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# CLIMATE BENEFITS, TENURE COSTS

*The Economic Case For Securing  
Indigenous Land Rights in the Amazon*

**#LandTenure**





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*The Economic Case For Securing  
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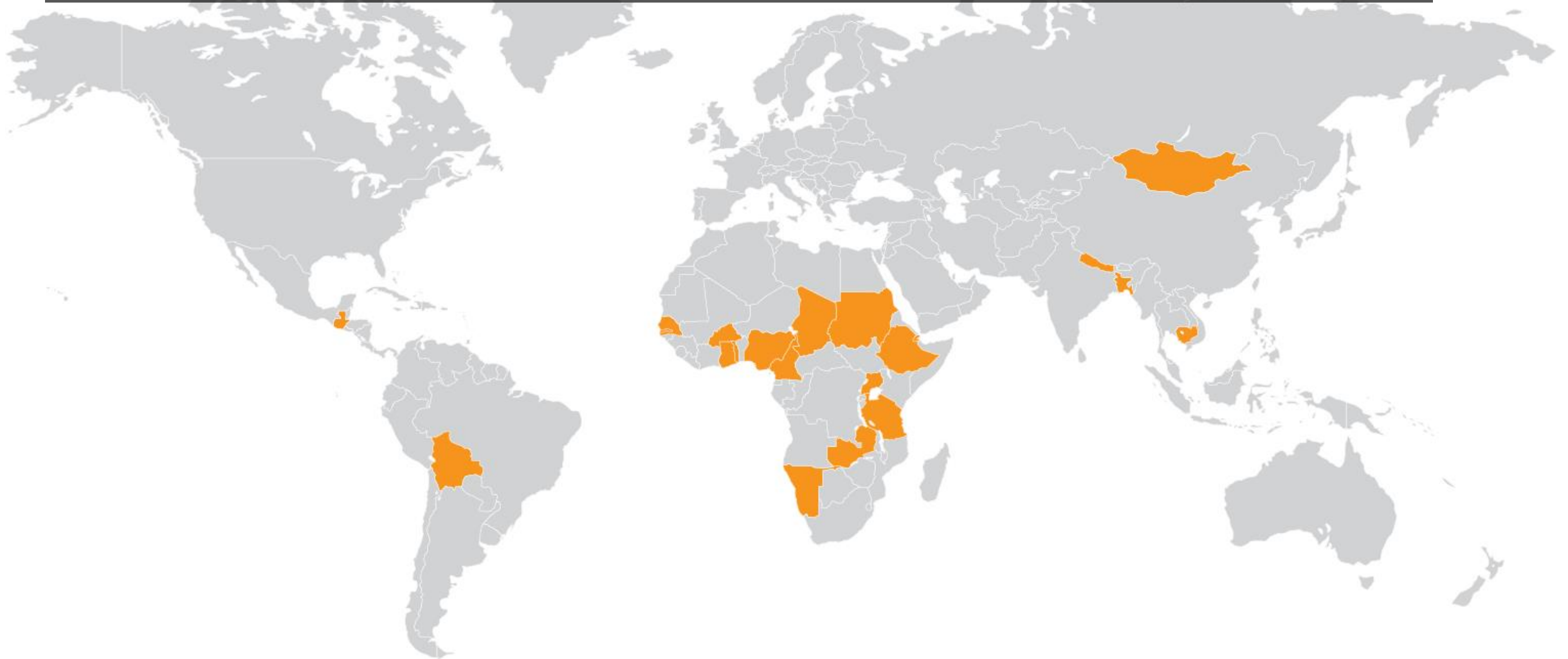
**LAUNCH EVENT**

