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ENVIRONMENT



State of the Voluntary Carbon Markets Kelley Hamrick

Programmes and Projects in Voluntary
Markets

Montreal | February 7th, 2018





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ABOUT ECOSYSTEM MARKETPLACE

Forest Trends' Ecosystem Marketplace initiative is the leading global source of information on environmental finance, markets, and payments for ecosystem services.

www.ecosystemmarketplace.com



Ecosystem Marketplace

A FOREST TRENDS INITIATIVE

Unlocking Potential
State of the Voluntary Carbon Markets 2017
Regional Analysis

Fertile Ground
State of Forest Carbon Finance 2017

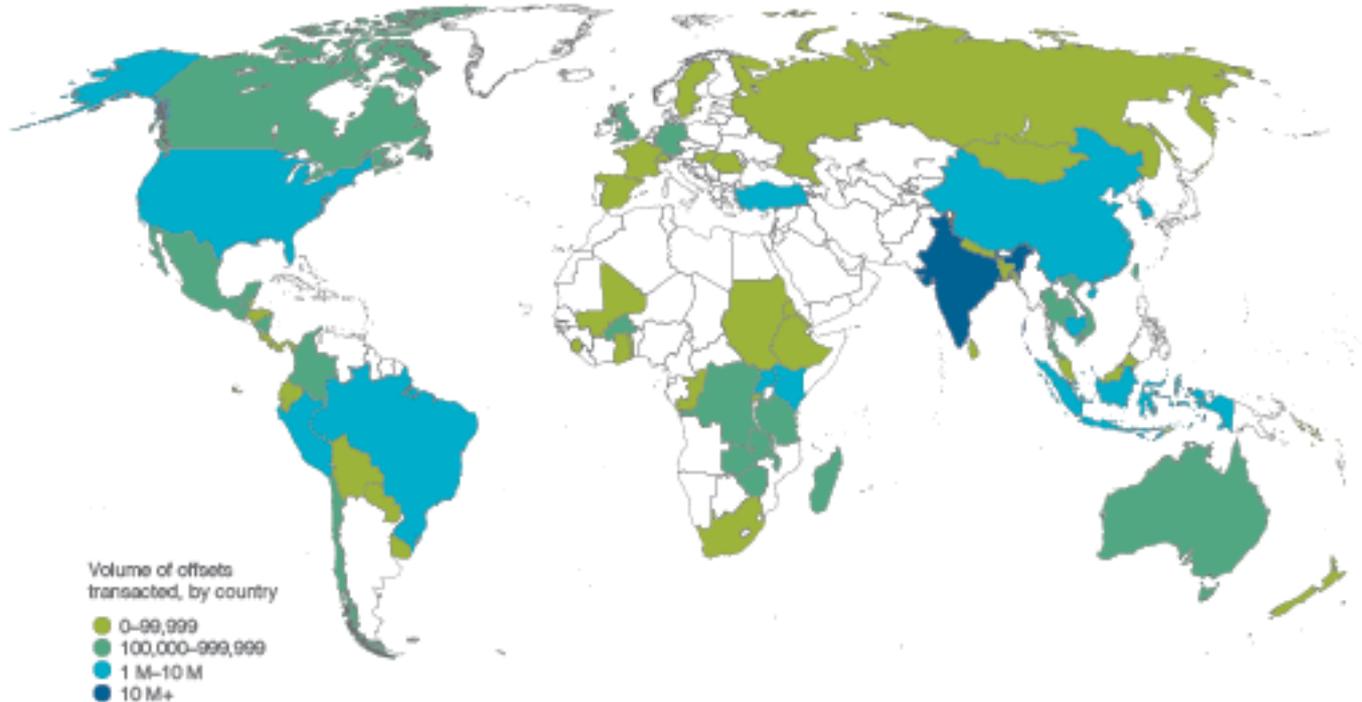
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WHERE DO VOLUNTARY OFFSETS COME FROM?



Source: Forest Trends' Ecosystem Marketplace, State of the Voluntary Carbon Markets 2017



WHAT KINDS OF VOLUNTARY OFFSETS ARE AVAILABLE?

