El Estandar Platino:

Un nuevo enfoque para reducir la remoción de árboles y generar créditos de carbono.

Colaboración Carbono Forestal Amazónico

26 Octubre 2011
Ciudad de Panamá, Panamá

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The Logic of REDD

Emissions from Deforestation and Forest Degradation

- <u>Deforestation</u>: **12 million ha (30 million acres) of moist tropical forest** are cleared every year [1 billion acres (400 million ha.) has been cleared since 1972].

- <u>GHG Emissions</u>: Recent research concludes that deforestation and forest degradation is responsible for **12-15% of global annual greenhouse gas emissions**.

- <u>One Approach</u>: To reducing emissions from deforestation and forest degradation (REDD) is to monetize the value of standing forest (**Forest Carbon Credits**) as an alternative to destructive uses of the forest.

AMAZONIA

CONGO FOREST

NEW GUINEA

WILDERNESS AREAS

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Why Trade Forest Carbon?

- Inclusive
  - Developing Countries Sell
  - Developed Countries Buy

- Beneficial
  - Environmentally
  - Socio-Culturally
  - Economically

- Efficient *
  - Low Start-up costs
  - Low Maintenance Costs
  - Modest Price

*(per ton CO_2e)

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Forest Carbon Credits Should be

- Environmentally Positive
  - Preserving Forests
  - Sustaining Ecosystems
  - Conserving Species

- Socio-economically and Culturally Beneficial
  - Providing Alternative Incomes
  - Improving Health and Well-being
  - Sustaining Traditional Practices

- Financially Sound
  - Accounting Accurately for Reduced Emissions
  - Protecting Permanently against Reversals
  - Promoting Transparency

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A New Standard to Reduce Tree Removal

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Standard Development Team

- Environmental Trust Funds
  - Bolivia (PUMA)
  - Brazil (Funbio)
  - Colombia (Fondo Acción Ambiental)
  - Ecuador (FAN)
  - Peru (Profonanpe)

- Columbia University
  - Center for Environment, Economy, & Society (CEES)

- Outside Experts
  - Core Team (International)
  - Local Counterparts (Amazon Countries)

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Coverage

- Carbon Content
  - Standing Trees
  - Roots
  - Litter

- Biodiversity
  - Ecosystem
  - Species
  - Populations

- Socio-cultural/Socio-economic
  - Health
  - Education
  - Household Economy

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Project Participants

- De jure rights holders
  - Legal Title or Equivalent

- De facto rights holders
  - Customary Forest Dwellers or Users

- Other stakeholders
  - Governmental Authorities
  - Project Proponents/ Developers

* In all cases the Right to transfer
carbon credits must be established.

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Forests Included

- Naturally Occurring
  - Tropical Forest Types

- No Known Planted
  - Commercial Plantations

- No Forest Gardens
  - Protecting Traditional Forest Use

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Carbon Benchmark

- Remote Sensing
  - Multiple High Resolution Technologies

- Forest Type Designation
  - On the Ground Validation

- Ground-based Sampling
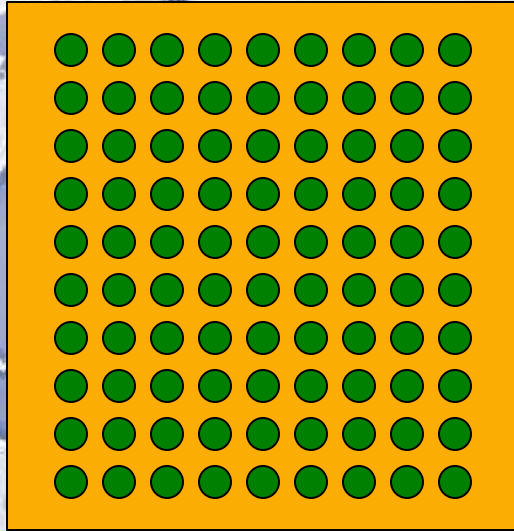 - Stratified Random Carbon Estimation

