

ICAO's Carbon Market Seminar Wrap-up



ICAO Seminar on Carbon Markets (7-9 Feb 2018)



ICAO Carbon Market Seminar Objectives

Provide knowledge on:

- Carbon markets overview
- Differences and similarities



• brokers, retailers, exchanges, consultants, advisors

• buyers, business, investors, parties

- Emissions unit generation process
- Purchasing emissions units
- Relation to CORSIA



Carbon Markets Overview

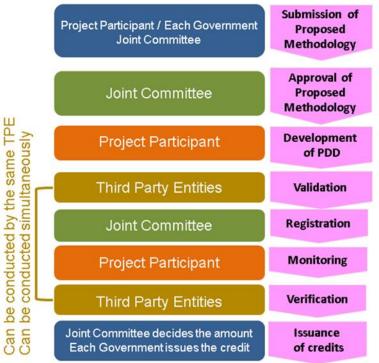
- Geographical diversity
- Project diversity
- Benefits
 - Social
 - Environmental





How are the emissions units generated?

- 1. Project Design
- 2. Validation
- 3. Implementation
- 4. Monitoring
- 5. Verification
- 6. Unit generation





What are the features and benefits?

- Reduce CO2e emissions
- Monetary savings
- Improved health
- Community reinvestment
 and empowerments
- Education
- Employment





What are the means to ensure quality?

- Create standards
- Verify standards
- Safeguards & frameworks









Climate Action Reserve

VERIFIED CARB

American Carbon Registry

Gold Standard

Clean Development Mechanism (CDM)

A Global Benchmark for Carbor Verified Carbon Standard



Australian Government

Emissions Reduction Fund (ERF) of the Australian Government

Joint Implementation (JI)

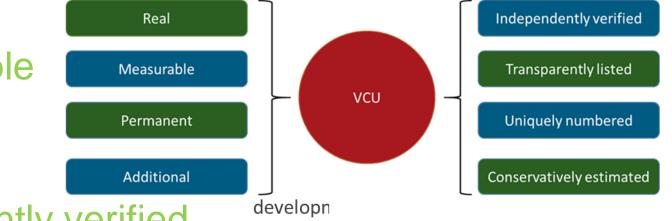
Plan Vivo Improving Livelihoods, Restoring Ecosystems





What are the means to ensure quality?

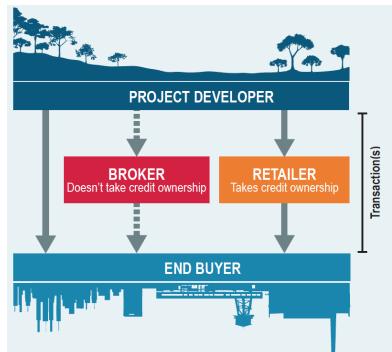
- Real
- Measureable
- Permanent
- Additional
- Independently verified
- Unique
- Does no harm





Where can buyers purchase emissions units?

- Project Developers
- Retailers / Resellers
- Consultants / Advisors
- Brokers / Banks
- Exchanges
- Wholesalers





How to track the use of emissions units?

- Unique serial numbers
- Transparency
- Registries
- Third-party verification

markit

Serial number assignment

Project SN									
R -	YYYY	-	KR	-	XX	-	XXXXXX	-	P-XX
1	2		3		۲		(5)		6

- ① External Project Registration mark : Fixed value ("R"means "Registered")
- 2 Registration year
- ③ State of project operation: State code refer to 'ISO 3166-1 alpha-2'
- ④ Type of External Project
- (5) Project register number
- ⑥ Type of Certified External project

Account SN



Certified reduction SN	Ce	rtif	ied	red	uct	ion	SN
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1 -	- YYYY -	YYYYMM -	KR-XX -XXXXX	- CDM -	XX,XXX,XXX
1	2	3	(4)	5	6

- ① External Project Certification mark : Fixed value ("I"means "Issued")
- ② Issued year
- ③ Emission Reduction Period
- Wumber of Acceptance for external project (3, 4, 5, 6 of Project SN)
 Global carbon reduction scheme mark (Ex, CDM)
- Global carbon reduct
 Serial number

Methodology SN

er bant	xxx	-	xxx	-	Ver XX	 Type of project Number
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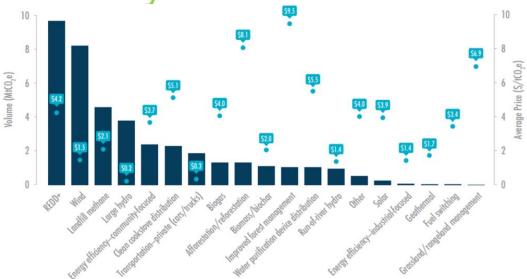
Financial Information Services

Registry -	Public View									
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ntage	△ Project		Account	Standard	Project Type	Verifier	Units	Measurement	Туре	
2012		nunity REDD+ Project: Restoring Meghalaya's Hill ForestsThrough n	Khasi Hills Community REDD+ Project	Plan Vivo	REDD	Plan Vivo-Approved Expert Reviewer	5,000	PVC (tCO2e)	UNIT	View
2012	Khasi Hills Comm and Conserving Community Actio	nunity REDD+ Project: Restoring Meghalaya's Hill ForestsThrough n	Khasi Hills Community REDD+ Project	Plan Vivo	REDD	Plan Vivo-Approved Expert Reviewer	16,805	PVC (tCO2e)	UNIT	View



Take-away Messages

- Markets and projects already exist
- Project diversity
 - Price
 - Benefits
- Quality
 - Standards
 - Transparency
 - Third-party verification



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



Take-away Messages

- UNFCCC coordination
- ICAO process to determine eligible units
- Aeroplane operators choose eligible units
- Policy signals
 - Facilitate a stable and cost effective carbon market







Livelihoods development, capacity building, participatory monitoring











