

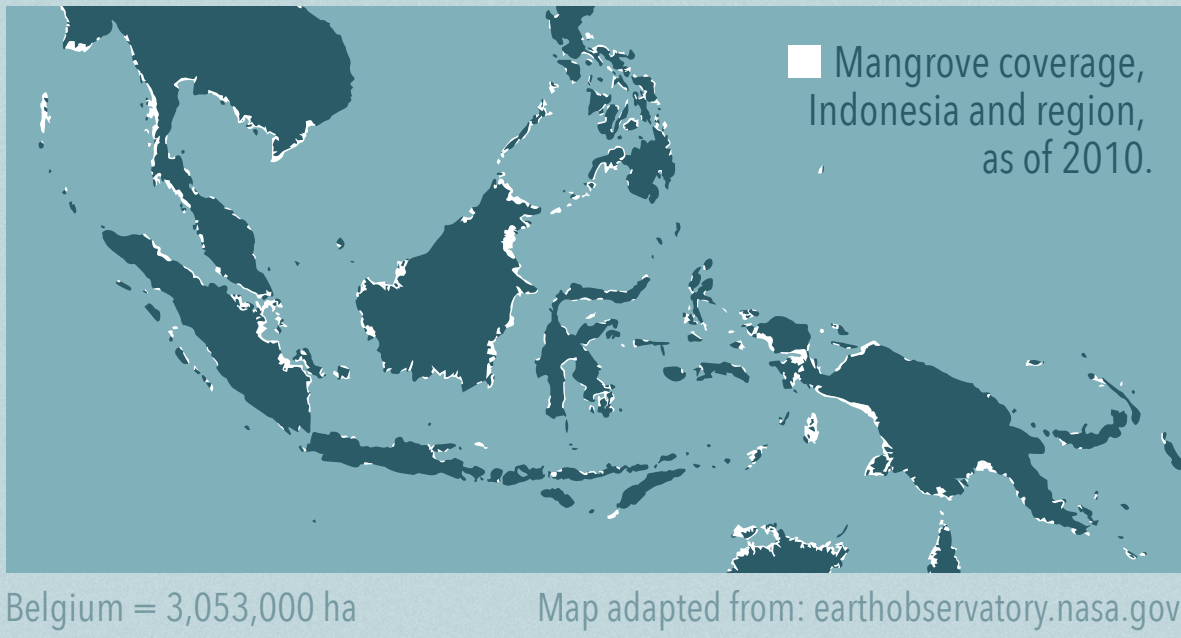
5 REASONS

STOPPING MANGROVE DEFORESTATION MAKES A WHOLE LOT OF SENSE FOR CLIMATE CHANGE MITIGATION IN INDONESIA

1. INDONESIA HAS A WHOLE LOT OF MANGROVES

Indonesia has:
2,900,000
HECTARES OF MANGROVE FORESTS
AN AREA ALMOST THE SIZE OF
Belgium

Almost **1/4** of all mangrove ecosystems on earth



2. MANGROVES STORE A WHOLE LOT OF CARBON

Per hectare, Indonesia's mangrove forests store **5X** the carbon of upland forests

Out of all carbon stored globally in coastal ecosystems, Indonesian mangroves store: **1/3**

3.14 billion
Total carbon stored in Indonesian mangroves, in tonnes

Number of years it would take Indonesia to emit that much carbon in fossil fuel usage, at 2011 levels: **20**

3. A WHOLE LOT OF MANGROVES ARE DESTROYED EVERY YEAR

52,000ha of Indonesian mangroves disappear every year, an area the size of **New York City** every 18 months

40% of Indonesian mangroves were destroyed in the last 3 decades, mainly due to **aquaculture**

? WHAT IS AQUACULTURE?
Aquaculture is the *farming* of aquatic organisms. Any climate change mitigation efforts involving mangroves should include well-managed and conservative aquaculture development, as it plays an important role in sustainable coastal livelihoods.

4. THIS DEFORESTATION RELEASES A WHOLE LOT OF CARBON

Annual emissions from Indonesian mangrove destruction: **190,000,000** **t** CO₂-EQ

That's the same amount of emissions as if **every car in Indonesia** drove around the world twice (at 2011 Indonesian passenger car levels) **9.5M x 2**

42% of annual global emissions from the destruction of coastal ecosystems are from the destruction of Indonesian mangroves. 'Coastal ecosystems' includes marshes, mangroves & sea grasses

5. HALTING MANGROVE DEFORESTATION COULD MAKE A WHOLE LOT OF DIFFERENCE TO CLIMATE CHANGE

Stopping mangrove destruction could meet

1/4

of Indonesia's **26%** emissions reduction target for 2020...

x40M

...equivalent to **40,000,000** fewer cars on the road

FAST FACTS: MANGROVE FORESTS

MANGROVE CARBON STORAGE:
1,083,000 kg/Ha

Living biomass
20%

WHAT IS A MANGROVE FOREST?
Mangroves are a family of evergreen trees and shrubs that live on the coast, in the intertidal zone of some tropical and subtropical areas. Mangrove forests are best known for their dense tangle of roots, which can give the appearance of trees on stilts in the water.

2%
Dead & downed biomass

Soil
78%

MANGROVE FORESTS PROVIDE MANY VALUABLE ECOSYSTEM SERVICES, SUCH AS:

MILLIONS OF MIGRATORY BIRDS depend on mangroves for food during their journeys

Up to 75% of tropical commercial fish species spend part of their lives in mangroves

REGULATION of factors such as pollution, flood and erosion

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