CROWTHER LAB

he game: FRIZBALL





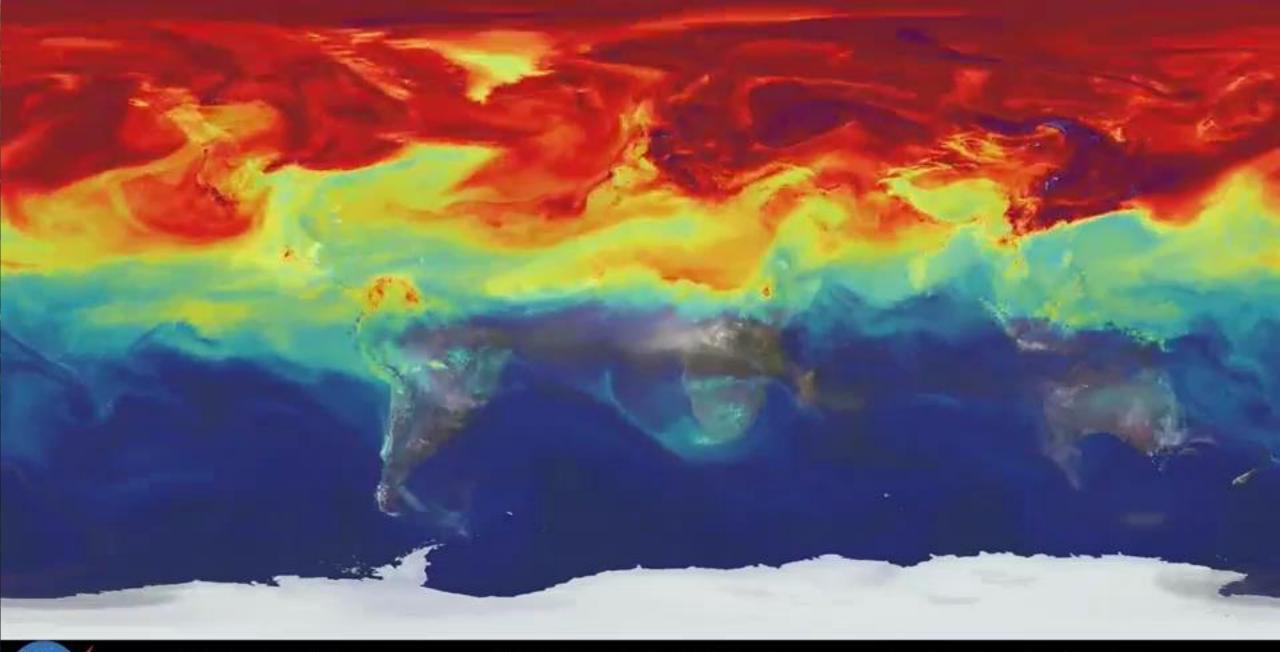


Embrace the challenge: More likely to succeed Enjoy the process

OF THE WORLD RECOGNIZES CLIMATE CHANGE









Global Modeling and Assimilation Office

NASA

Carbon Monoxide Column Abundance [1.0e18 molec cm-2]

3.0

3.6

24

4.8

4.2

5.4

6.0 377

379

0.0

0.6

1.2

18

Carbon Dioxide Column Concentration [ppmv]

393

391

Solutions: Refrigeration management: 24Gt Stop meat consumption: 18Gt

Global Restoration:



