

ARTICLE 6 PIPELINE

Article 6 project opportunities
for accelerated NDC implementation

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Article 6 Pipeline Overview

Our aim

Provide insights on the development of Article 6 activities and their impacts on countries' NDC and SDGs at the national and global level



Activities' tracking and classification

- 30+** Activity types
- 150+** Activity subtypes
- 6** Sectors



Sustainable Development Impacts

Insights from Article 6.4 Sustainable Development tool and initial reports



Institutional arrangements

- A6.2 Bilateral agreements
- Information from CARP
- Host Party Participation Requirements
- Eligibility lists



Existing climate policy

- Country **NDC commitment**
- **Net Zero** targets
- Current **emissions profile**



United Nations
Climate Change

UNFCCC as a strategic partner: The Article 6 Pipeline data is gathered through a strategic collaboration with the UNFCCC

Article 6 as a tool for NDC implementation



Most NDCs already cover the waste sector

162 Parties with a submitted NDC include waste in their sector coverage, so the demand for waste mitigation is already stated at national level.



Article 6 can be a tool to achieve country's NDC targets

Article 6 can be used to achieve NDC targets through international cooperation, bringing finance to mitigation a country has identified as a priority.



The eligibility signal under PACM already exists

34 of 66 Parties explicitly name landfill gas in the activities they would consider approving under PACM, which is the earliest signal a developer can act on.

What is PACM and why landfill gas



What is PACM

Successor to the CDM

The centralised crediting mechanism established under Article 6.4 of the Paris Agreement.

Run by a Supervisory Body

It approves methodologies, registers activities and accredits the auditors.

Host country approval required

No activity is registered without it, and each Party sets out which sectors it will consider.



Where the methodologies are

Flaring or use of landfill gas

Approved October 2025.

N2O abatement from nitric acid production

Approved May 2026.

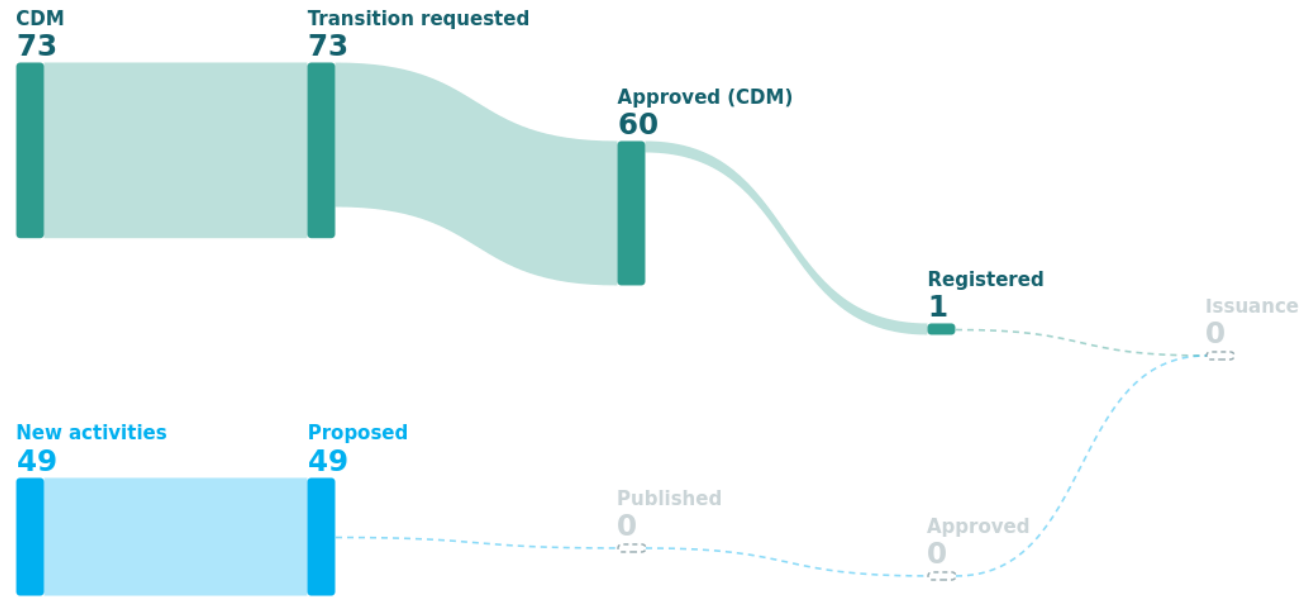
Electricity generation from renewable sources connected to an electricity system

Approved July 2026.