PROJECT TYPES:



WASTE TO ENERGY



PEATLAND RESTORATION



REDD+



ENERGY EFFICIENCY



CLEAN COOKSTOVES



OZONE-DEPLETING
SUBSTANCE
DESTRUCTION

STANDARDS:

Plan Vivo

American Carbon
Registry (ACR)

Climate Action Reserve

ISO-14064

Clean Development
Mechanism (CDM)

VCS + CCB

Verified Carbon
Standard (VCS)

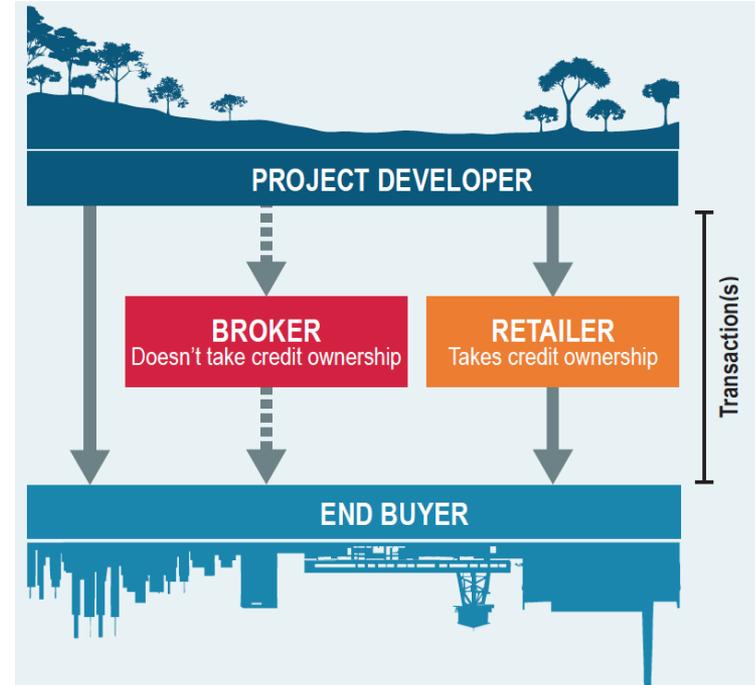
Gold Standard



HOW ARE VOLUNTARY CARBON OFFSETS CREATED? HOW ARE THEY TRADED?

Possible Stages of an Offset:

- Project Idea Note
- Project Design Document
- Validation
- Verification
- Issuance
- Transaction(s)
- Retirement





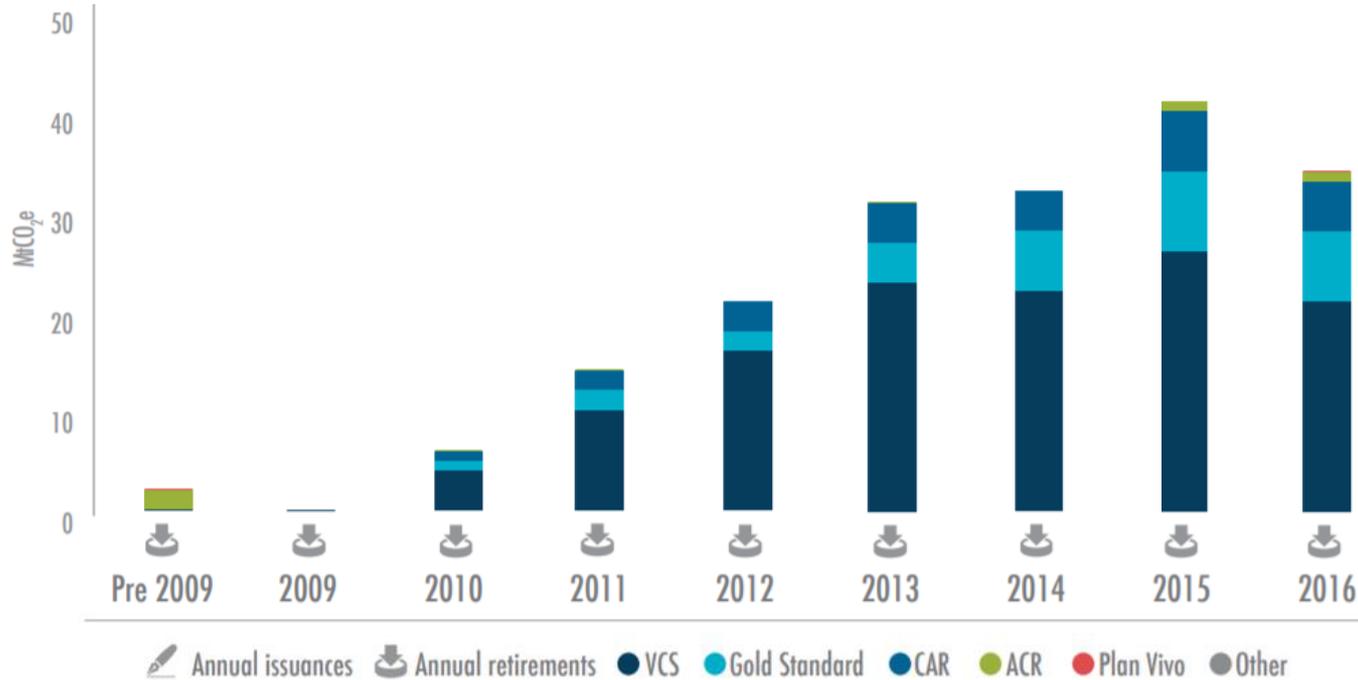
HOW MANY OFFSETS HAVE BEEN ISSUED, PRE-2009-2016?