PREVIOUS ESTIMATE 400 BILLION TREES



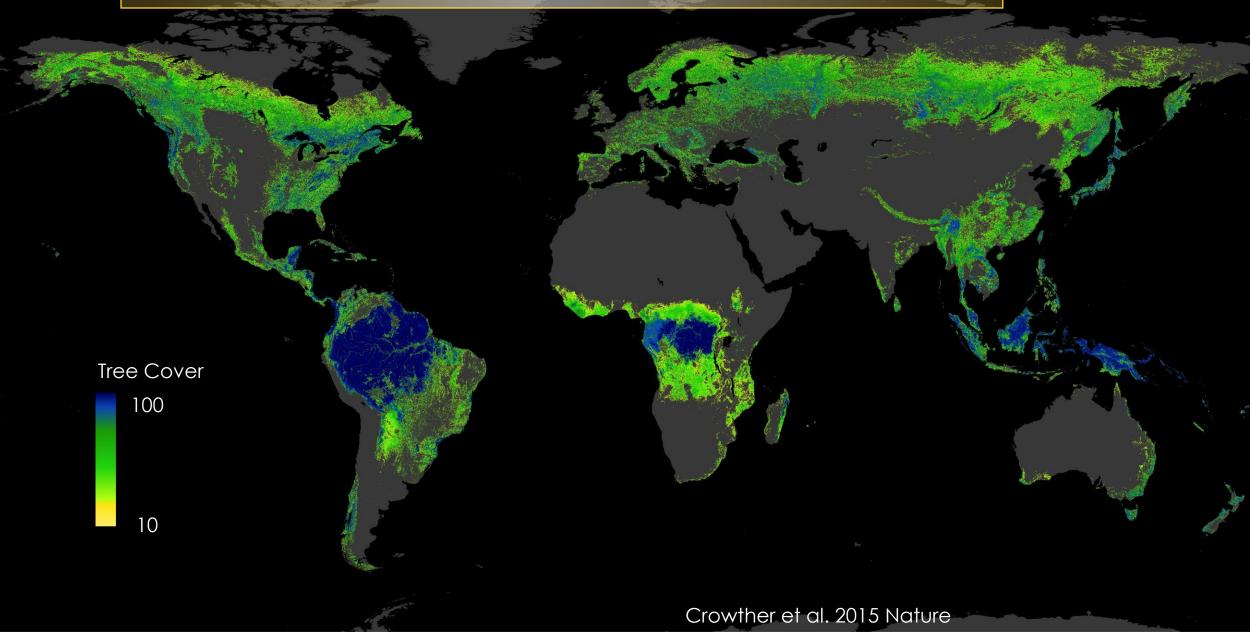


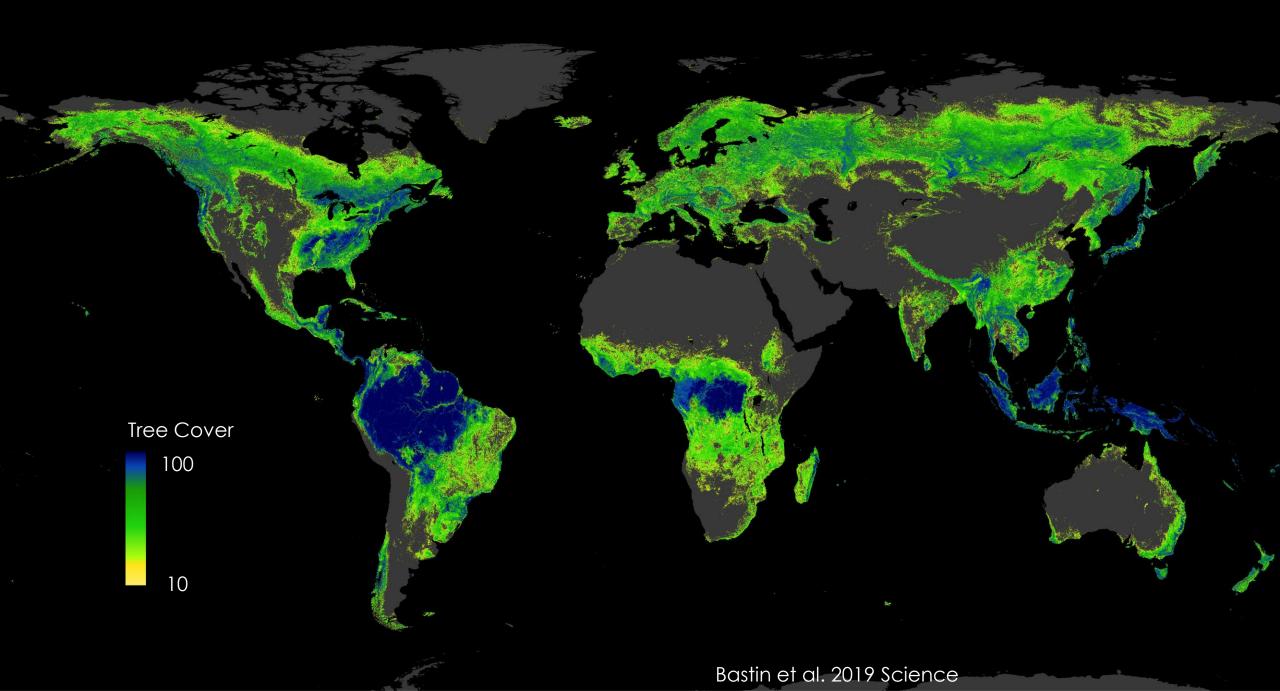


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Crowther et al. 2015 Nature

~3 trillion trees on Earth store ~450Gt Carbon





Restoration potential ~205 GT carbon



Bastin et al. 2019 Science



SOLLECTION