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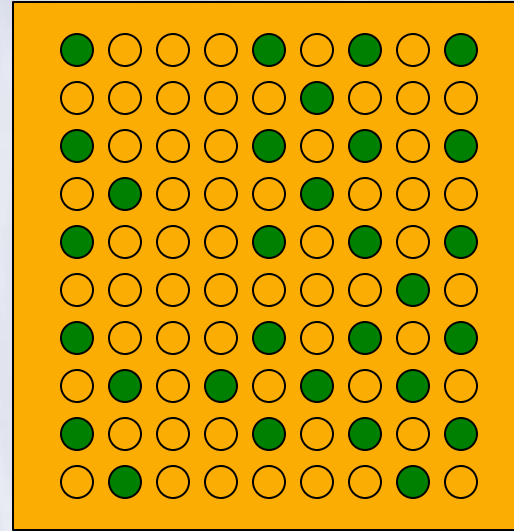
Reduced Tree Removal

- Deforestation
  - Not Separately Defined

- Degradation
  - Not separately Defined

- Remote Sensing
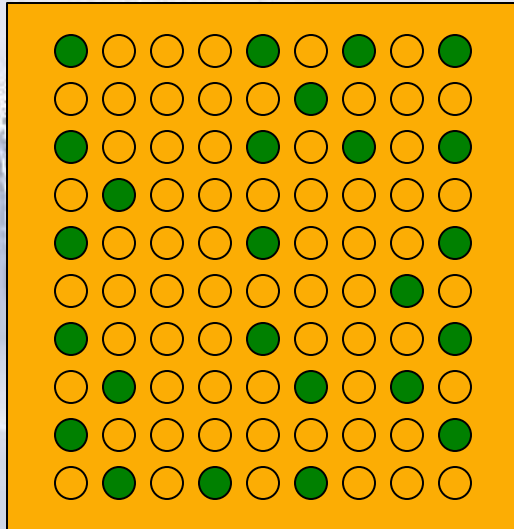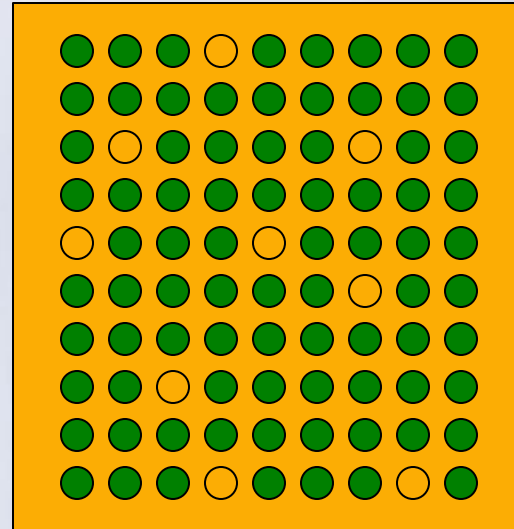 - Used to Measure All Tree Removal

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Intact Forest

Degraded >30% (FAO)

Deforested < 30%(FAO)

Reduced Tree Removal

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Additionality (Project)

- Legal Test
  - Except Protected Areas

- Economic Test
  - Rights Holders, Removers

- Redundancy Test
  - No Other Consideration

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Additionality (Carbon Emission)

- Documented Prospective Removal
  - o Planned

- Governmental Removal Baseline
  - o Jurisdictional

- Validated Projection Methodology
  - o Unplanned

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Leakage (Market and Activity)

