



Independent
Evaluation Office
GLOBAL ENVIRONMENT FACILITY

Enhancing global environmental benefits through
excellence in evaluation

Towards A Low-Carbon Economy

Approaches and Evidence from GEF Climate Mitigation Evaluations

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**Climate
change**



**International
waters**



**Chemicals
and waste**



Biodiversity



Forests



**Land
degradation**

GEF CLIMATE CHANGE MITIGATION



Critical support for
countries to meet
their obligations
under the UNFCCC



26 years of
good
performance



Piloting and
demonstrating
technologies
and financial
approaches



Ability to fund
integrated
projects that
mainstream
mitigation



GEF CLIMATE CHANGE MITIGATION Strategy

GEF-3

Power sector policy
frameworks for
energy efficiency

Enabling activities
and capacity
building

GEF-4

Residential,
commercial,
industrial EE

GEF-5

Investments in
renewable
energy
technologies

Market
Transformation
for energy
efficiency

GEF-6

Integrated low-
carbon urban
systems

GEF CLIMATE CHANGE MITIGATION Portfolio



Energy efficiency



Renewable
energy



Climate-smart
agriculture



Sustainable
transport



Sustainable
forest
management

GEF CLIMATE CHANGE MITIGATION

Portfolio

1 287 projects

5.75 billion in GEF funding

4.61 billion from climate change

1.14 billion from other focal areas

51.23 billion co-financing by partners

Largest shares

Asia: 36%

**Renewable energy and
energy efficiency**

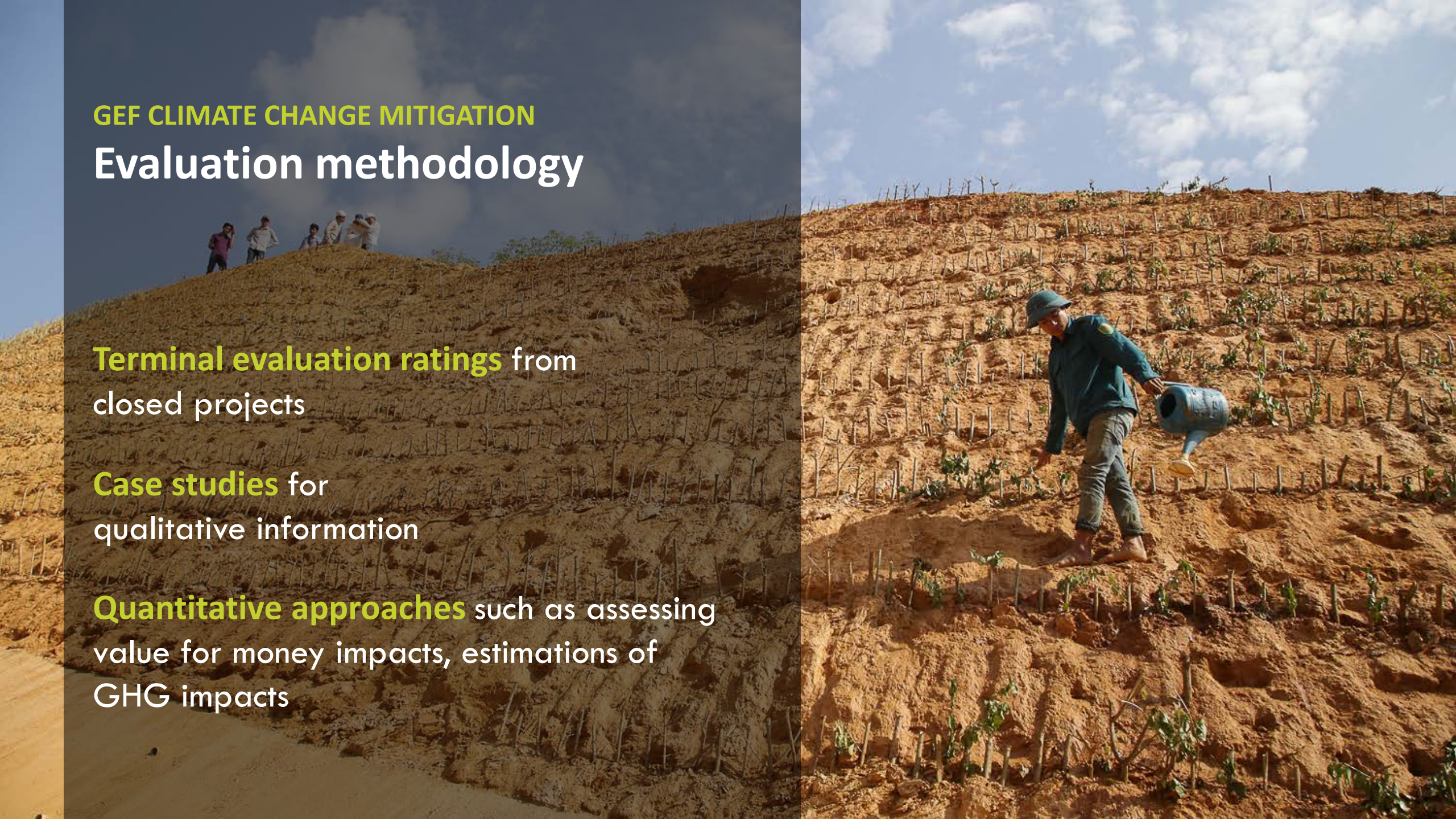
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Evaluation methodology

Terminal evaluation ratings from
closed projects

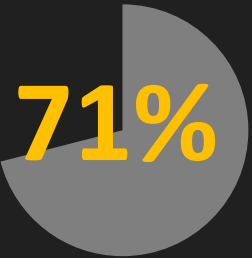
Case studies for
qualitative information

Quantitative approaches such as assessing
value for money impacts, estimations of
GHG impacts



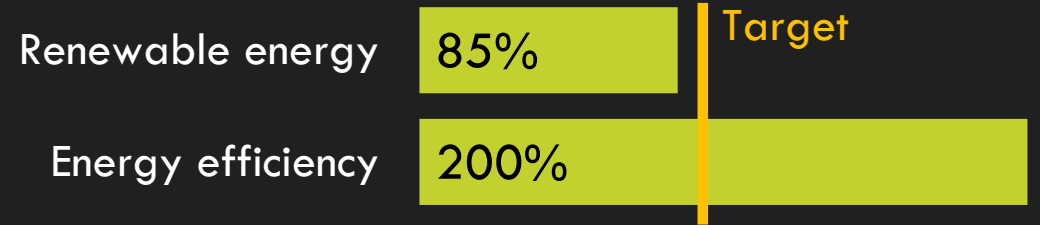
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Benefits and lessons



of completed projects
achieved significant GHG
avoidance

Emissions avoidance achieved



Adoption

Stakeholders 59%

Broader 26%

Success factors

- Comprehensive approaches to address market barriers
- Facilitate supported policy frameworks

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Project examples

China

India

Mexico

Russia



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Transformational change: success factors



Clear ambition
in designs



Addressing market
reforms through
policies



Quality of
implementation
and execution



Mechanisms for
financial
sustainability



May be achieved
by projects of
different sizes

Transformational change: project examples

Uruguay

Wind power
2008: 0%
2016: 33%

Africa

1.3 mln – quality
solar lanterns;

Private market
transformed

China

Wind power
2005: 1.3 GW
2015: 129.3 GW

GEF CLIMATE CHANGE

Climate change changing landscape

Niche areas

Upstream approaches
including policy reform
to accelerate market
development and create
an enabling
environment for
investment

Risk sharing
approaches

Piloting
innovative
technologies

Collaborating
with other
climate funds and
MDBs to scale up
investments

Evaluation use and influence

- Evaluation foundational for GEF replenishment
- Used for discussions with Conventions

Conditions for influence:

- Evaluation responds to demand and is timely
- Methodologically strong and independent
- Formal system for incorporating into policymaking



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