

CLIMATE  
POLICY  
INITIATIVE

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# The Methodology behind the Global Landscape of Climate Finance 2025

December 2<sup>nd</sup>, 2025

# Context

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## Webinar agenda

Why do we need a number?

How does CPI produce this number?

What makes CPI confident in this number?

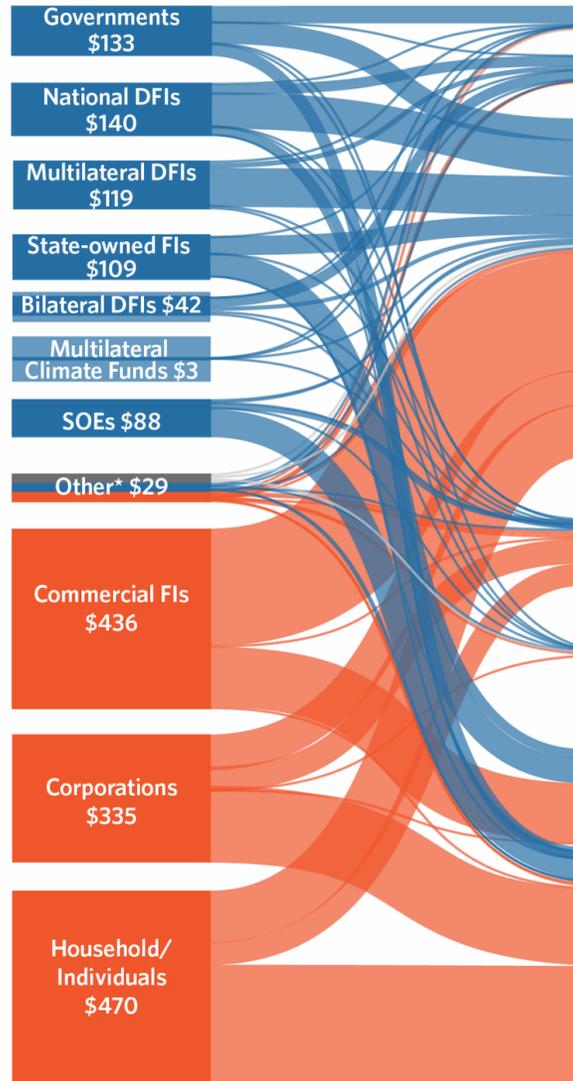
How is this number used?

# LANDSCAPE OF CLIMATE FINANCE IN 2023

Values are in USD billion

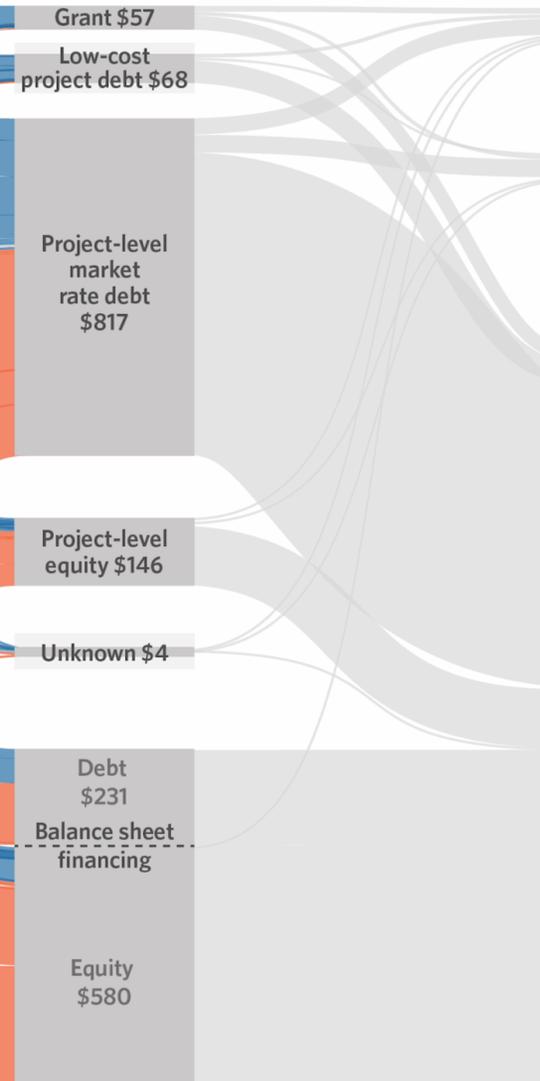
## SOURCES AND INTERMEDIARIES

Which types of organizations are sources or intermediaries of capital for climate finance?



## INSTRUMENTS

What mix of financial instruments is used?



## USES

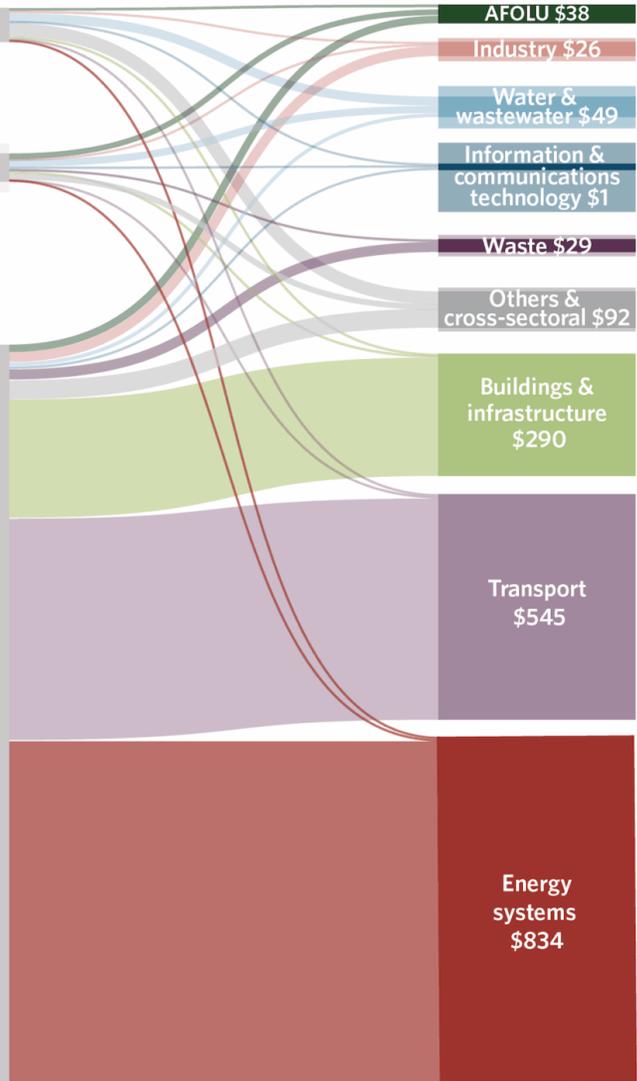
What types of activities are financed?



**1.9** TRILLION USD IN 2023

## SECTORS

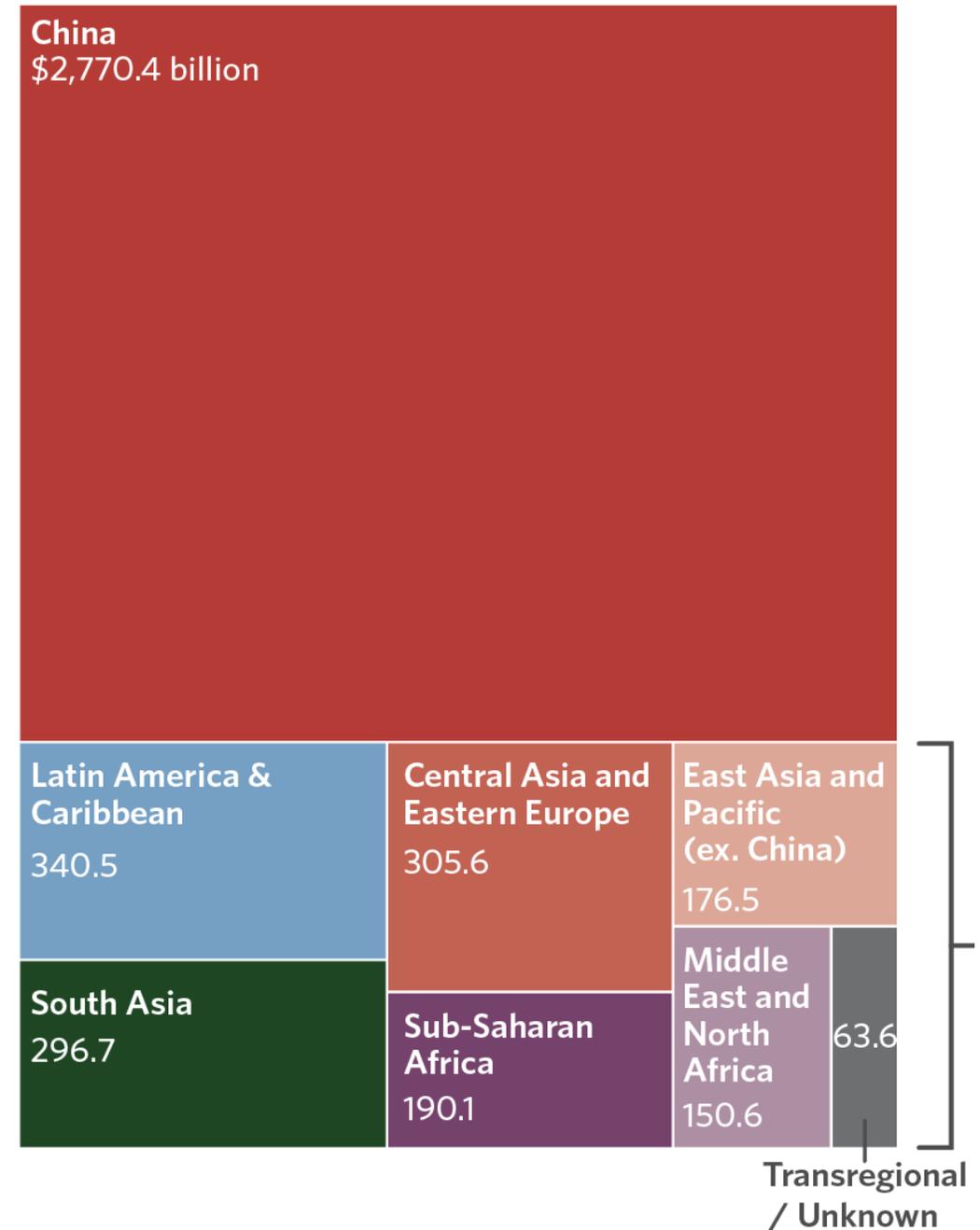
What is the finance used for?



## The value of a number

- **More than a decade of data:** uniquely comprehensive assessment of climate finance flows, updated annually since 2011.
- **State of play:** global evidence base on where climate finance comes from, who it flows to, and in what forms it is provided.
- **Transparency and accountability:** provides baseline for measuring progress in real time.
- **Gaps and opportunities:** guides effective capital allocation and strong climate policy making.

Regional breakdown of climate finance to EMDEs



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# Over a decade of climate finance tracking progress

## ABSTRACT

Developed countries have committed under the international negotiations to jointly mobilising USD 100 billion per year by 2020 for climate change mitigation and adaptation in developing countries. Yet consistent and comprehensive data to track this commitment are currently lacking. Such data will also help governments and the private sector understand how much and what type of climate finance is flowing today, so as to be able to evaluate progress and effectiveness of international climate finance flows. Estimates based on available data are highly uncertain and incomplete, highlighting several challenges in establishing a robust tracking system.

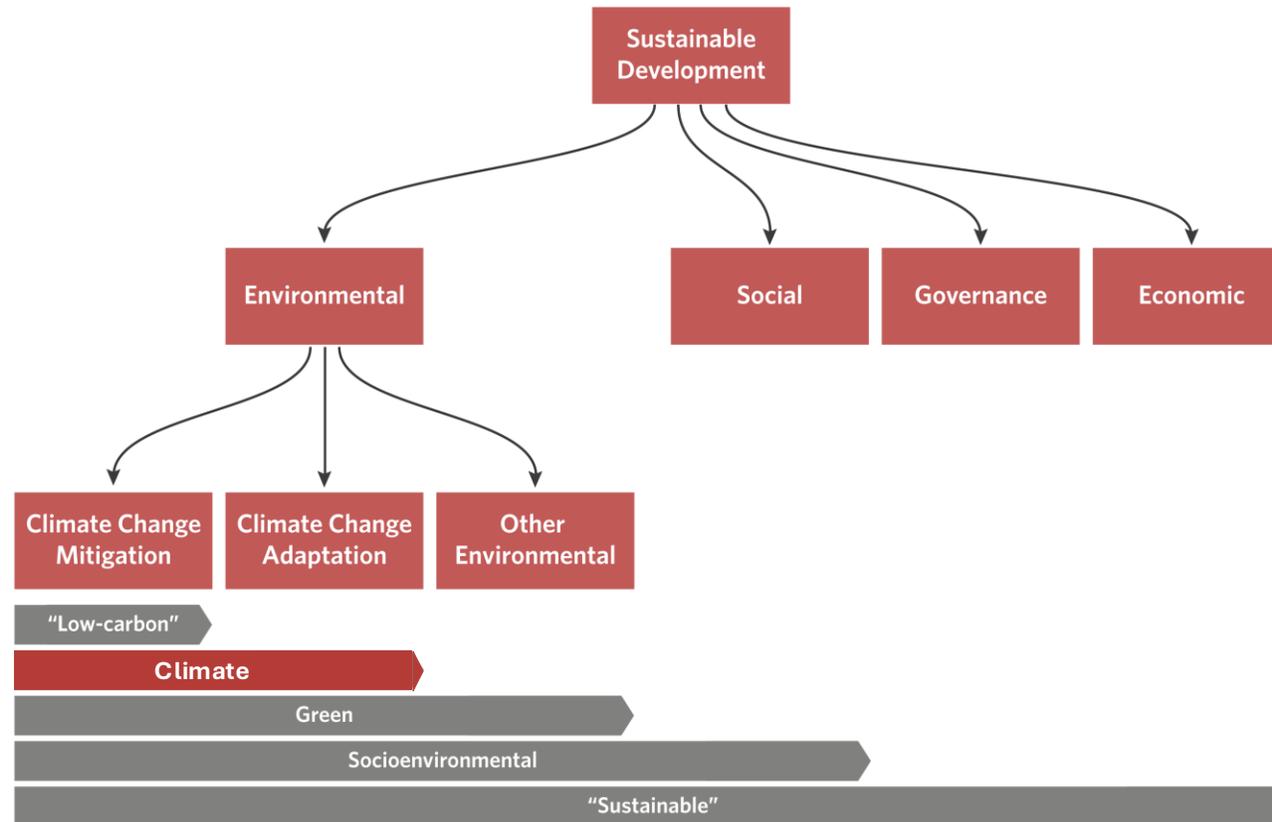
OECD (2012) *Tracking Climate Finance: What and How?*

