Return of the Trees

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FIGHTING CLIMATE CHANGE WITH FORESTS

<1.5°C
Paris Agreement

To keep temperature rises below 1.5°C, we must:

- Bring fossil fuel emissions to zero by 2050
- Absorb 500 bn tonnes of CO₂ from the atmosphere
- Stop forest destruction

A safe solution?

**Restore forests to store more carbon!**
DEGRADED FORESTS
Promising opportunities

An area of land and forest twice the size of Canada is currently degraded.

In one year:
11.1 bn tonnes CO₂.

In 60 years:
666 bn tonnes CO₂.

If only tropical degraded forests were restored, within 60 years 666 billion tonnes of CO₂ would be captured.

Restoring degraded forests would help us achieve the goals of the Paris Agreement.
Which to be fulfilled requires the removal of 500 billion tonnes of CO₂.

Houghton et al 2015
Return of the trees

Fred Pearce

How restoring natural forests can stem climate change and revive rural communities

Picture: Hanna Aho