

EcoArtTrack

A Salesforce-powered app to track, analyze, and optimize carbon emissions and sustainability goals using AI-driven insights and automated reporting.

Deliverables

Creation of three custom objects:

- Material (fields for category, cost, carbon per unit, supplier, etc.)
- Project (budget, goal CO₂, totals, progress %)
- Usage (child of Project, calculates CO₂ and cost)

Configuration of fields, formula fields, validation rules, and roll-up summaries

One record-triggered Flow to update status and trigger an email when a project meets its CO₂ goal

Quick Action on Project to add usage easily

Basic Lightning App with navigation tabs

Dashboard and Reports to show total CO₂ saved, top materials, and progress

Import of sample data (provided)

Brief handoff or short notes on the configuration



EcoArtTrack

App Flow Overview

The EcoArtTrack app is designed to track and reduce carbon emissions by promoting the use of environmentally friendly materials across projects.

- The Project object is used to track sustainability initiatives — each project defines a CO₂ reduction goal and monitors progress toward achieving it.
- The Material object stores details of various materials, including their carbon impact and cost, allowing teams to select eco-friendly options.
- The Usage object records how materials are being used in each project, helping calculate total CO₂ emitted and total CO₂ saved.


The system automatically:

- Calculates project progress toward the CO₂ goal.
- Updates the status when the goal is achieved.
- Sends an email notification to the project owner.
- Uses AI summaries to provide a clear overview of project performance and related data.

Overall, the flow ensures organizations can measure, analyze, and optimize their carbon-saving efforts efficiently.


Installation URL

<https://login.salesforce.com/packaging/installPackage.apexp?p0=04tdL000000ECNt>


Package Manager

Package Version
EcoArt Track Winter 26, Version 1.0
[Help for this Page](#)

[« Back to Package](#)


Tip: Publishing to AppExchange
You can make your package publicly available to other salesforce.com users on AppExchange. [Tell me more!](#)

Version Detail
[Deprecate](#)

Package Name	EcoArt Track Winter 26	Uploaded By	Saachi Padh , 10/26/2025, 11:29 PM
Version Name	EcoTrack 26		
Version Number	1.0		
Description		Password Protected	<input type="checkbox"/> [Change Password]
Installation URL	https://login.salesforce.com/package/installPackage.apexp?po=04tdL000000EGBN		

Package Components

▼ Tabs (3)

Component Name	Parent Object	Component Type
Usage		Tab
Material		Tab
Project		Tab

▼ Pages (3)

Component Name	Parent Object	Component Type
Project_Record_Page		Lightning Page
EcoTrack_UtilityBar		Lightning Page
Home1		Lightning Page

▼ Apps (1)

Component Name	Parent Object	Component Type
----------------	---------------	----------------

Home Screen:

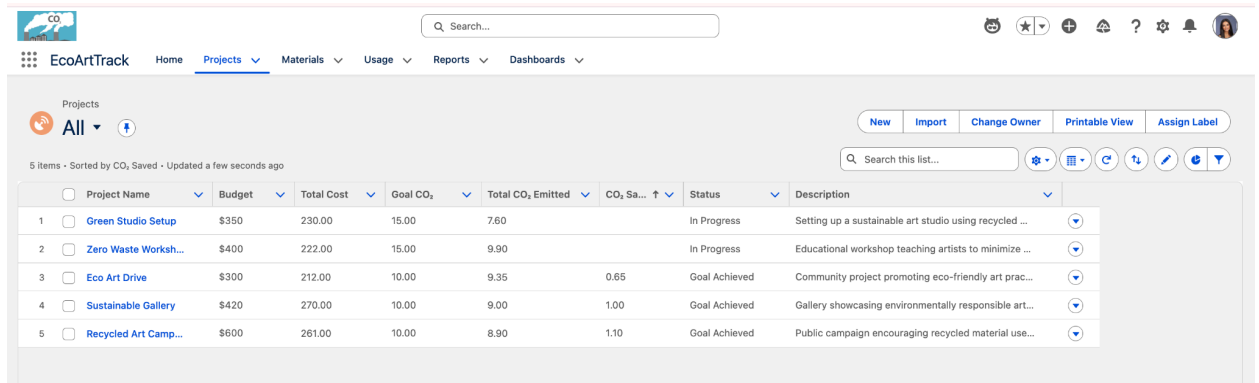
- We have also added a home screen where users can directly view the dashboards, instead of navigating to Reports and Dashboards individually.