# Definitons of Climate Finance

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# What is climate finance?

*“Climate finance aims at reducing emissions, and enhancing sinks of greenhouse gases, aims at reducing vulnerability, increasing adaptive capacity, and mainstreaming and increasing resilience of human and ecological systems to negative climate change impacts.” (UNFCCC SCF, 2024)*



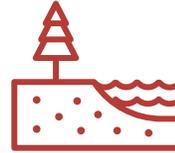
Source: UNEP Inquiry 2016

# CPI's working climate finance definition



## Mitigation finance

*Resources directed to activities either: contributing to reducing or avoiding GHG emissions, including gases regulated by the Montreal Protocol; or maintaining or enhancing GHG sinks and reservoirs.*



## Adaptation finance

*Resources directed to activities aimed at reducing the vulnerability of human or natural systems to the impacts of climate change and climate-related risks, by maintaining or increasing adaptive capacity and resilience.*



## Dual benefits finance

*Resources directed to activities contributing to both “climate change mitigation” and “climate change adaptation” and meeting the respective criteria for each category.*



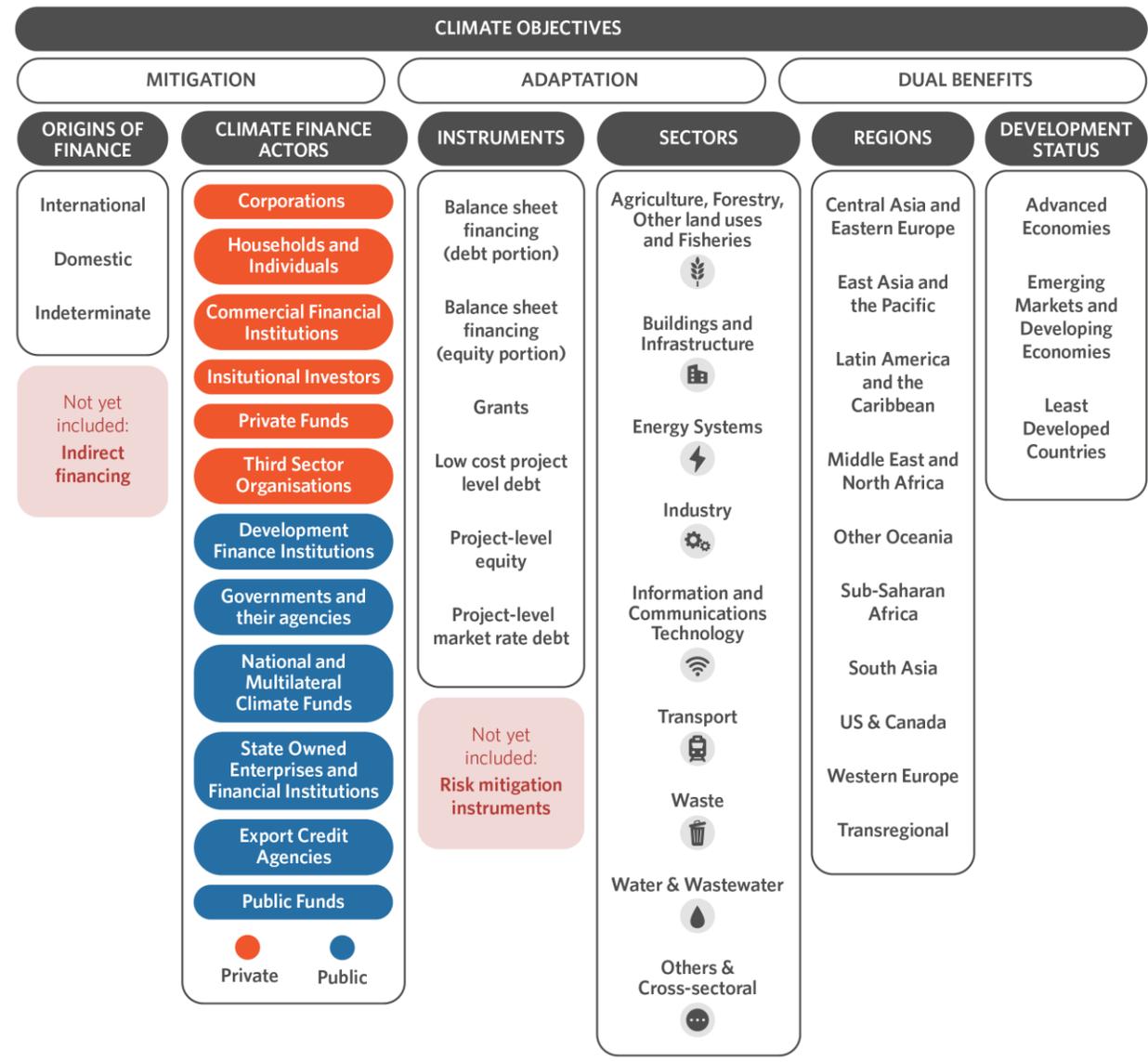
## Total climate finance

# Tracking framework

Sources

Actors

Instruments



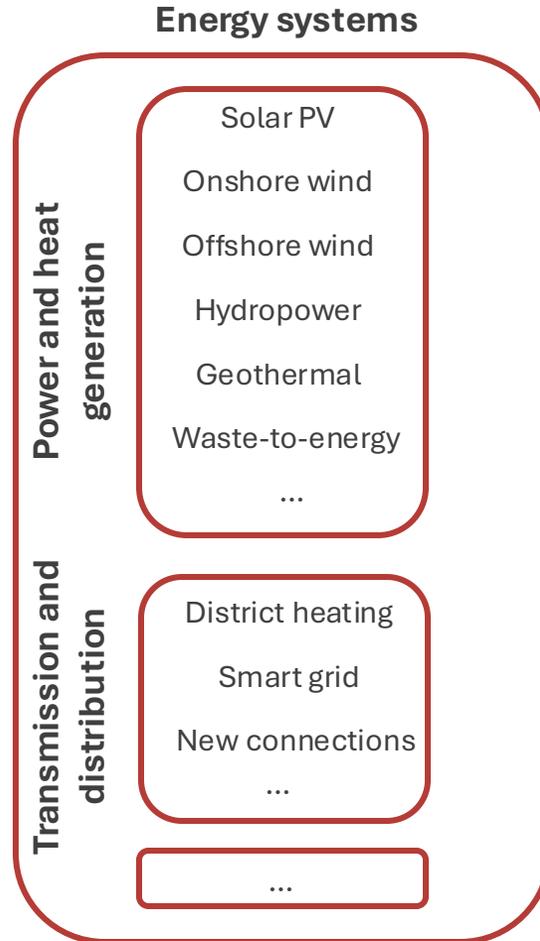
Sectors

Regions

Development status

# Sectoral taxonomy

Example:



What does not count as climate finance

Technology	Transition related?	Climate finance?	Exclusion criteria
<b>Energy</b>			
Renewable Energy (Power Generation and Direct Use)	✓	-	Excludes large hydro projects not financed by a DFI with environmental safeguards.
Energy Efficiency	✓	-	Included, with a conservative approach. Energy efficiency measures and retrofits for power plants are included only when applied to renewable assets, ensuring a clean energy gain.
Electrified Heat	✓	-	Included only when fueled by renewable energy.
Hydrogen	✓	-	Included only when produced using renewable energy.
Carbon capture, use, and storage (CCUS) and carbon removal measures	✓	-	Included only when technologies demonstrate 100% carbon removal capacity, which is extremely rare, economically unviable, and largely unavailable at scale. Without this, concerns remain around long-term carbon lock-in and the reinforcement of fossil fuel dependence.
Power transmission and distribution (T&D)	✓	-	Included only if the project explicitly states it is connected to a renewable energy power plant. <sup>16</sup>
Nuclear	✗	✗	Excluded due to ongoing debates regarding risks and benefits.
Fossil fuels	✗	✗	Excluded.
<b>Transport</b>			
Electrified transport	✓	-	Fully battery electric vehicles are included, but plug-in hybrid and fuel cell EVs are excluded.

# Project example

## Project details

### Company A

Company A financed the build of the 466.7MW Solar PV Plant (Phase II) with a long-term power-purchase agreement with the national energy corporation

USD 87mn



## Source

Domestic

## Actor

Private

↳ Corporation

## Instrument

Equity

↳ Balance sheet financing

## Sector

Energy systems

↳ Power and heat generation

↳ Solar PV

## Region

South Asia

↳ India

## Development status

Emerging markets and developing economies

↳ Emerging markets

↳ Lower middle income

# Project example

## Project details

### Export Import Bank of Korea

Supplementary loan for [sewage system development in Ta Khmau Town](#) in Cambodia to improve hygiene levels by preventing environmental pollution of the project area

USD 60mn



## Source

International

↳ Korea

## Actor

Public

↳ Export Credit Agency (ECA)

## Instrument

Low-cost project debt

↳ Concessional loan

## Sector

Water and wastewater

↳ Wastewater treatment

↳ Infrastructure and management

## Region

East Asia and Pacific

↳ Cambodia

## Development status

Least developed country

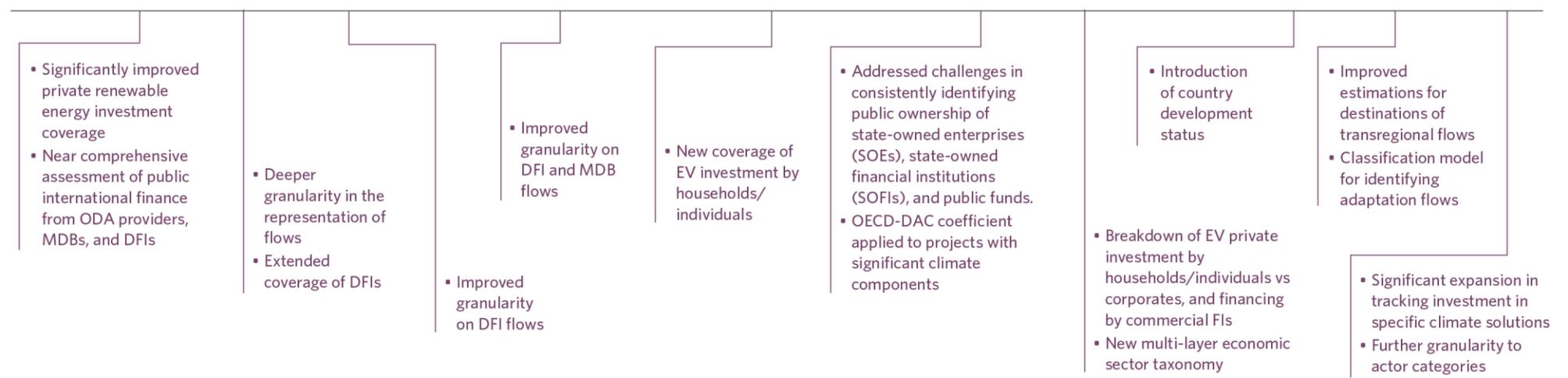
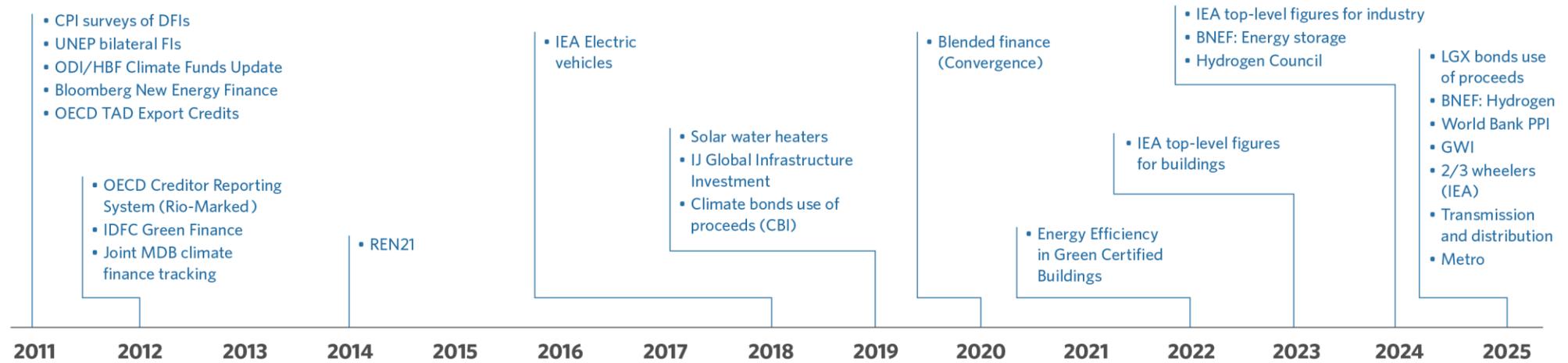
↳ Lower middle income

# Data Collection

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# CPI's rigorous and evolving methodology

## DATA ADDITIONS



## METHODOLOGY IMPROVEMENTS

# The GLCF synthesizes data from over 30 sources

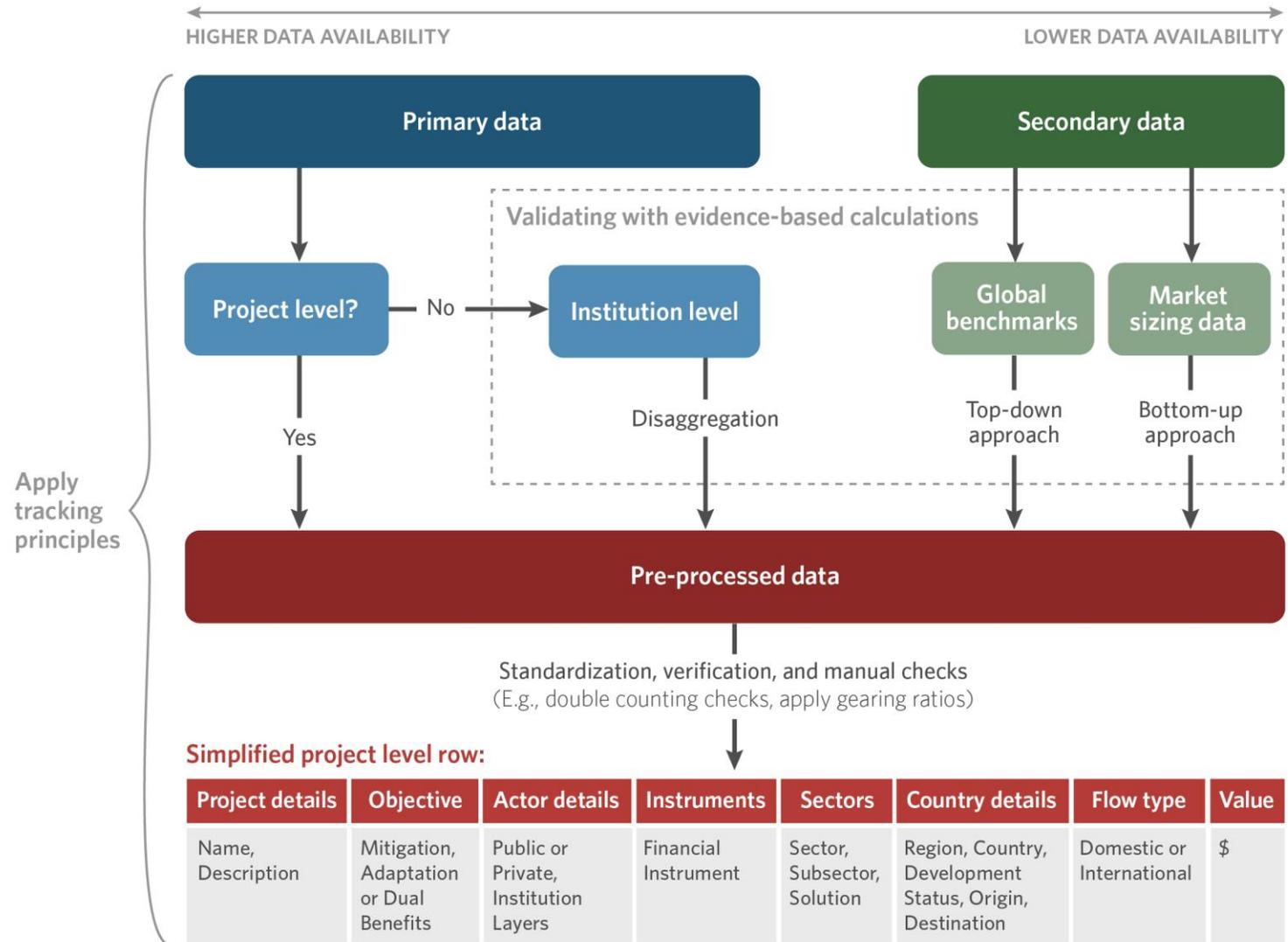


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## **CPI's eight guiding principles to ensure data quality**

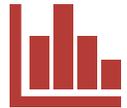
- 1. Track real-economy investments**
- 2. Track tangible financial commitments**
- 3. Benchmark against reputable data sources**
- 4. Avoid double counting**
- 5. Err toward conservativeness**
- 6. Do not track carbon lock-in**
- 7. Comply with data confidentiality and licensing rules**
- 8. Maximize flows granularity**

# Different methodologies to harmonize complex datasets



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# Scale and complexity demand a robust framework



## Data dimension [2017-2023]

- *20 million rows database detailing climate finance*
- *30 data sources*
- *100,000 projects*
- *USD 10.9 trillion tracked*



## Data coverage [2017-2023]

- *16k institutions*
- *Cross-cutting sectors and geographies*



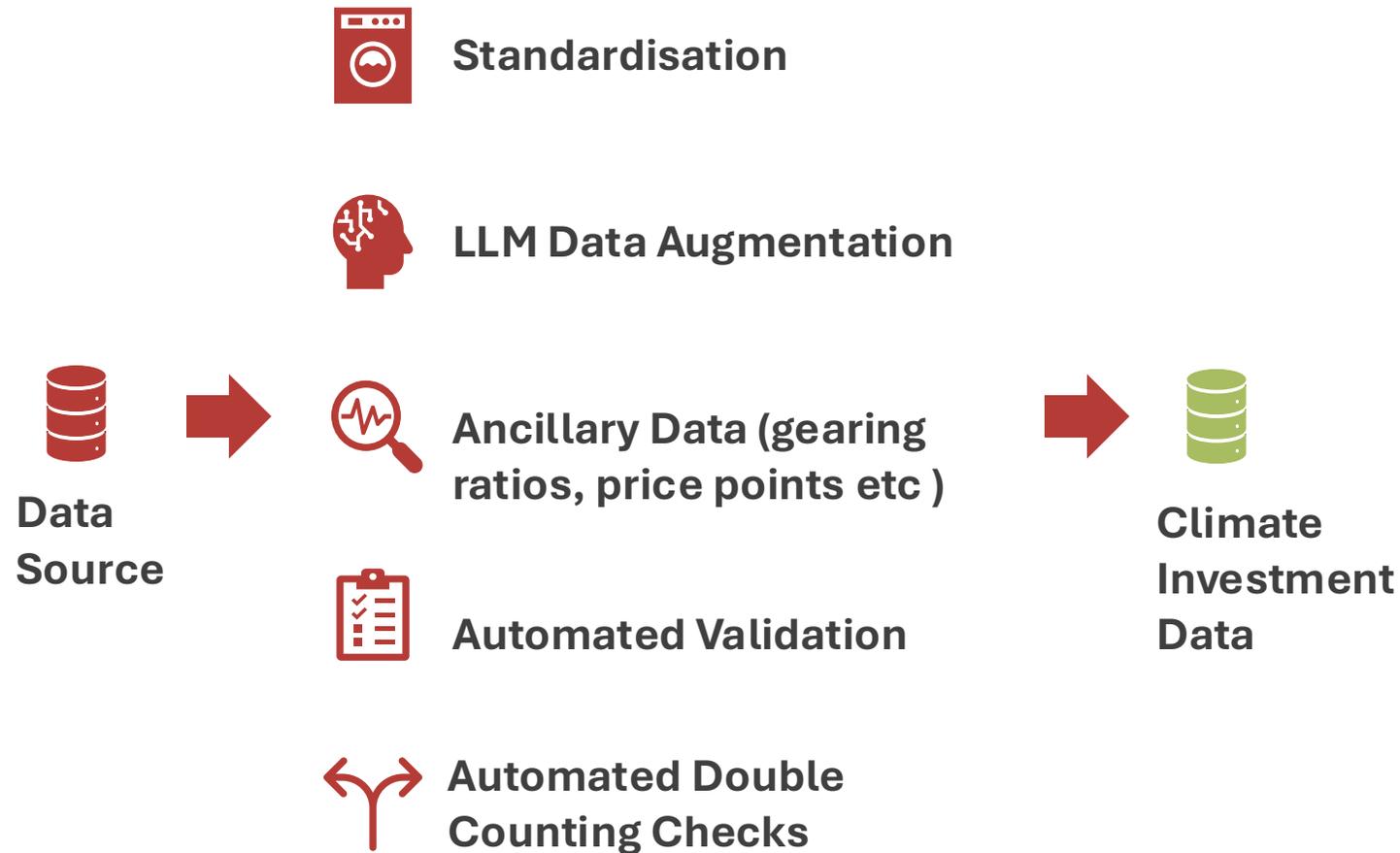
## Challenges

- *Duplicate or partial entries from overlapping sources*
- *Heterogeneous formats and reporting standards*
- *Missing or incomplete project descriptions*
- *Inconsistent institution naming conventions*
- *Lag in data publication from key sources*
- *Missing metadata for sector, geography, or financial instrument*

# Data Processing

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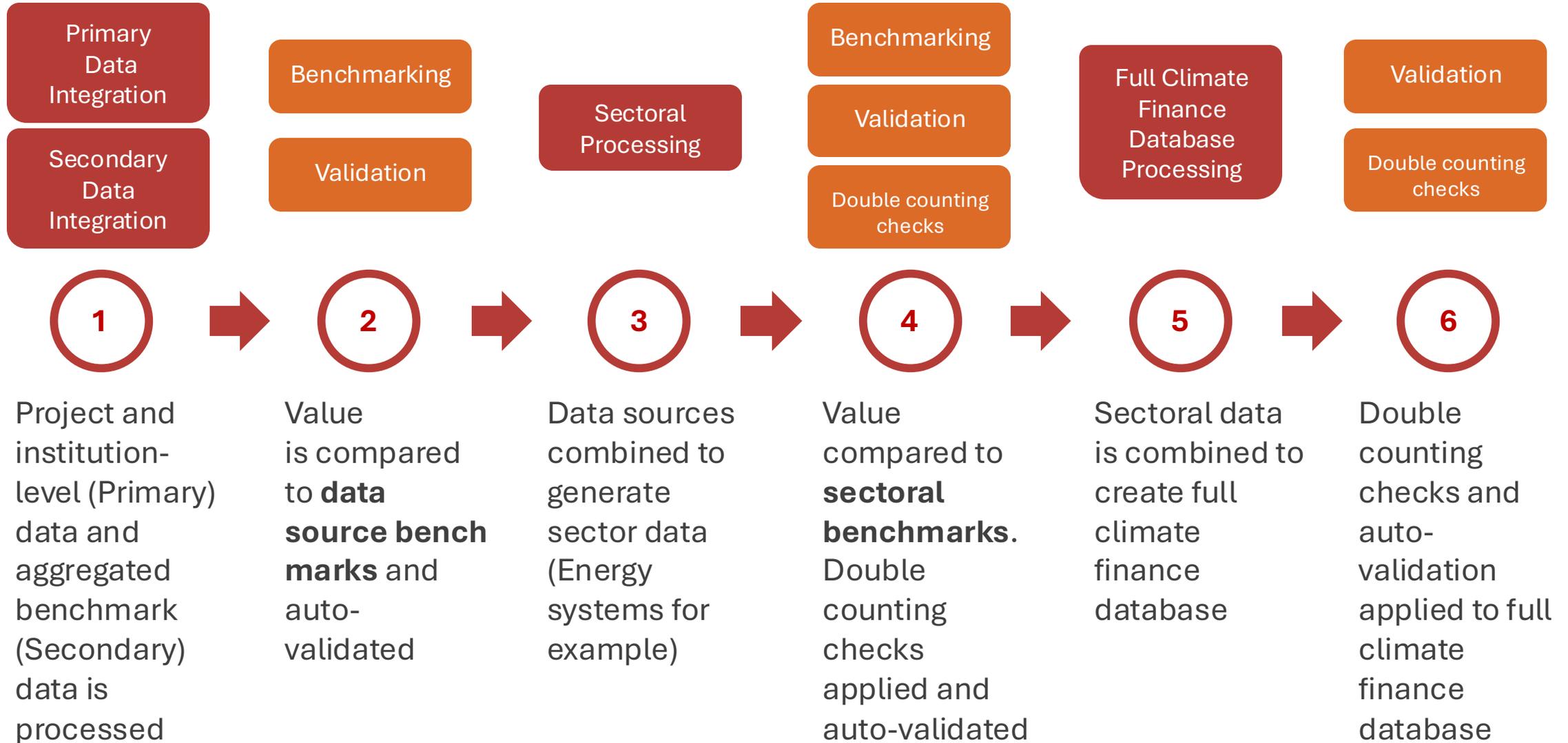
# Turning imperfect data into insights



## Why these techniques matter

- *Real-world climate finance data is imperfect, fragmented, and inconsistently reported*
- *Advanced processing allows us to clean, harmonize, and reconstruct datasets at scale*
- *Ensures accuracy, comparability, and completeness across the entire data engine*

# Sectoral methodologies approach



## Filling the gaps – Primary data

### Why?

While CPI prioritizes project-level granularity, many data sources contain incomplete or partially aggregated information.

### How

To address this, we apply a set of carefully developed methodologies to fill in missing information while maintaining the integrity and comparability of the data.

### Example: Energy systems capacity multipliers

- Consolidation of technology- and geography-specific capacity multipliers to ensure full coverage even when financing data is missing.
- When direct financing data is unavailable, investment cost multipliers are applied to estimate total investment based on project size (MW).
- Country-level multipliers from IRENA's Renewable Power Generation Costs reports used whenever available.
- BNEF asset finance and capacity data used to calculate country-technology averages when IRENA country-level values are missing.
- IRENA regional multipliers applied only when neither country-level nor country-technology multipliers exist.
- Ensures complete investment calculations across all countries and technologies. Maintains comparability across geographies and datasets.
- **Provides a transparent, tiered fallback logic when data is inconsistent or incomplete.**

## Filling the gaps – Secondary Data

### Why?

- Many activities investments cannot be measured using project-level data.
- For example, household purchases often require modeled calculations rather than direct observation, validating the need for tailored methodologies.

### How?

CPI enhances the scope of climate finance tracking by applying evidence-based calculations to reputable sources.

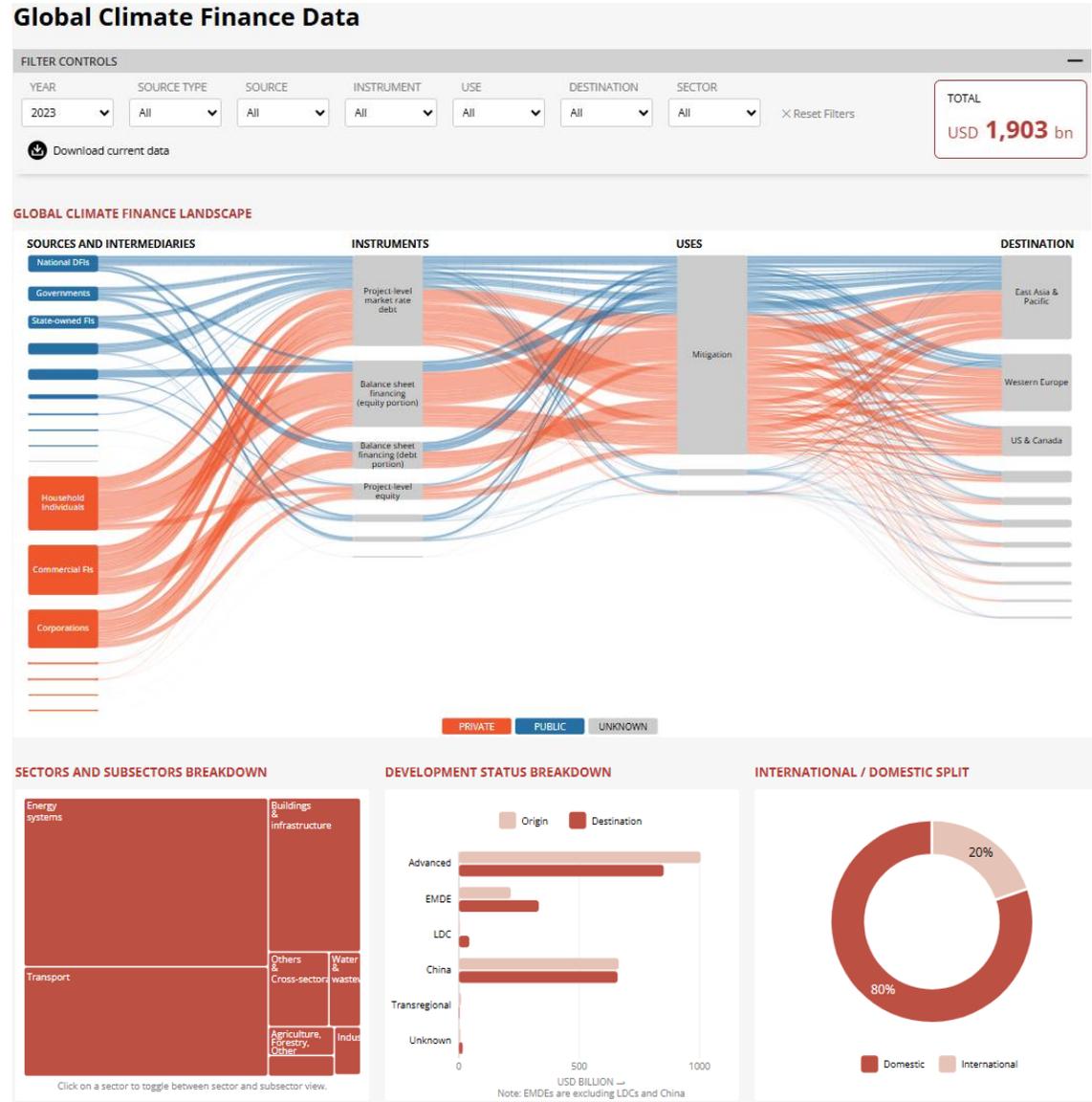
### Example: Electric vehicle investment

Accounting for every EV sale across the globe unfortunately remains beyond us, however we carry out an extensive market research exercise using vehicle sales at country/ regional granularity (accounting for incentives), coupled with vehicle price benchmarks, loan-to-value ratios, corporate vs household purchase ratios, to generate data that follows GLCF standards.

How the data is being used

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# How do we present this data?



- **Combine with CPI’s deep expertise** in public finance, private capital mobilization, and climate finance architecture
- **Develop sector, geography, and instrument deep dives** enabled by methodologies designed for high granularity
- **Evidence-backed interpretations**, grounded in over a decade of CPI’s research, partnerships, and institutional knowledge
- **The result:** Clear, focalized insights that support policymaking and system-level reform

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## Organizations and events that featured Global Landscape data

A&O SHEARMAN

climate arc



KFW



Department for  
Energy Security  
& Net Zero

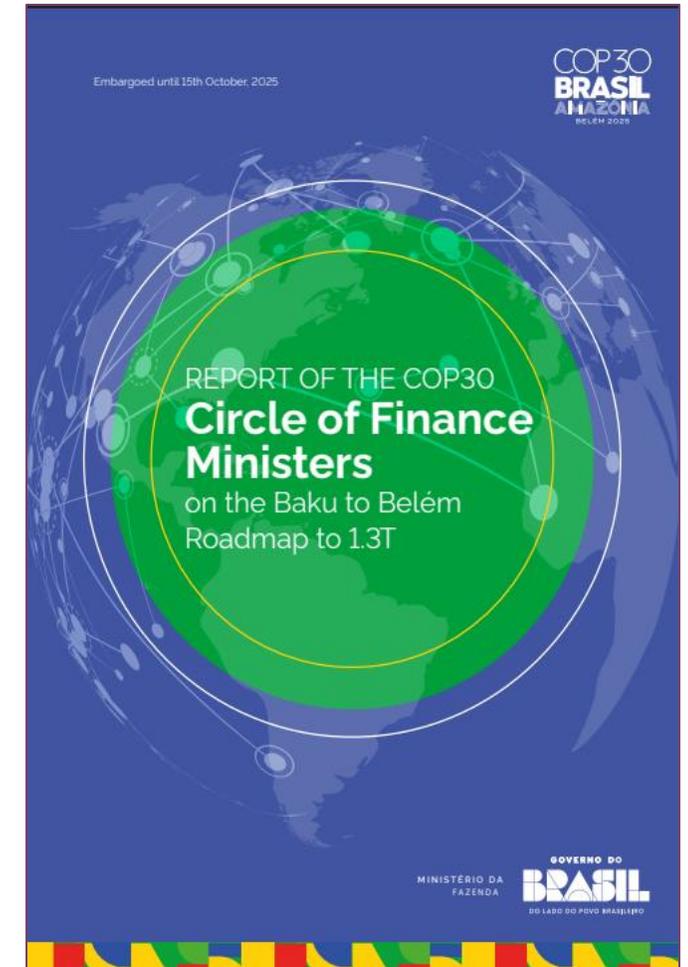
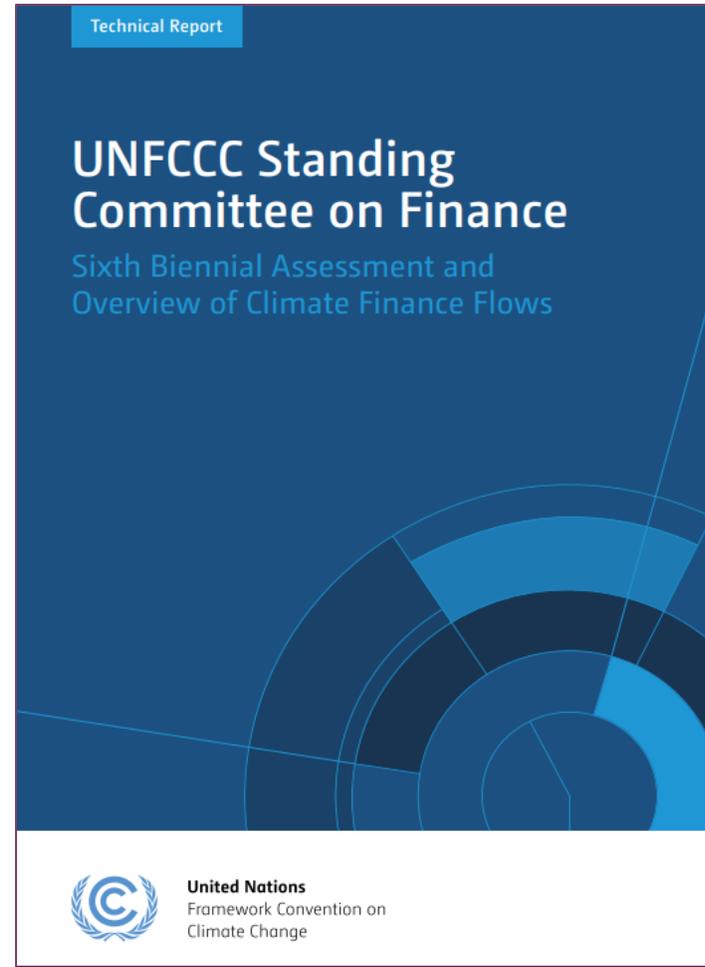
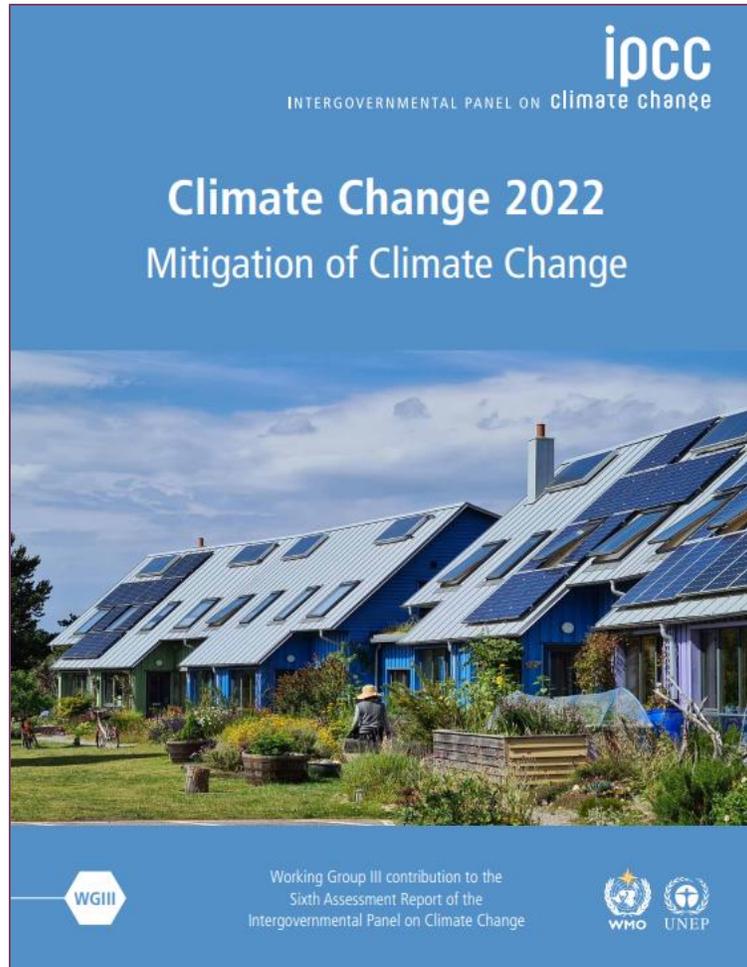


United Nations  
Framework Convention on  
Climate Change



WORLD  
RESOURCES  
INSTITUTE

# Supporting international climate progress



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## Media mentions of the Global Landscape

**AP**

**Bloomberg**

**devex**  
Do Good. Do It Well.™

**225,000+**  
Social media  
followers

**The  
Economist**

**FT**

**Forbes**

**36,000+**  
Page views

IMPACT**ALPHA**

 **MONGABAY**

**8,000+**  
Report downloads

Net **Zero** Investor

 **responsible  
investor**

**TIME**

# What's next?

1. **Data dashboard** – updated data dashboard available in January 2026.
2. **GLCF 2026** – published in early summer.
  - i. Covering 2024 climate finance data
  - ii. Early insights on 2025 climate finance
  - iii. Updated methodology
3. **Sectoral, thematic and regional reports** – more reports leveraging GLCF data to deep dive into areas of global interest

## Useful Links

- [Three-part webinar series](#)
- [GLCF: EMDE Spotlight](#)
- [GLCF Methodology](#)
- [GLCF Dashboard](#)

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