Reidtatation foot entidated dGt carbon

Soil Carbon (g kg⁻¹)

80

Sanderman et al. 2017 PNAS

Restoration potential > 116Gt soil carbon

Forests

~30%

Restoration potential > 116Gt soil carbon

Grassland & Shrublands:

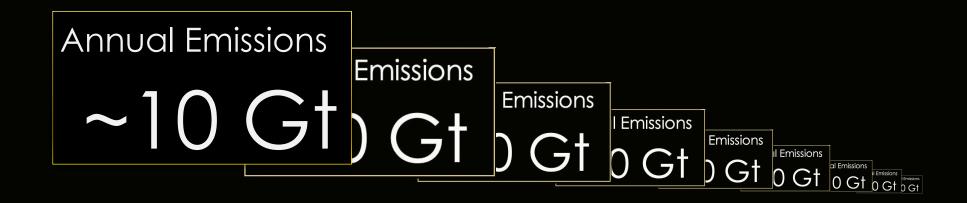
~39%

Restoration potential > 116Gt soil carbon

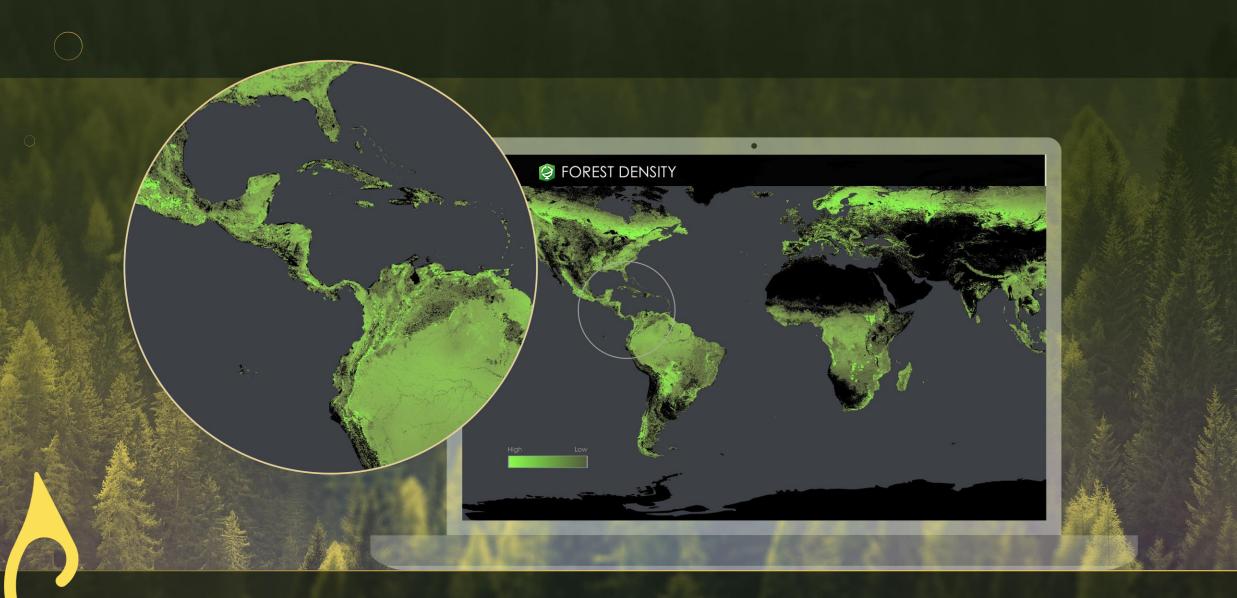
Wetlands & Peatlands:

31%









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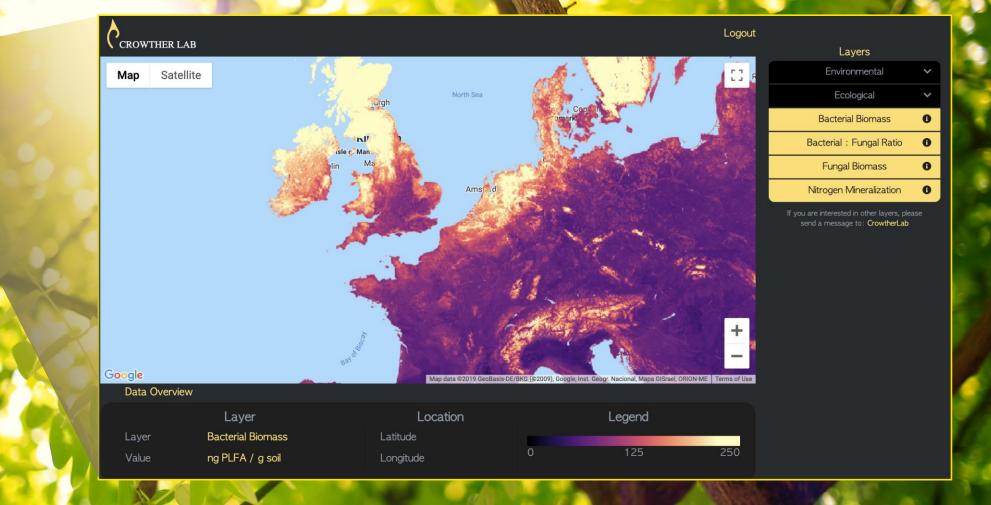
Global Restoration \$300 BILLON



Donate

Plant

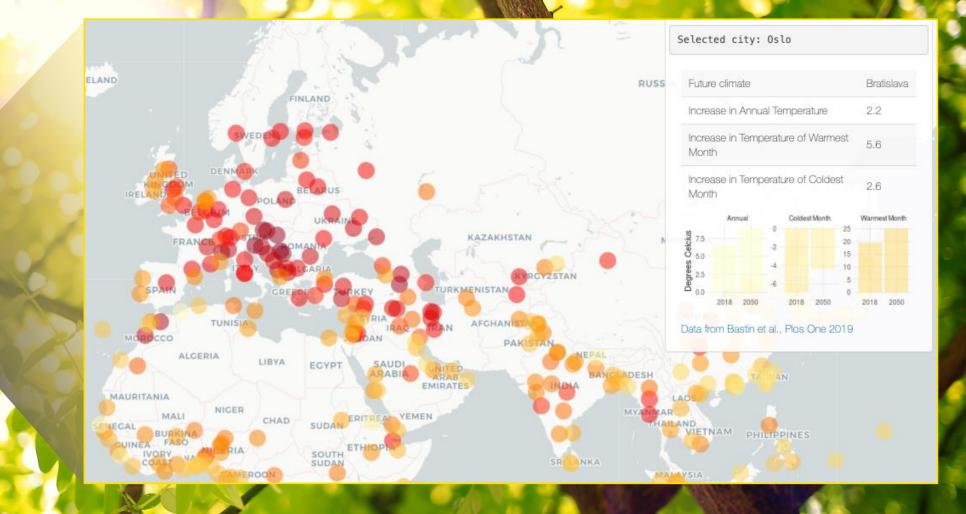
invest



Donate

Plan

invest



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Publish Changes	Product	990	T14	033	
Process Model					
Dimension Data					
Marival Data					
Manual Views					
C Log Tobles					
C History Tables					

0

Plan

Donate

Invest

It sounds great. But it is just naive. We will never restore the entire globe

Embrace the challenge More likely to succeed Enjoy the process



dub ecology

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