Source: Forest Trends' Ecosystem Marketplace, State of the Voluntary Carbon Markets 2017



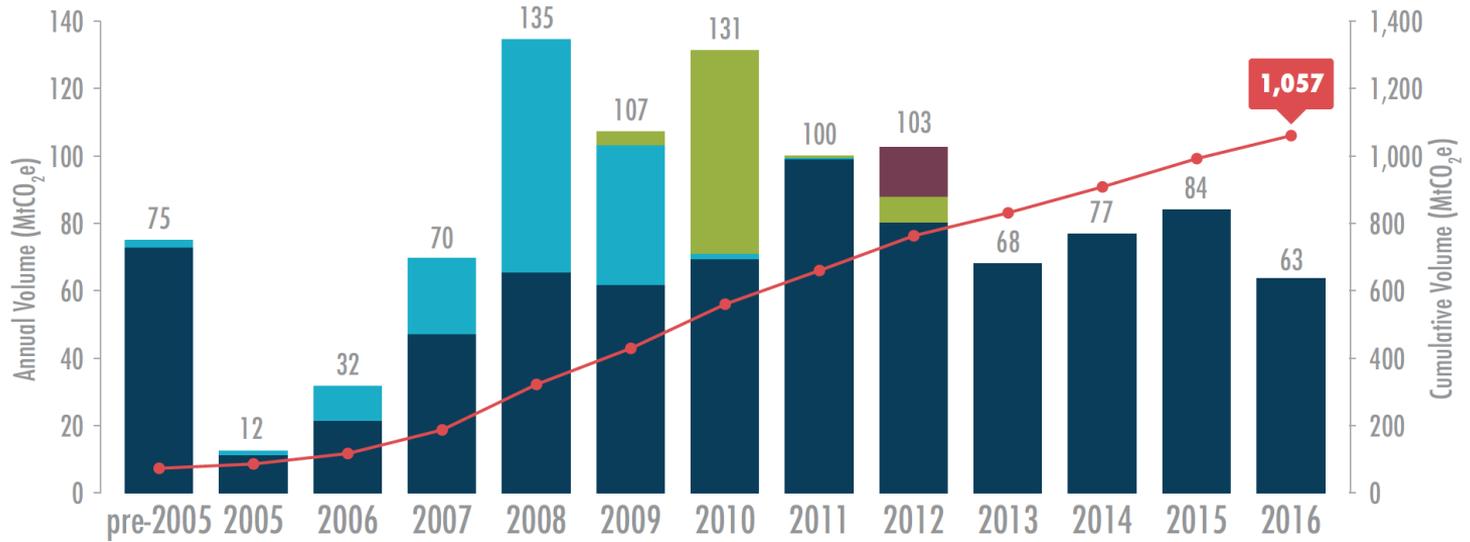
HOW MANY OFFSETS HAVE BEEN RETIRED, PRE-2009-2016?



Source: Forest Trends' Ecosystem Marketplace, State of the Voluntary Carbon Markets 2017



HOW MANY OFFSETS TRANSACTED LAST YEAR?