Objects:

Project

- Project Name
- Budget
- CO₂ Saved
- Description
- Goal CO₂
- Progress Percentage
- Project Summary

- Status
- Total Cost
- Total CO₂ Emitted



The screenshot shows the EcoArtTrack web application. The top navigation bar includes the EcoArtTrack logo, a search bar, and various utility icons. The main navigation menu has links for Home, Projects (selected), Materials, Usage, Reports, and Dashboards. The Projects section is active, displaying a table of 5 items. The table columns are: Project Name, Budget, Total Cost, Goal CO₂, Total CO₂ Emitted, CO₂ Sa... (likely Saved), Status, and Description. The projects listed are: Green Studio Setup, Zero Waste Worksh..., Eco Art Drive, Sustainable Gallery, and Recycled Art Camp....

	Project Name	Budget	Total Cost	Goal CO ₂	Total CO ₂ Emitted	CO ₂ Sa...	Status	Description
1	Green Studio Setup	\$350	230.00	15.00	7.60		In Progress	Setting up a sustainable art studio using recycled ...
2	Zero Waste Worksh...	\$400	222.00	15.00	9.90		In Progress	Educational workshop teaching artists to minimize ...
3	Eco Art Drive	\$300	212.00	10.00	9.35	0.65	Goal Achieved	Community project promoting eco-friendly art prac...
4	Sustainable Gallery	\$420	270.00	10.00	9.00	1.00	Goal Achieved	Gallery showcasing environmentally responsible art...
5	Recycled Art Camp...	\$600	261.00	10.00	8.90	1.10	Goal Achieved	Public campaign encouraging recycled material use...

Material

- Material Name
- Carbon per Unit Kg
- Category
- Cost per Unit
- Description
- Supplier(Account)

Q Search...

EcoArtTrack

Home

Projects

Materials

Usage

Reports

Dashboards

Materials

All

New

Import

Change Owner

Printable View

Assign Label


Q Search this list...

13 items - Sorted by Carbon per Unit Kg - Updated a few seconds ago









	Material Name	Category	Cost per Unit	Carbon per Unit Kg	Supplier	Description
1	<input type="checkbox"/> Acrylic Paint	Paint	\$10.00	0.80	ArtHouse Supplies	High-quality acrylic paint used for canvas work.
2	<input type="checkbox"/> Cotton Canvas Roll	Canvas	\$18.00	0.65	EarthTone Creations	Premium cotton canvas roll for professional use.
3	<input type="checkbox"/> Canvas Board	Canvas	\$15.00	0.60	CraftMaster Ltd.	Pre-stretched canvas board for painting.
4	<input type="checkbox"/> Reclaimed Wood Frame	Wood	\$20.00	0.55	GreenFrame Co.	Eco wood frame made from reclaimed timber.
5	<input type="checkbox"/> Watercolor Paint	Paint	\$10.00	0.55	EcoCraft Materials	Eco-friendly watercolor paint with vibrant colors.
6	<input type="checkbox"/> Wooden Easel	Wood	\$22.00	0.50	EcoCraft Materials	Reusable wooden easel made from FSC-certified wood.
7	<input type="checkbox"/> Plant-Based Paint	Paint	\$11.00	0.45	NatureWorks Studio	Low-carbon paint derived from plant-based pigments.
8	<input type="checkbox"/> Organic Cotton Fabric	Fabric	\$14.00	0.40	PureWeave Fabrics	Soft organic fabric made from renewable cotton.
9	<input type="checkbox"/> Bamboo Fabric	Fabric	\$13.00	0.38	BambooArt Tools	Lightweight bamboo fabric for eco-friendly art projects.
10	<input type="checkbox"/> Bamboo Paper	Paper	\$7.00	0.35	BioBond Adhesives	Smooth bamboo-based paper with low carbon footprint.
11	<input type="checkbox"/> Handmade Paper	Paper	\$6.00	0.30	EcoVision Traders	Artisan handmade paper crafted from recycled fibers.
12	<input type="checkbox"/> Cork Board	Wood	\$9.00	0.28	Sustainable Source	Renewable cork board used for display and mounting.
13	<input type="checkbox"/> Recycled Paper	Paper	\$5.00	0.25	GreenLeaf Co.	100% recycled paper for sketching and printing.

Usage

- Usage Name (Auto Number)
- Cost
- CO₂ Emitted
- Date Used
- Material(lookup)
- Notes
- Project(master-detail)
- Quantity



Q Search...

EcoArtTrack

Home
Projects
Materials
Usage
Reports
Dashboards

Usage

All

+








New

Import

Printable View

Assign Label

Q Search this list...

14 Items • Sorted by Usage Name • Updated a few seconds ago

	<input type="checkbox"/> Usage Name ↑	<input type="checkbox"/> Project	<input type="checkbox"/> Material	<input type="checkbox"/> Quantity	<input type="checkbox"/> CO ₂ Emitted	<input type="checkbox"/> Cost	<input type="checkbox"/> Date Used	
1	<input type="checkbox"/> USG-0001	Eco Art Drive	Acrylic Paint	2.00	1.60	20.00	10/20/2025	⌵
2	<input type="checkbox"/> USG-0002	Eco Art Drive	Recycled Paper	8.00	2.00	40.00	10/20/2025	⌵
3	<input type="checkbox"/> USG-0003	Green Studio Setup	Canvas Board	6.00	3.60	90.00	10/21/2025	⌵
4	<input type="checkbox"/> USG-0004	Green Studio Setup	Organic Cotton Fabric	10.00	4.00	140.00	10/21/2025	⌵
5	<input type="checkbox"/> USG-0005	Sustainable Gallery	Reclaimed Wood Frame	10.00	5.50	200.00	10/22/2025	⌵
6	<input type="checkbox"/> USG-0006	Sustainable Gallery	Bamboo Paper	10.00	3.50	70.00	10/22/2025	⌵
7	<input type="checkbox"/> USG-0007	Zero Waste Workshop	Handmade Paper	15.00	4.50	90.00	10/23/2025	⌵
8	<input type="checkbox"/> USG-0008	Zero Waste Workshop	Plant-Based Paint	12.00	5.40	132.00	10/23/2025	⌵
9	<input type="checkbox"/> USG-0009	Recycled Art Campaign	Cork Board	5.00	1.40	45.00	10/24/2025	⌵
10	<input type="checkbox"/> USG-0010	Recycled Art Campaign	Wooden Easel	3.00	1.50	66.00	10/24/2025	⌵
11	<input type="checkbox"/> USG-0011	Recycled Art Campaign	Canvas Board	10.00	6.00	150.00	10/9/2025	⌵
12	<input type="checkbox"/> USG-0012	Eco Art Drive	Canvas Board	5.00	3.00	75.00	10/16/2025	⌵
13	<input type="checkbox"/> USG-0013	Eco Art Drive	Plant-Based Paint	5.00	2.25	55.00	10/9/2025	⌵
14	<input type="checkbox"/> USG-0018	Eco Art Drive	Wooden Easel	1.00	0.50	22.00	10/22/2025	⌵

Flows / Automations:

- Calculate Cost and CO2 Used
- Project_Status_Update_and_Notification
- Project Record Summary Prompt Template

Email Template:

- **Send Email When Goal Achieved**
 - Sends an email to the Project Owner when the CO₂ goal is achieved.

Email Alert:

- **Send Email When Goal is Achieved**
 - Sends an email to the Project Owner when the CO₂ goal is achieved.

Reports and Dashboards:

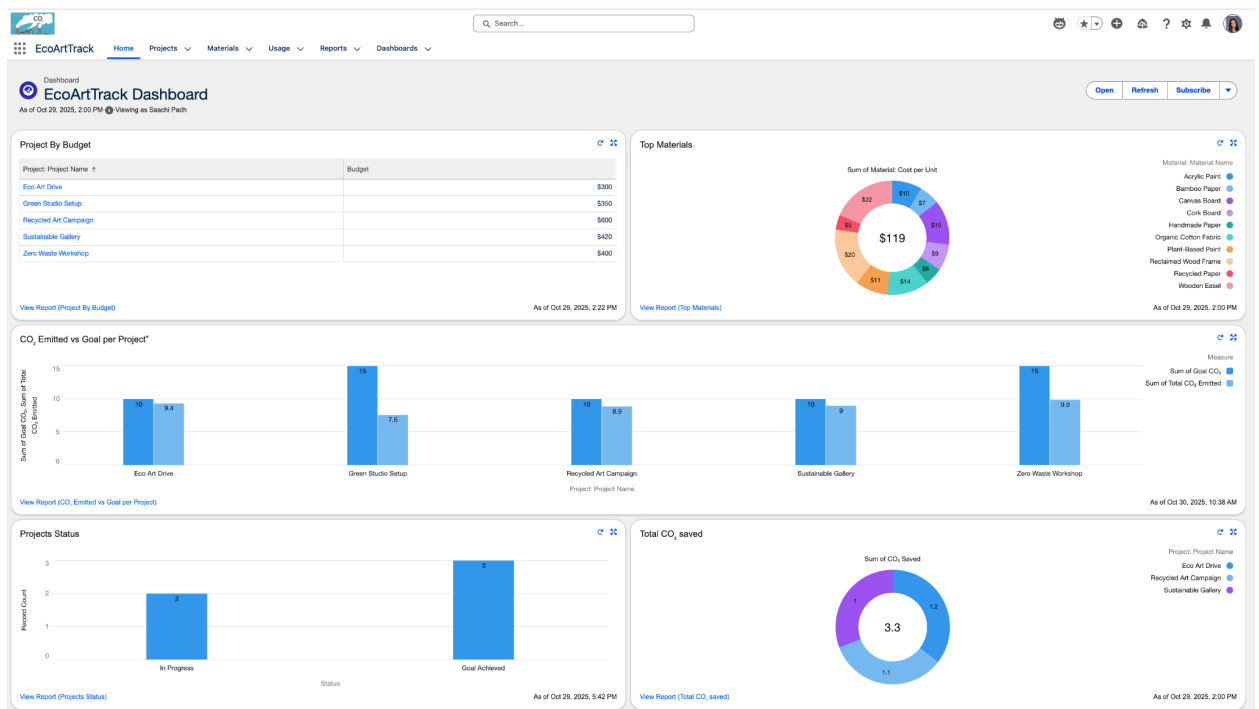
We have also added sample data in all objects, and based on that, we have created reports and dashboards to visualize project performance and CO₂ impact metrics.

