

Using Carbon Markets to Fund Sustainable Development



TIST & Carbon Markets

Carbon Markets

What are carbon markets?

Impact is calculated, measured and typically verified by a third-party

Kyoto Protocol (2005-2012)

Carbon Markets:

- European Union Emissions Trading
- Voluntary Carbon Market



Future of the Carbon Market

Paris Climate (starting in 2020)

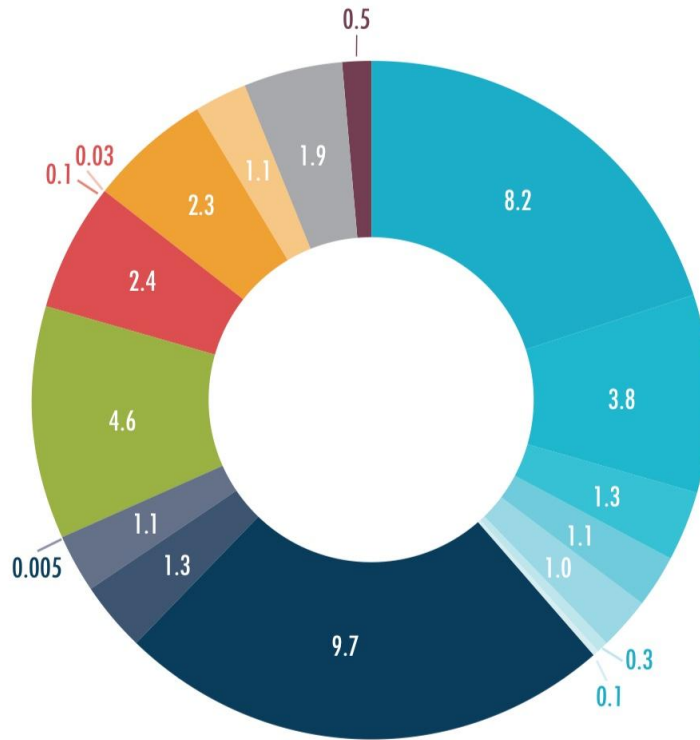
International Air Transport Association

American College & University

Presidents' Climate Commitment



Project Types Funded by Carbon Markets



All values are in MtCO₂e.

RENEWABLES

- Wind
- Large hydro
- Biogas
- Biomass/biochar
- Run-of-river hydro
- Solar
- Geothermal

FORESTRY AND LAND USE

- REDD (Combined)
- Afforestation/reforestation
- Improved forest management
- Grassland/rangeland management

METHANE

- Landfill methane

EFFICIENCY AND FUEL SWITCHING

- Energy efficiency—Community-focused (targeting individuals/communities/housing/campuses)
- Energy efficiency—Industrial-focused (targeting corporations/industrial processes)
- Fuel switching

HOUSEHOLD DEVICE

- Clean cookstove distribution
- Water purification device distribution

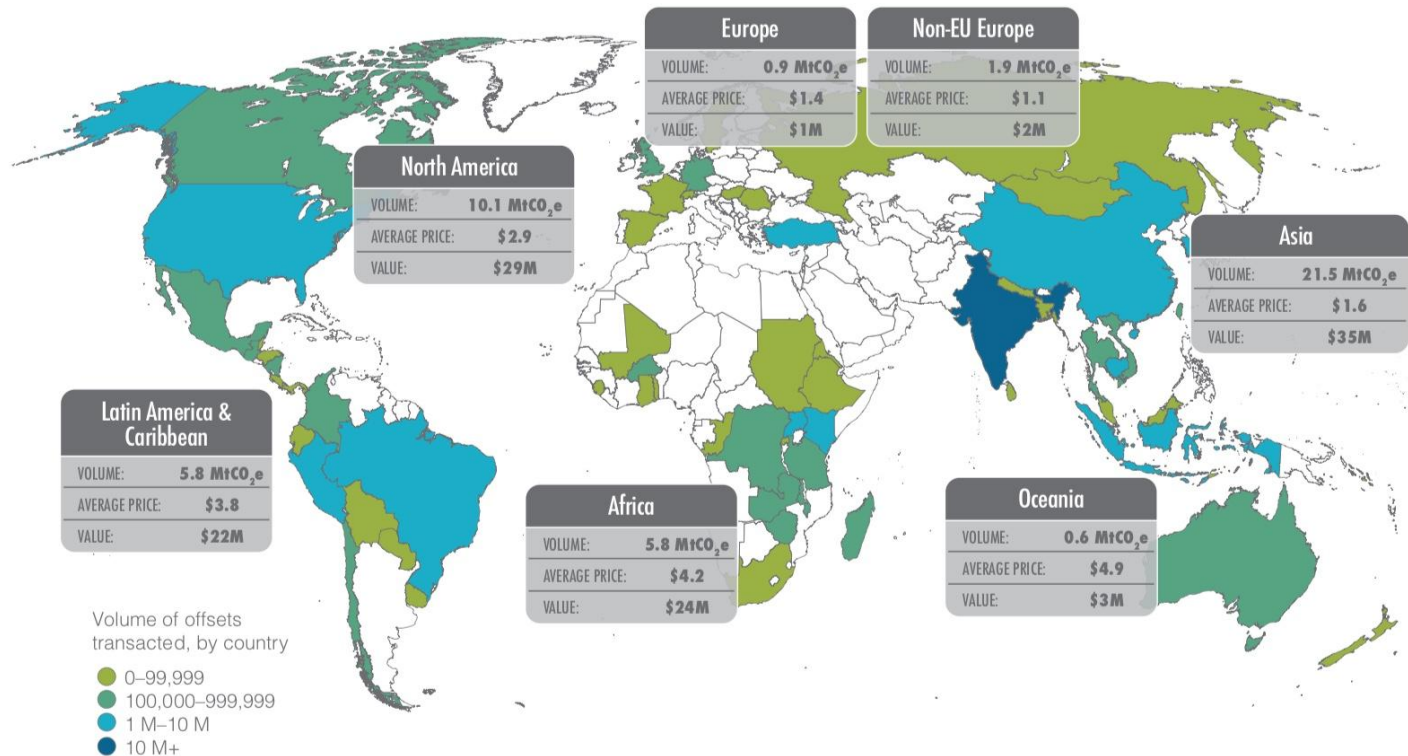
TRANSPORTATION

- Transportation—private (cars/trucks)

OTHER

- Other

Figure 8: Market Size by Project Region and Country, 2016



Notes: Based on 769 transactions representing 46.5 MtCO₂e in 2016.

The International Small Group & Tree Planting Program (TIST)

Triple Bottom Line



TIST Benefits: the environment

Restored over 100,000 acres of land

Planted 17 million trees = + 4 million tonnes of carbon

Equivalent to all the CO₂ from Arlington, VA for a over a year or Boulder, CO for the next three years



18 months



TIST Benefits: the people

Over 85,000 farmers participate, across 4 countries

50% of cluster leaders are women

For each \$1 spent by TIST it has created \$6 of verified benefits for the farmers

Firewood, food, medicine, coverage for animals and fodder.



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TIST Benefits: the investors



Questions?



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