Landfill gas is one of only three approved PACM methodologies.

The methodology library, not the mitigation potential, is what currently gates project development.

Landfill gas activities under CDM and PACM



Landfill gas activities in the PACM pipeline. Counts are cumulative, so each stage includes activities that have since moved further along.

73 landfill gas activities
Requested transition from CDM,
mostly under ACM0001

49 Proposed PACM activity
Through submitted PCNs

1 Registered PACM activities

A large CDM precedent but a much smaller live pipeline.

Counting activities tells you what people intend. Counting how many have cleared each gate tells you what the market is.

Screening landfill sites with Climate TRACE



Purpose

Identify and size specific landfill sites where an Article 6 activity could be developed.



Scope

Only **solid waste disposal** is in scope. Wastewater, biological treatment and incineration are excluded, because no approved PACM methodology exists for them.



Climate TRACE data files used

<code>solid-waste-disposal_emissions_sources</code>	asset-level emissions
<code>..._emissions_sources_confidence</code>	qualitative confidence rating per field
<code>detailed_data_schema_v5_9_0</code>	to decode the subsector-specific other1–other10 fields

Mapping Climate TRACE fields to AMM-001

lat, lon, name	Does the site exist and if so, where is it?	AMM-001 attaches to a named disposal site. Para 22 requires a KML polygon, and coordinates are the starting point for it.
emissions_quantity	Is there enough methane to be worth capturing?	A gas collection system costs millions regardless of site size.
activity	Waste in place: will the gas last, and how much?	Buried tonnage drives volume and duration across a 10- or 15-year crediting period, and it is the input the first-order-decay estimate requires.
activity ÷ emissions	Are the two figures physically consistent?	Waste can only decay so fast. A site reporting high emissions on a small buried tonnage suggests one of the two figures needs checking, so the pair validates both.
source_type	How much of the gas can be collected?	Site type sets how much gas a collection system could realistically pull once installed. An engineered sanitary landfill supports far higher collection efficiency than an unlined open dump.
other6 status	Which additionality test applies?	Para 28 deems closed and new sites free of lock-in risk. Active sites fall under para 29 and must show credit revenue does not obstruct waste diversion.
other7 gas capture	Is the opportunity still available?	No existing system is the clean case under para 11(a). An existing one needs historical capture data, or no credits at all.
confidence	How much weight can each number bear?	Emissions confidence validates the site and waste-in-place confidence validates the sizing.

Open questions

Screening is not crediting

Asset-level data narrows the search, but the credited volume is only the gas metered as captured at the site.

Baselines fall over time

Under the PACM baseline standard, the baseline is adjusted downward each year, so the same site would produce less credits as crediting period runs.

Timelines are untested

Authorization is a host country prerogative, and few have run the full process even once, so the timeline depends on bringing the host in early rather than on the project schedule.

Coverage is uneven

Coverage of the gas-capture data is thin, so most sites read blank whether a system exists, which means the existing-capture check that drives additionality cannot be done from the data alone.

Upfront financing is key

A gas-capture project spends millions on wells, collection and flaring, and often on capping and putting the fire out first, years before it issues a credit. Raising that upfront capital is a binding constraint.

Where to start



Developers

Screen before you scope. Check whether the site already captures gas, and whether capture is already common in that country.



Financial organisations

Look at host country readiness as early as you look at the landfill gas assets. A good landfill in a country that will not authorise is not a project, and readiness takes minutes to check.



Host governments

Submit/Update the Host Party Participation Requirements to identify which sectors and activities you may consider authorising under PACM.

Access the Article 6 Pipeline