Reports:

- Total CO₂ saved
- Projects Status
- Emission, goal, and progress %
- Top Materials
- Project By Budget

Dashboards:

- EcoArtTrack Dashboard



Additional Functionality:

- Prompt Builder functionality enabled.

- Added a **Record Summary** field that uses AI to automatically summarize project and related records.
- Created a **Screen Flow** to generate a summarized view of project data, including related records.

Prompt Templates Name:

- Project Record Summary

CO₂

Footprint

EcoArtTrack

Home

Projects

Materials

Usage

Reports

Dashboards

Q Search...

Project

Eco Art Drive

Add Usage

Submit for Approval

Clone

Project Record Summary Prompt Template

Project Summary: Eco Art Drive

The Eco Art Drive is a community initiative focused on promoting eco-friendly art practices. The project has successfully achieved its goal of reducing CO₂ emissions, with a target of 10 kg and an actual total emission of 9.35 kg, resulting in a CO₂ saving of 0.65 kg.

Usage Analysis

The total amount of materials used across various records indicates a significant engagement in eco-friendly practices. The overall CO₂ emitted from these materials is 9.35 kg, with an average CO₂ usage of approximately 1.57 kg per usage record. Major contributing materials include Acrylic Paint, Recycled Paper, Canvas Board, Plant-Based Paint, and Wooden Easels. The general spending trend shows a moderate cost of usage, with individual expenses ranging from 20.0 to 75.0, reflecting a balanced approach to material acquisition.

Environmental Impact Trend

The overall environmental impact appears to be improving, as the project is achieving its emissions reduction goals.

Current Progress and Recommendations

Currently, the project is on track toward its CO₂ reduction goal, having achieved 0.94% of the target. To maintain this trajectory, it is essential to continue monitoring material usage and CO₂ emissions closely. Implementing further reduction actions, such as sourcing lower-emission materials, may enhance overall sustainability and ensure compliance with CO₂ limits.

Related

Details

Information

Project Name

Eco Art Drive

Budget

\$300

Status

Owner

Saachi Padhi

Activity

Filters: All time • All activities • All types

Refresh • Expand All • View All

Upcoming & Overdue

No activities to show.

Get started by sending an email, scheduling a task, and more.

No past activity. Past meetings and tasks marked as done show up here.

- Project Summary

CO

EcoArtTrack

Home

Projects

Materials

Usage

Reports

Dashboards

Q Search...

🐱

★

+

🏠

?

⚙️

🔔

Project

Eco Art Drive

Add Usage

Submit for Approval

Clone

▼

Information

Project Name

Eco Art Drive

✎

Budget

\$300

✎

Status

Goal Achieved

✎

Goal CO₂

10.00

✎

Total CO₂ Emitted

9.35

✎

CO₂ Saved

0.65

✎

Total Cost

212.00

✎

Description

Community project promoting eco-friendly art practices.

✎

CO₂ Emitted vs Goal per Project

0.94

✎

Project Summary

The Eco Art Drive project successfully achieved its CO₂ goal of 10 kg, emitting a total of 9.35 kg and saving 0.65 kg of CO₂. With a progress rate of 0.94%, this community initiative effectively promoted eco-friendly art practices, contributing positively to environmental sustainability.

✎

Owner

Saachi Padh

👤

System Information

Created By

Saachi Padh

10/26/2025, 10:21 PM

Last Modified By

Saachi Padh

10/29/2025, 3:24 PM