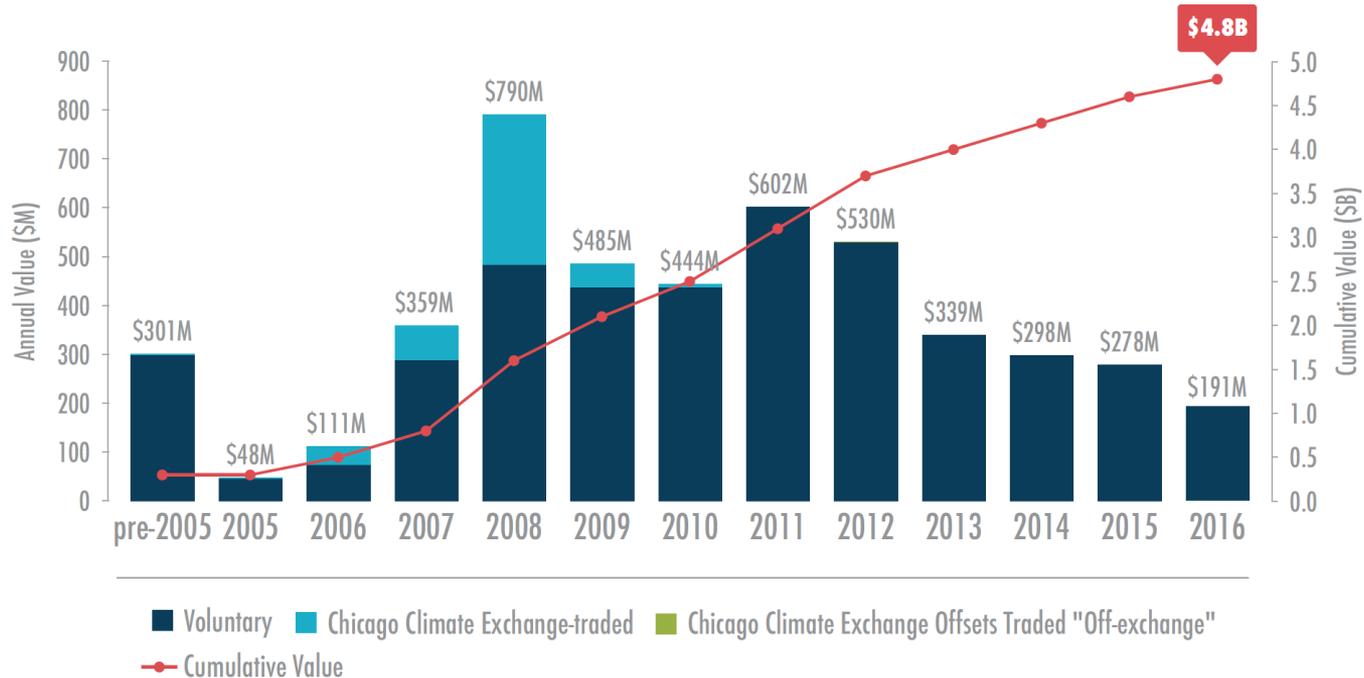


■ Voluntary
 ■ Chicago Climate Exchange-traded
 ■ Chicago Climate Exchange Offsets Traded "Off-exchange"
 ■ Pre-Compliance Volume
 —●— Cumulative Volume

Source: Forest Trends' Ecosystem Marketplace, State of the Voluntary Carbon Markets 2017