7 October 2016

10:00 – 11:30 AM EDT



# 167 NDCs HAVE BEEN SUBMITTED BUT ONLY 21 INCLUDE INDIGENOUS PEOPLES





# COMBATING DEFORESTATION ESSENTIAL TO CLIMATE CHANGE

**24% of GHGs**

from deforestation  
and land use

**58% of emissions**

in Latin America are from  
land use and land use  
change



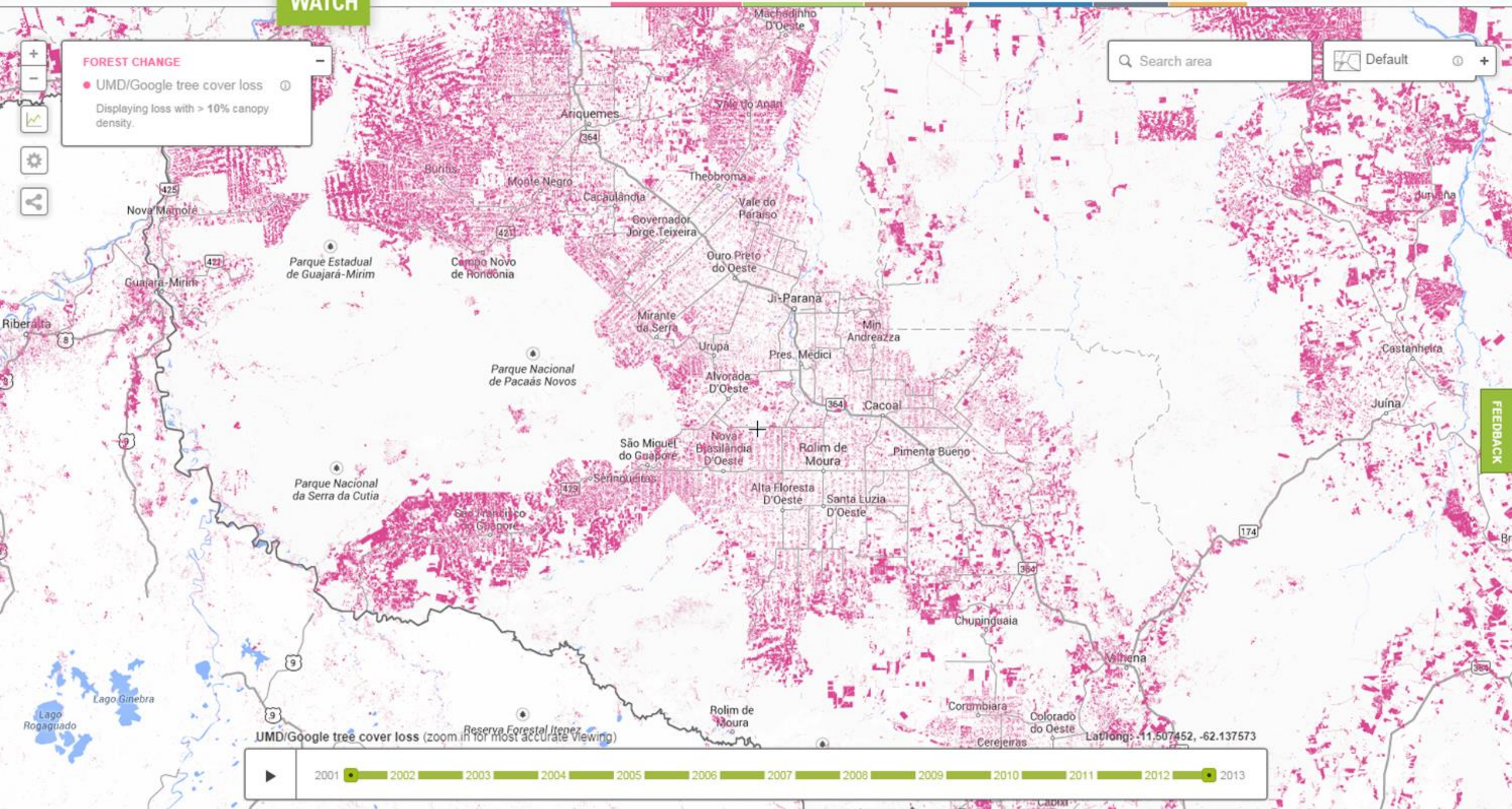
# STRONG LAND RIGHTS DELIVER . . .



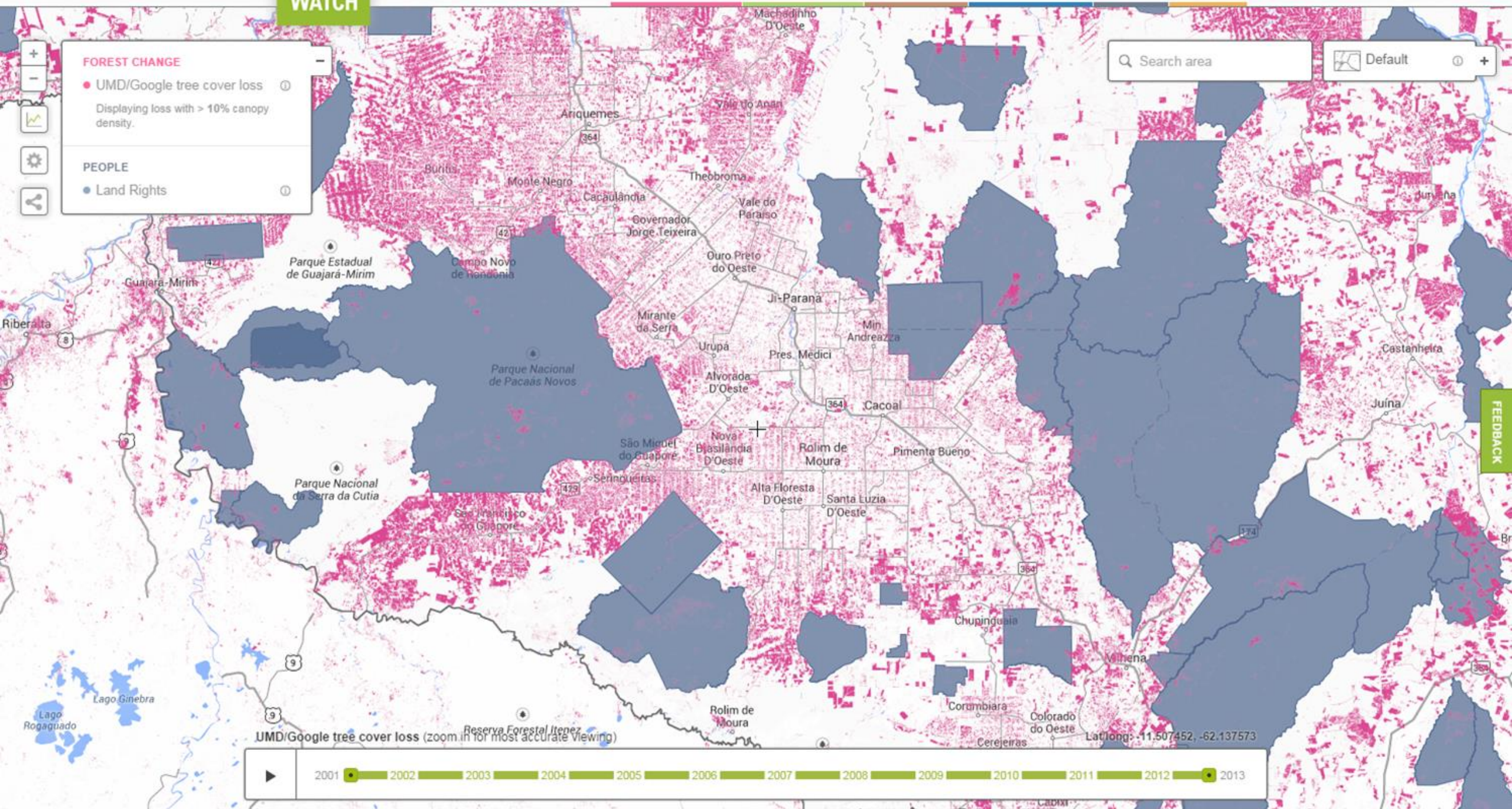


2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013













## FOREST CHANGE

- UMD/Google tree cover loss ⓘ

Displaying loss with > 10% canopy density.