- Separately Defined
- Standard Deductions for Each
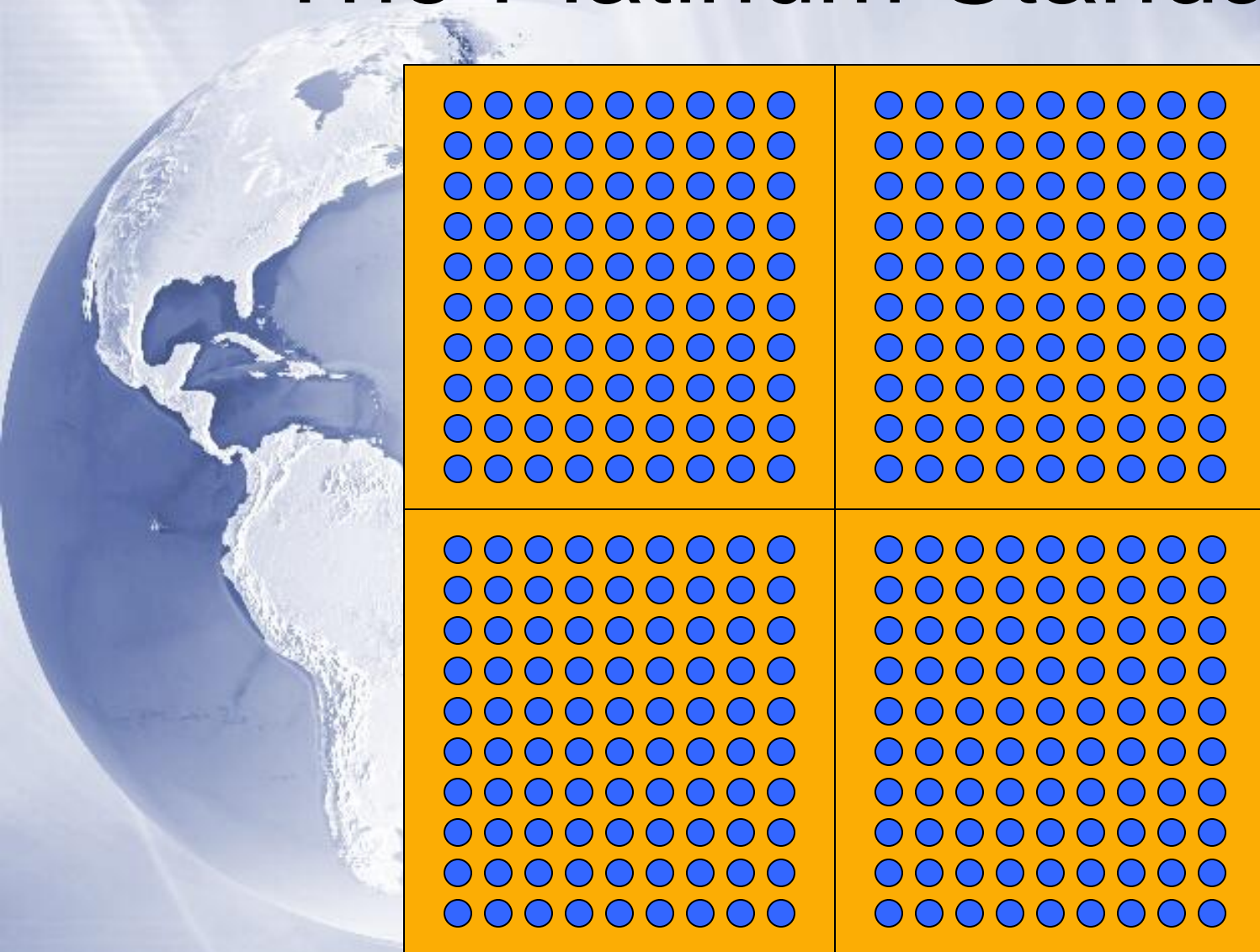- Empirical Alternatives Allowed
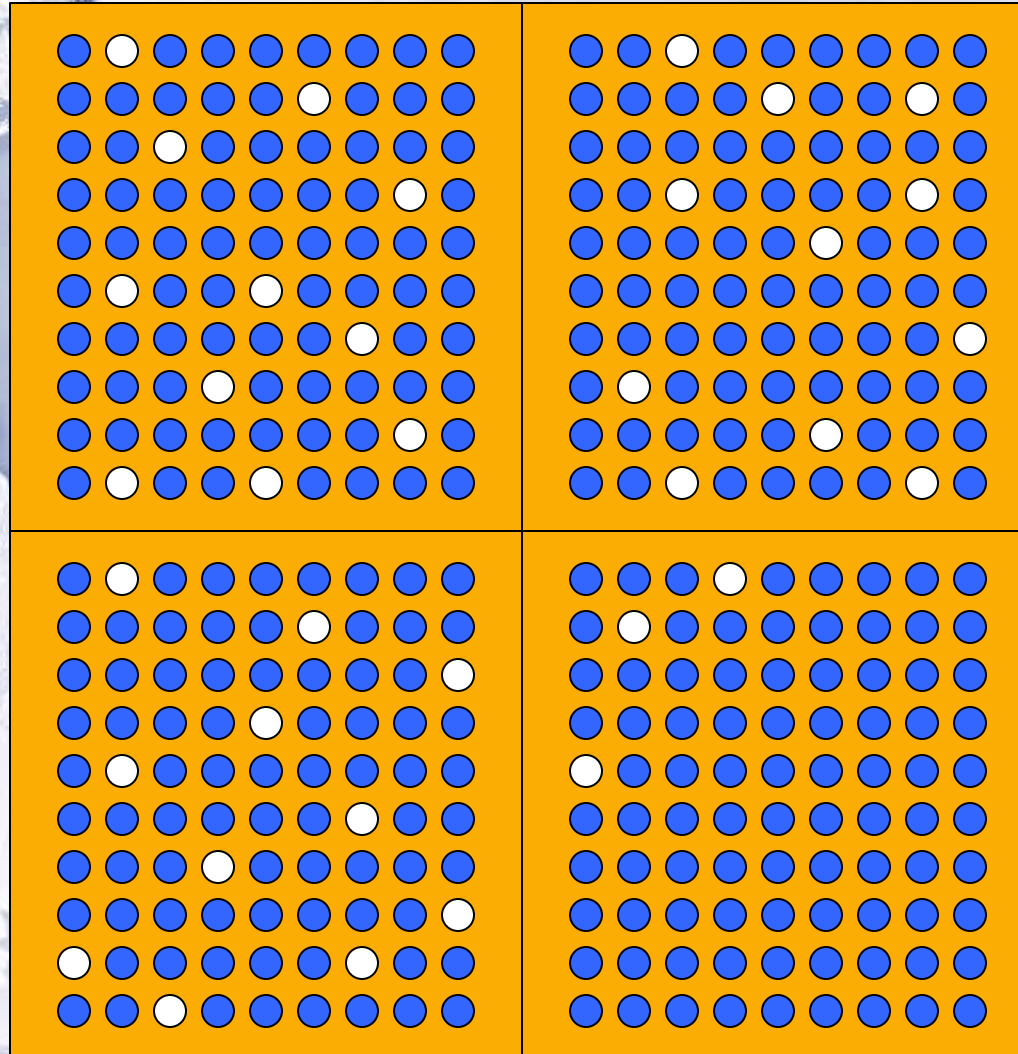
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Permanence (Principles)

- Improve Quality of Life
  - Rights Holder Buy-in and Commitment

- Incentivize Forest Conservation
  - Not Delayed Tree Removal

- Sufficient Reserves
  - To Cover Reversals

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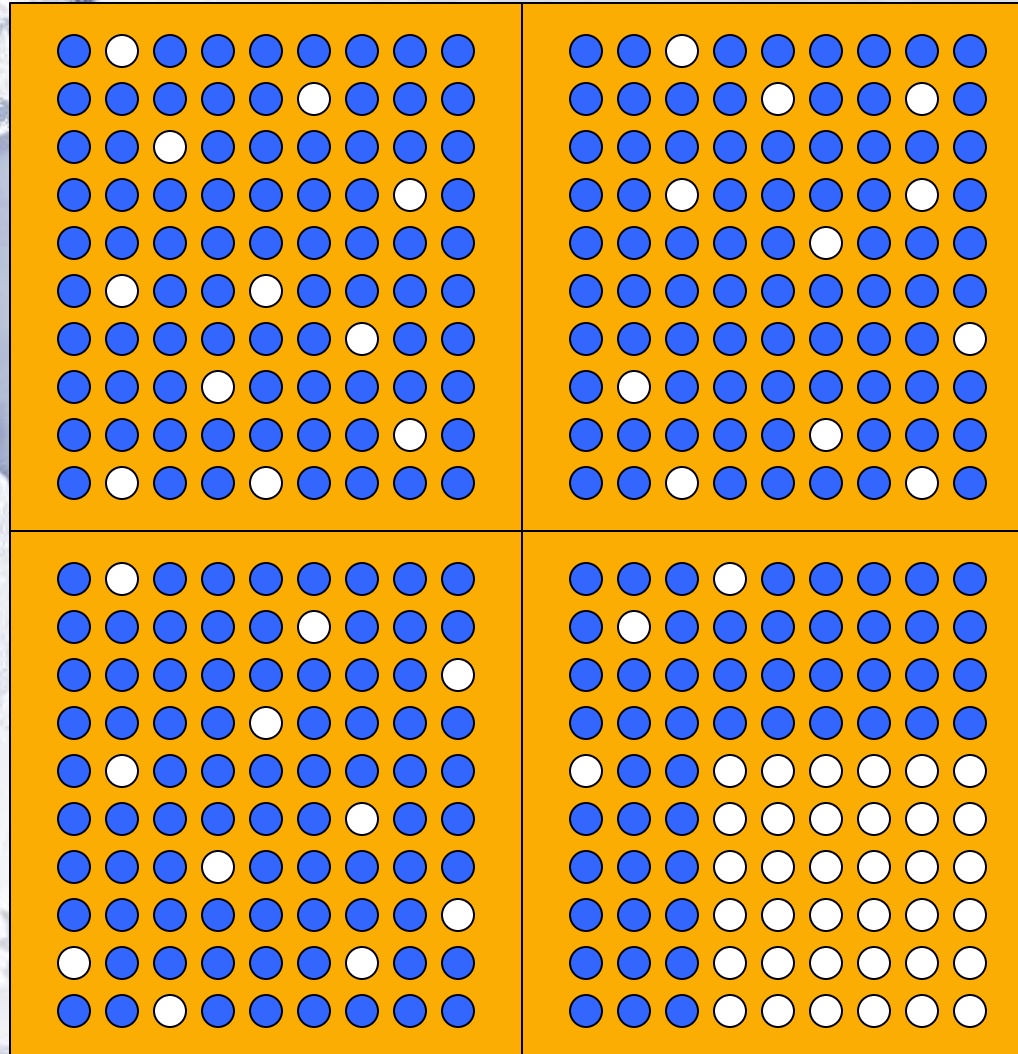

Forest at T_0 (360 tCO$_2$e) with benchmark emissions of 2%

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Forest at T_{10} (36 tCO$_2$e emitted and 36 tCO$_2$e not emitted)

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T_{11} Forest invasion = additional 36 tCO_2e emitted reversing entire T_{1-10} savings

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Permanence (Mechanisms)

- Permanence Trust Fund
- Ton-year Approach
- Buffer (under certain conditions)
- Buyer Liability
- Long-term Guarantees
- Insurance
- Other

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Full Transparency

- Website Presence

- Up-to-date Posting
  - Standard and Methods
  - Submissions and Commentaries
  - Reviews and Decisions

- Near Real Time Tracking
  - o Sellers
  - o Buyers
  - o Transfers

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Project Review System

- Public Commentary
  - All Project Documents are Posted for Public Comment

- Automatic Review
  - Some Aspects (e.g. alternative methods)

- Expert Referees
  - Resolve Conflicts between Project Documents and Public Comments

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Administration

- Credit Registration, Transfer, Retirement
- Defaults and Remedies
- Schedule of Fees