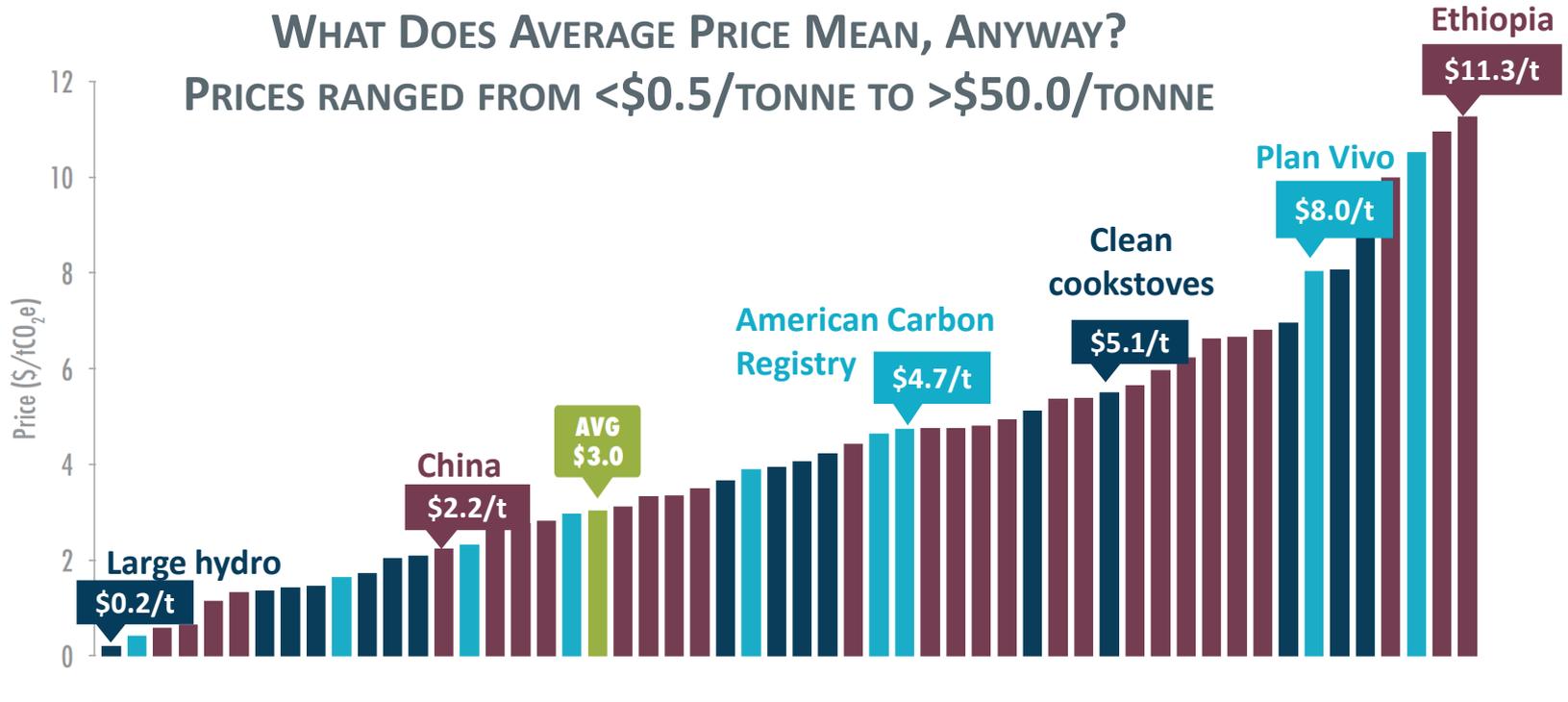
WHAT WAS THE TOTAL MARKET VALUE TRANSACTED LAST YEAR?



Source: Forest Trends' Ecosystem Marketplace, State of the Voluntary Carbon Markets 2017