## FOREST COVER

- Tree cover extent ⓘ

Displaying extent with > 10% canopy density.

Search area

Default ⓘ



UMD/Google tree cover loss (zoom in for most accurate viewing)

Lat/long: -11.507452, -62.137573

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013



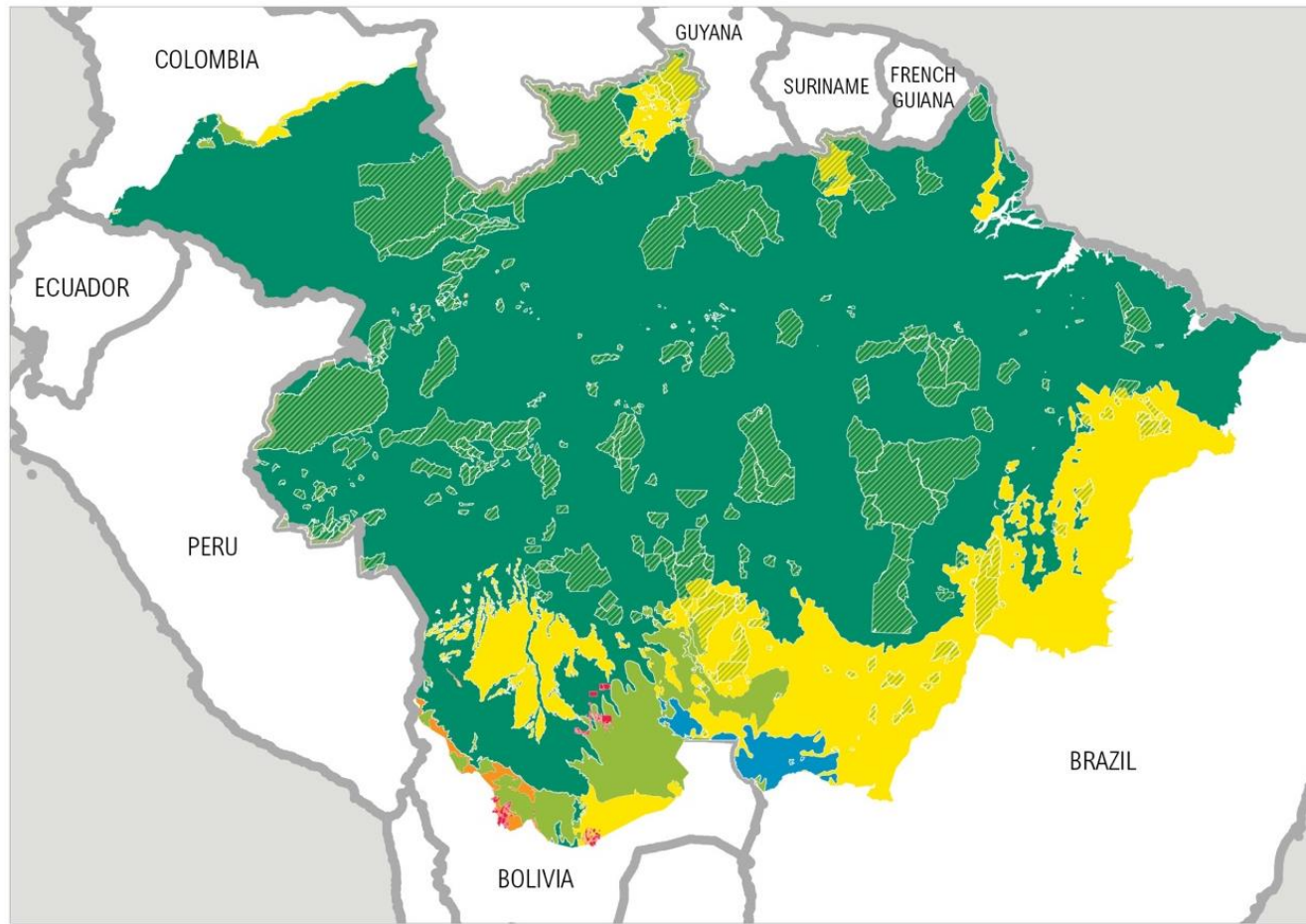
# CARBON CONTENT OF COMMUNITY FORESTS

Legal Rights for Forest Communities Curb Climate Change





# RESEARCH FOCUSES ON INDIGENOUS LANDS IN BOLIVIA, BRAZIL, AND COLOMBIA



## BIOME

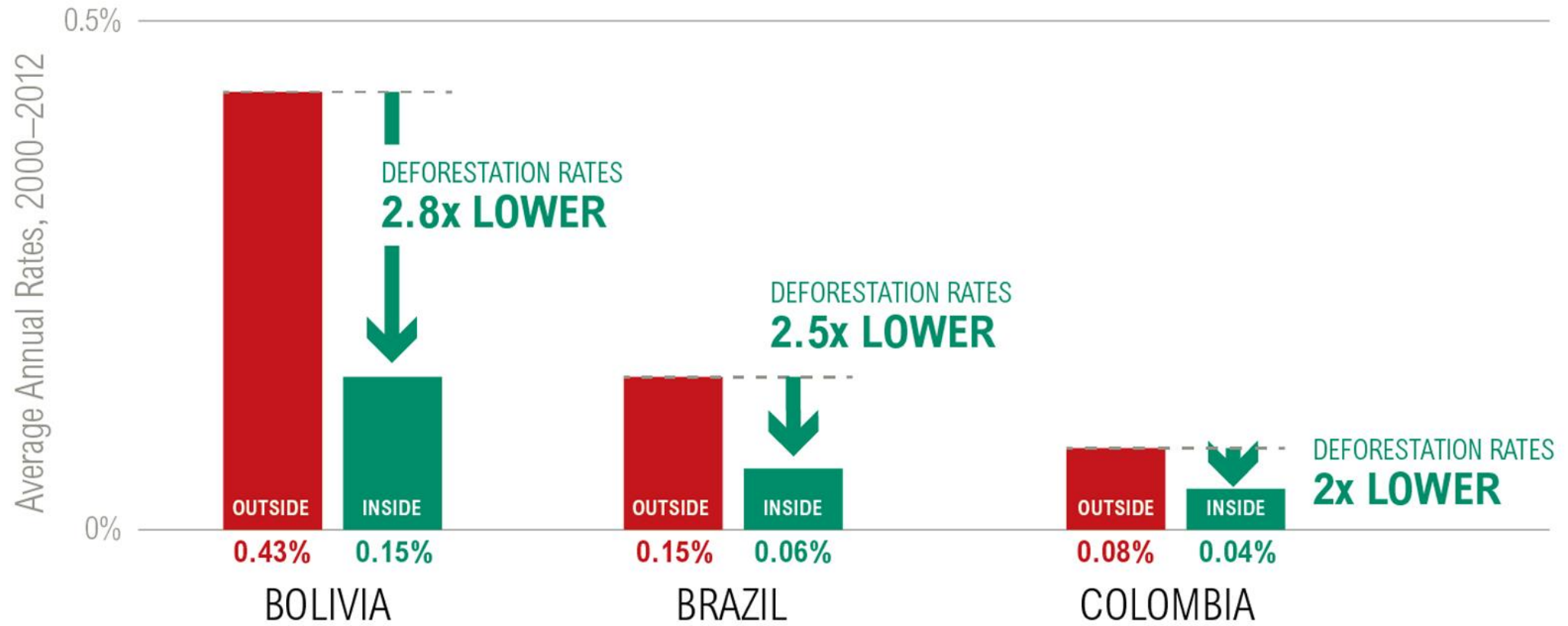
- Tropical and Subtropical Moist Broadleaf Forests
- Tropical and Subtropical Dry Broadleaf Forests
- Tropical and Subtropical Grasslands, Savannas, and Shrublands
- Flooded Grasslands and Savannas
- Montane Grasslands and Shrublands

- Indigenous Lands
- National Boundaries
- Amazon Basin



# LOW DEFORESTATION RATES

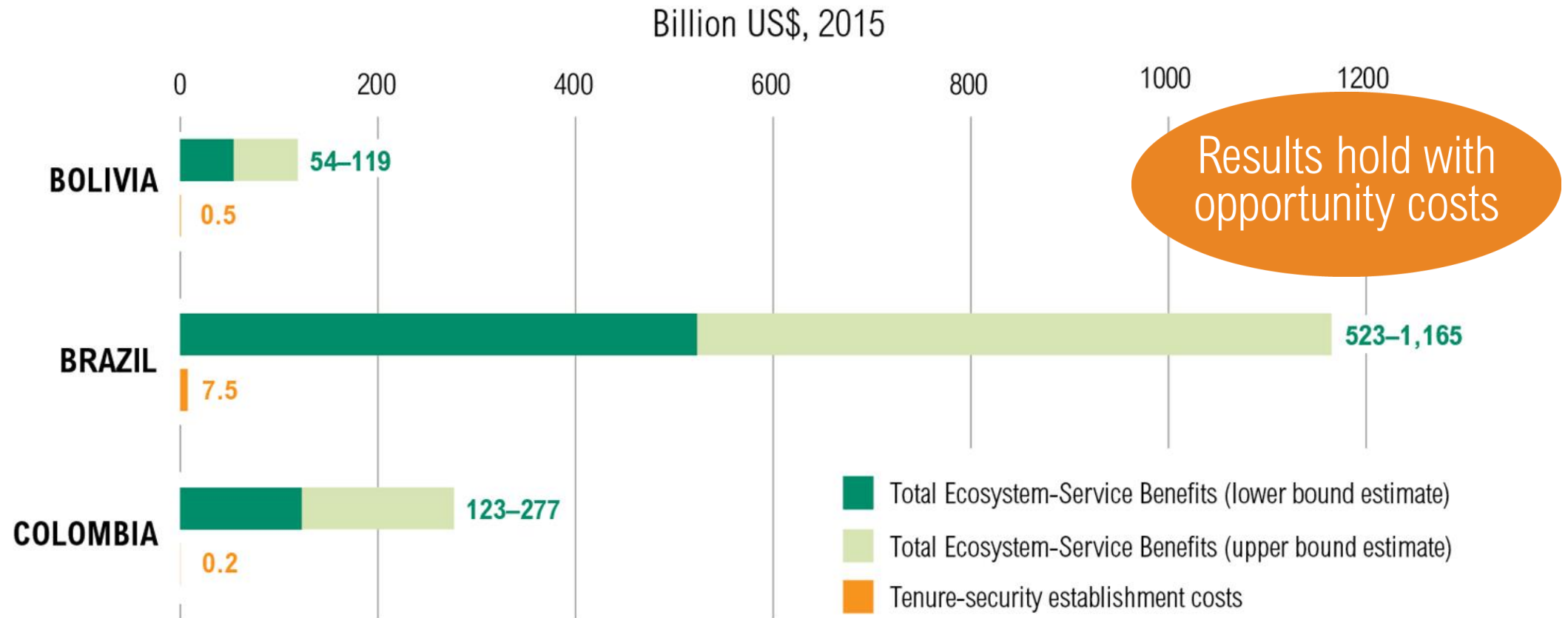
Less Deforestation in Tenure-Secure Indigenous Lands





# LOW-COST, HIGH-BENEFIT INVESTMENT

## Benefit-Cost Analysis Results—Net Present Values (2015 USD)





# CARBON BENEFITS

## Tenure-Secure Indigenous Lands Offer Potential to Avoid Emissions

### SECURING INDIGENOUS FORESTLAND IN:

#### Bolivia

has the potential to avoid:

**8.04**

Mt CO<sub>2</sub> per year

WHICH IS EQUIVALENT TO:



**1,698,318**

Passenger vehicles taken  
off the road for one year

**\$4.1bn**

#### Brazil

has the potential to avoid:

**31.76**

Mt CO<sub>2</sub> per year

WHICH IS EQUIVALENT TO:



**6,708,778**

Passenger vehicles taken  
off the road for one year

**\$16bn**

#### Colombia

has the potential to avoid:

