Initiative 20x20: A country-led effort to change the dynamics of land degradation in Latin America and the Caribbean

Rene Zamora-Cristales, PhD | June 6-9, 2017 | San Juan, Puerto Rico
Puntos de discusión

- Why Landscape Restoration in Latin America?
- Initiative 20x20: The evolution of a country-led movement
- The importance of governance: the case of public and private finance
- How countries are moving from political commitment to implementation
Poverty and Human Development

http://worldmap.canadiangeographic.ca/

International Conference on Forest Landscape Restoration under Global Change
Population in Latin America

Población estimada en millones

Suramérica-Brasil
Brasil
Centroamérica+Cuba_Haiti

CEPAL, 2016

634.3 M
Poverty in Latin America

CEPAL, 2016

29.2%
Cambio Climático: Adaptación, Mitigación

http://cait2.wri.org

150M Hectares under restoration by 2020

Bonn Challenge

350M Hectares under restoration by 2030

New York declaration on forests

20x20 20 M hectares under restoration by 2020

AFR 100 100 M hectares under restoration by 2030
Landscape Restoration: the role of the forests

Adaptado de la versión de Taylor (2017)
Agriculture:

Improve agricultural practices to rehabilitate functionality of the land and restore ecosystem services to improve social wellbeing, and improve livelihoods.
Landscape restoration

Highly disturbed and polluted mined lands

Conservation: Avoided Degradation

Reclamation: Restore highly degraded mined lands

Forest

Sustainable productive agriculture and forestry

Restoration: Ecological restoration of structure and composition

Rehabilitation: Climate smart agriculture

Degraded Agricultural Lands including grasslands

Rehabilitation: Agroforestry, Silvopastures

Non-Degraded Agricultural Lands

Work in progress: in collaboration with Bryan Finegan, Pablo Donoso and Robin Chazdon

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Compromisos de los países a la iniciativa 20x20

$1.5b

Financial ambitions by private sector impact investors to fund restoration projects in the region.

TOTAL 50 mha

Notes:
*Scalability to be accomplished by 2030
**Commitment to define a national restoration strategy
Initiative 20x20: A support platform for national restoration programs

Member countries and regional programs:
- Argentina
- Belize
- Brazil
- Chile
- Colombia
- Costa Rica
- Ecuador
- El Salvador
- Guatemala
- Honduras
- Mexico
- Nicaragua
- Panama
- Paraguay (Itaipu authority)
- Peru
- Regional programs: ABC, Bosques Modelo, Conservación Patagónica

Technical Partners:
- BONN CHALLENGE
- World Resources Institute
- CATIE
- CIAT
- UCR
- IUCN
- Biodiversity International
- SNV
- Natural Capital Project
- REFOREST.
- Pro Natura
- Zerostam Tamón México A.C.
- Funbio
- CCC
- ICC
- CANON
- ANCON
- Reforestalia
- Pro Natura
- FUNDONE
- Institute Centro de Vida

Financial Partners:
- IDB
- CAF
- World Bank Group
- GeF
- Canopy
- LXX
- RECOF
- PROCON
- PERMIAN GLOBAL
- CANOPY, Conservation and the Fund
- Canopy Fund for Forests and Agriculture
- Moringa Partnership
- EcoEnterprises Fund
- Amazon Rainforest Fund
- Root Capital
- Green Climate Fund

New York Declaration on Forests
FACTORS OF SUCCESS

• Initiative is driven by countries; they design the agenda and activities.

• Technical partners provide target support: Coordination among technical partners is improved by the 20x20 platform.

• Emphasis not only on forests

• Key driver for cooperation is the learning potential from other countries in the region.

• Private capital sees rationale for investment but is also motivated by environmental concerns.

• Technical partners see benefits from aligning activities with government and private needs.
CHALLENGES: GOVERNANCE AND DECISION-MAKING

Our Institutions: Government, NGO’s, Private companies

Performance:
Time to reach stability

Complete Freedom:
Everyone is communicating with everyone else = n(n-1) communication channels

If n=40 the n(n-1) = 40 x 39 = 1560

Source: Designing Freedom, Stafford Beer, 1973
CHALLENGES: PUBLIC INCENTIVES/SOIL RENT

Changing the land use through restoration

Other environmental and social benefits (Co-benefits)
Timber, CO₂, FP, ES, NWFP, Soil carbon

Margin effect

Planning Horizon

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RESOURCE ALLOCATION OF PUBLIC INCENTIVES IN RESTORATION

Cost: $500/ha
Benefit: $1000/ha
Incentive: $1200/ha

Not only market values

Cost: $500/ha
Benefit: $1000/ha
Incentive $1200/ha
PRIVATE INVESTMENT: BARRIERS

Key factors to scale private investments in restoration at scale

1. Capital
2. Markets
3. Policies
4. Capacities
5. Research

Faruqi and Wu (2017)
RESTORATION VALUE CHAINS: THE NEXUS BETWEEN FOREST LEGALITY AND RESTORATION

Value chains: Processing and transportation

Sustainable products from the restoration
Sustainable native species seed supply

One man’s trash is another man’s treasure.


ISFRE New Orleans, 2017
FROM POLITICAL COMMITMENT TO IMPLEMENTATION

- **CONAFOR plan nacional de restauración; Península de Yucatán**
- **Programa Nacional de Restauración de Ecosistemas y Paisajes (PREP)**
- **Plan Maestro Paisajes Sostenibles**
- **Programa Nacional de recuperación de áreas degradadas (RAD)**
- **Programa de recuperación de suelos degradados/ restauración de bosques nativos Red Chilena de Restauración**

**National plans and strategies**
Curso internacional
La restauración de paisajes
Principios y herramientas inclusivas para liderar la transformación

Del 8 al 19 de mayo de 2017
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