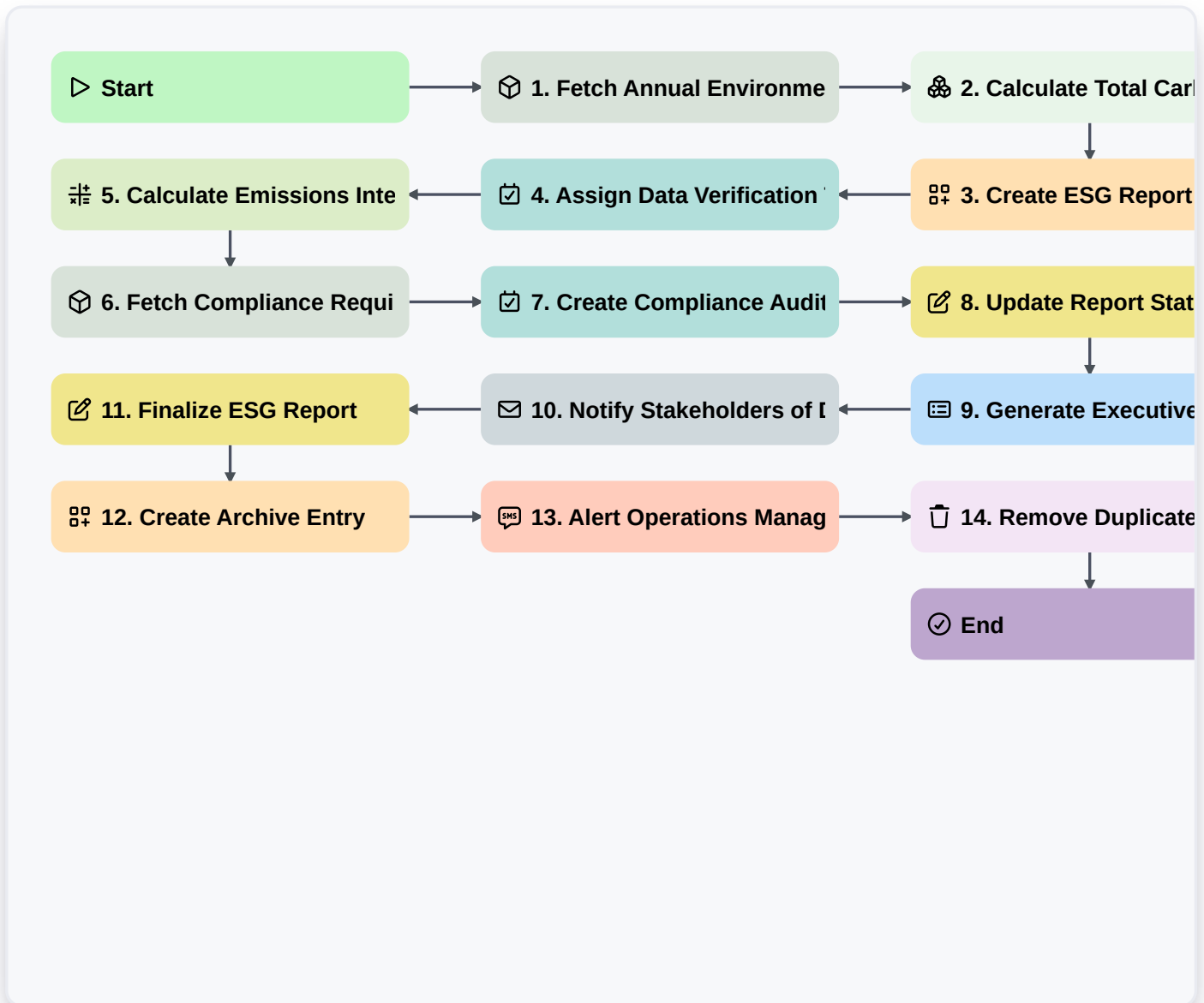


Sustainability And ESG Reporting Workflow



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Annual Environmental Data

Retrieve raw energy, water, and waste consumption entries from the Environmental Data Model for the current fiscal year.

🔗 2. Calculate Total Carbon Footprint

Sum the CO₂e values from all retrieved energy and fuel entries to calculate total Scope 1 and Scope 2 emissions.

📄 3. Create ESG Report Draft

Generate a new entry in the 'ESG Reports' data model containing the calculated emissions and period metadata.

📝 4. Assign Data Verification Task

Create a task for the Sustainability Officer to review the accuracy of the aggregated carbon footprint data.

📊 5. Calculate Emissions Intensity

Divide the total carbon footprint by the total revenue (from the Financial Data Model) to determine the carbon intensity ratio.



6. Fetch Compliance Requirements

Retrieve the latest regulatory checklist and reporting standards from the Regulatory Framework data model.

7. Create Compliance Audit Task

Create a task for the Legal Team to ensure the report meets the retrieved regulatory requirements.

8. Update Report Status to 'Under Review'

Update the status field of the ESG Report entry to reflect that the verification process has started.

9. Generate Executive Summary Report

Create a formal PDF/Visual report summarizing the findings, aggregates, and compliance status for stakeholders.

10. Notify Stakeholders of Draft Availability

Send an email to the Board of Directors and Sustainability Committee informing them that the draft report is ready for review.

11. Finalize ESG Report

Update the ESG Report entry status to 'Published' and timestamp the finalization.

12. Create Archive Entry

Create an entry in the 'Historical Archives' data model to preserve the finalized report for year-over-year comparison.

13. Alert Operations Manager

Send an SMS to the Operations Manager if the aggregated emissions exceed the predefined threshold (target for variance).

14. Remove Duplicate Data Entries

Delete any duplicate or erroneous data entries identified during the verification task.

End

End of the Workflow/Process.