**3.01**

Mt CO<sub>2</sub> per year

WHICH IS EQUIVALENT TO:



**635,813**

Passenger vehicles taken  
off the road for one year

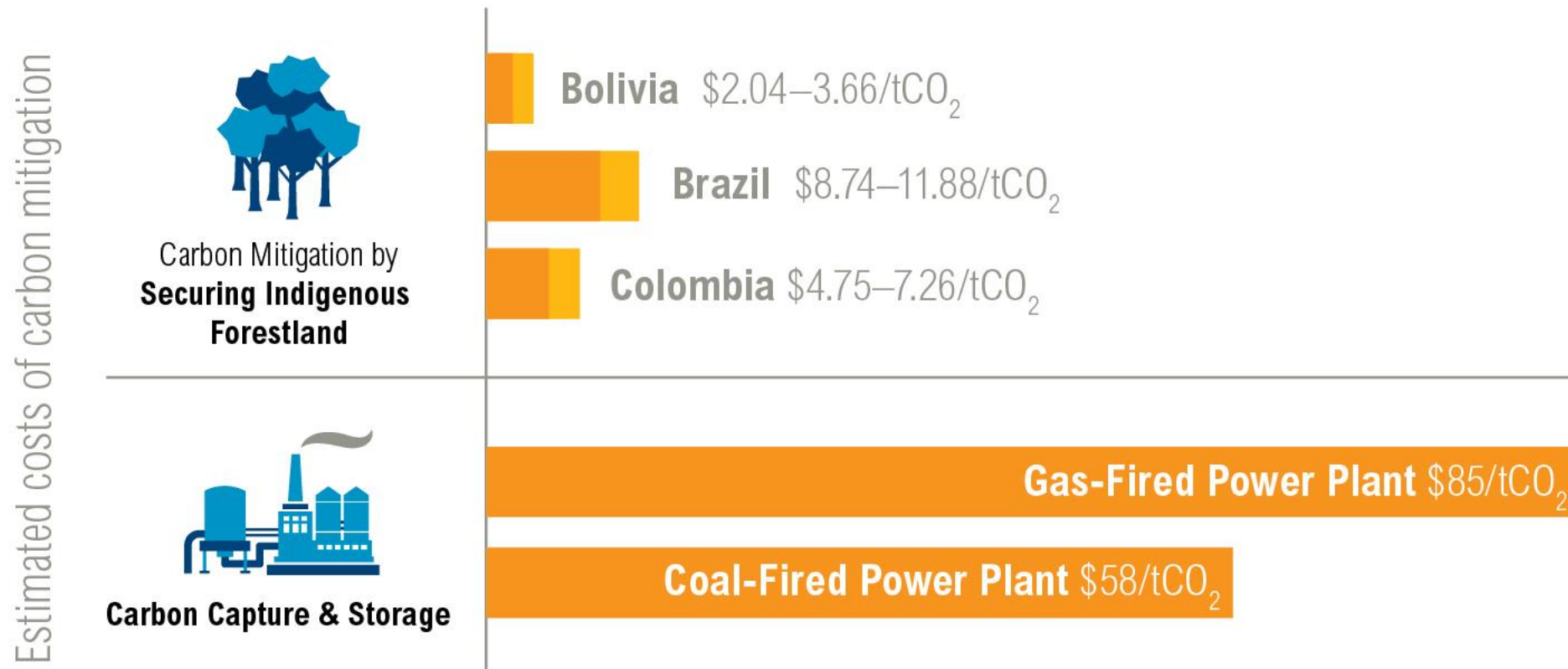
**\$1.5bn**





# COST-EFFECTIVE FOR CARBON MITIGATION.

Estimated Costs of Carbon Mitigation through Indigenous Forestland-tenure Security and Other Carbon Capture and Storage





# POLICY IMPLICATIONS

Establish  
and protect  
tenure-secure  
community  
forestlands

Make securing  
rights a central  
climate change  
mitigation  
strategy

Utilize  
international  
development  
funds to  
support





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