WHAT DOES AVERAGE PRICE MEAN, ANYWAY? PRICES RANGED FROM <\$0.5/TONNE TO >\$50.0/TONNE

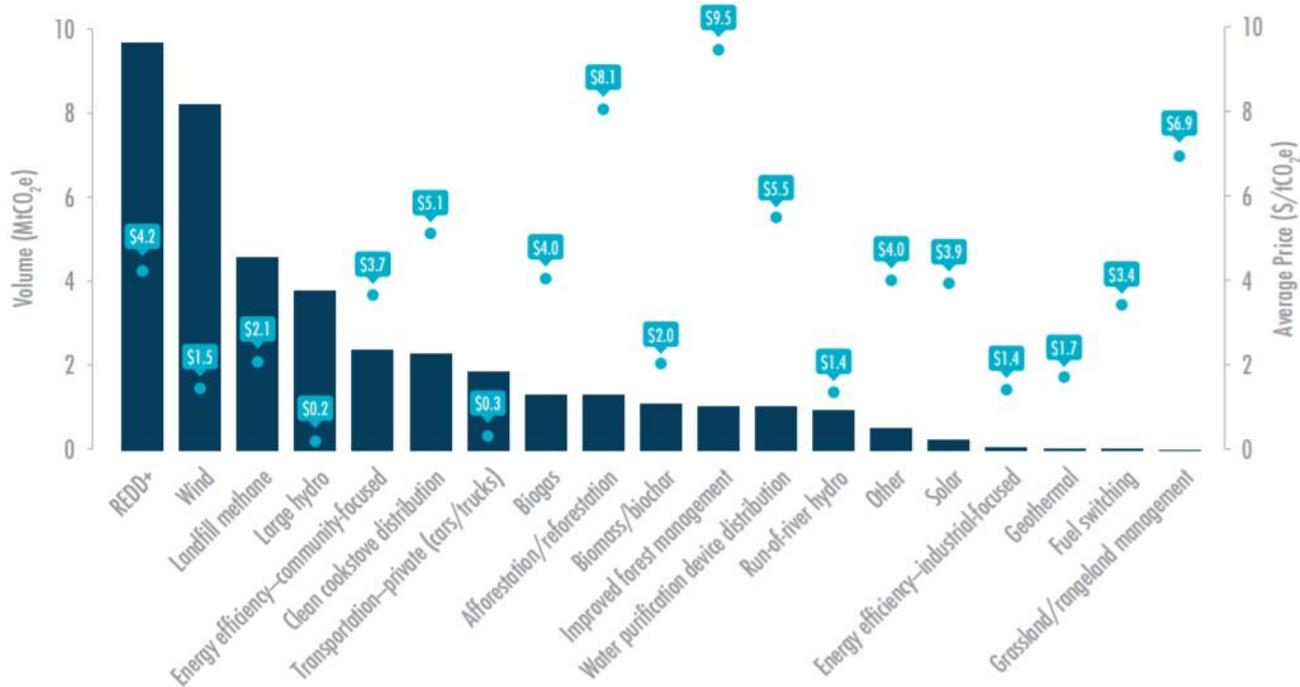


■ Project Type
 ■ Project Standard
 ■ Project Location
 ■ Average Price (Across All Attributes)

Source: Forest Trends' Ecosystem Marketplace, State of the Voluntary Carbon Markets 2017



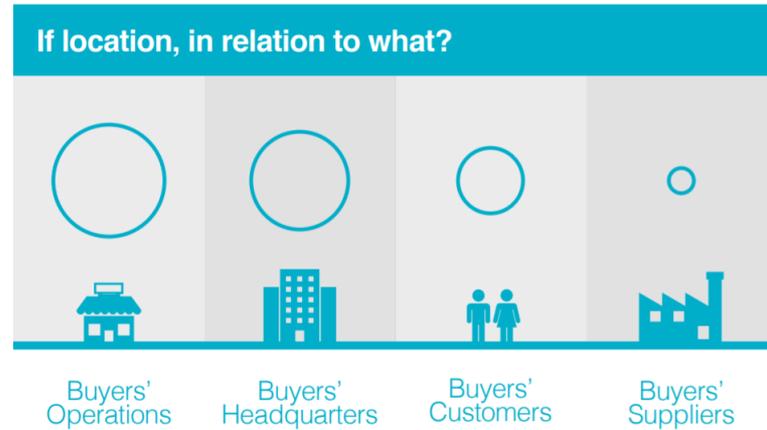
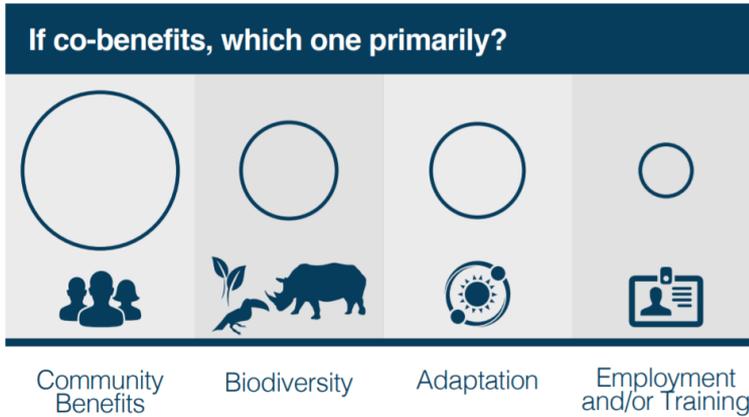
WHAT ARE THE MOST COMMON PROJECT TYPES ASSOCIATED WITH TRANSACTED OFFSETS?



Source: Forest Trends' Ecosystem Marketplace, State of the Voluntary Carbon Markets 2017



WHAT DIFFERENTIATES OFFSETS TO BUYERS?





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(NACC) Office
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(SAM) Office
Lima

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Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU