

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
 $\frac{1}{4}$ of all
mangrove
ecosystems
on earth

2. MANGROVES STORE A WHOLE LOT OF CARBON

Per hectare,
Indonesia's
mangrove
forests store
more than
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

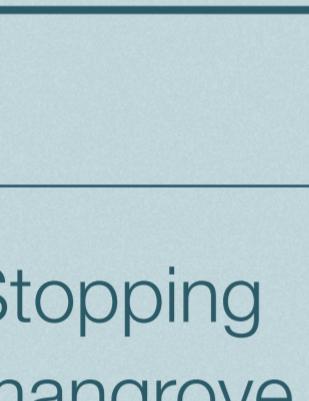
Number of years it would take
Indonesia to emit that much carbon
in fossil fuel usage, at 2011 levels:

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



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

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

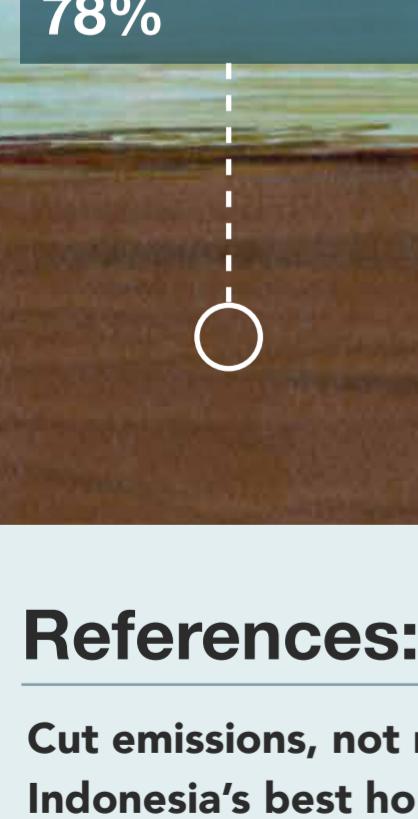
of Indonesia's
26% emissions
reduction target
for 2020...

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

FAST FACTS: MANGROVE FORESTS

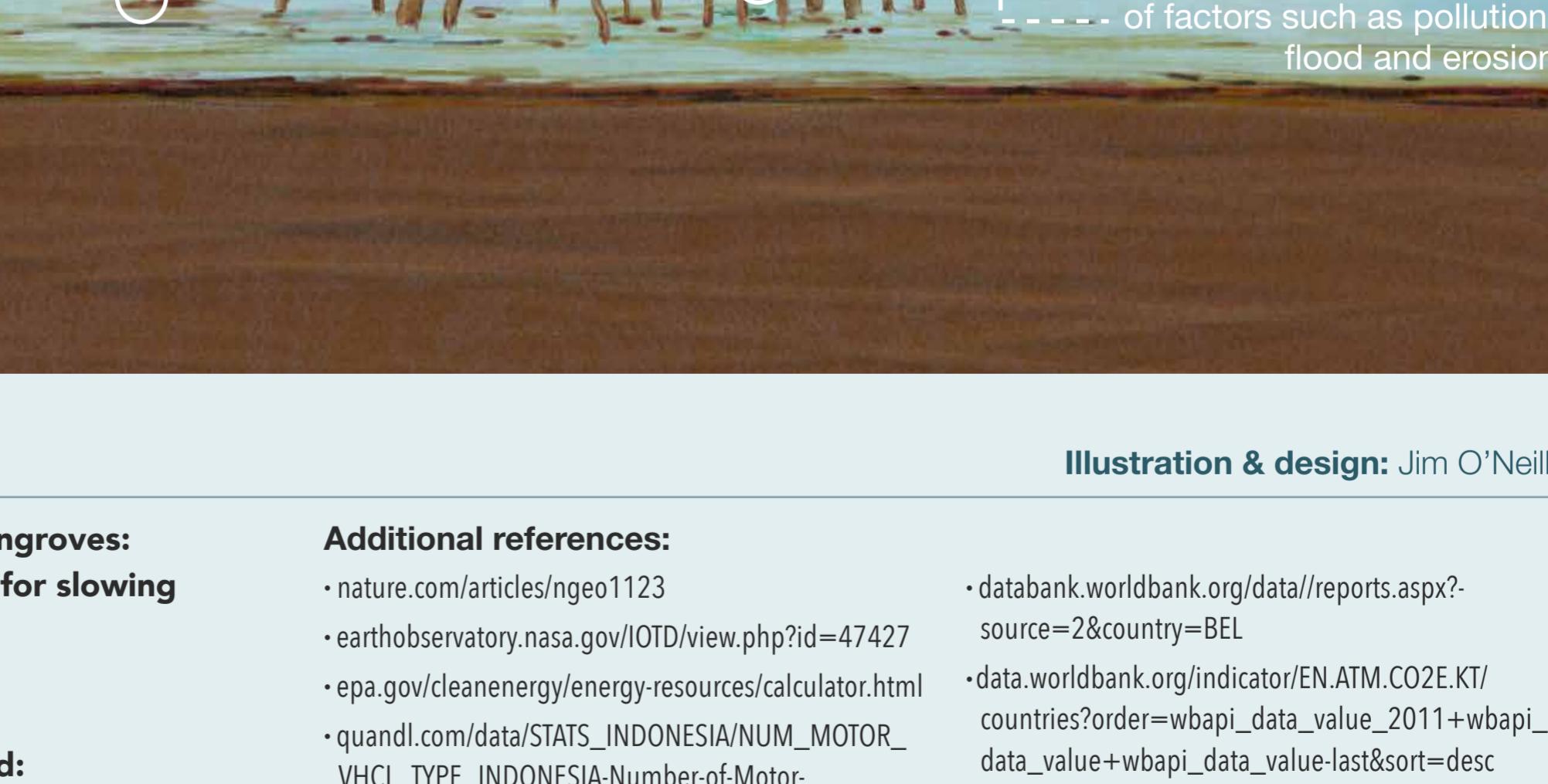
MANGROVE CARBON STORAGE:

1,083,000 kg/Ha



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.



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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Read more:
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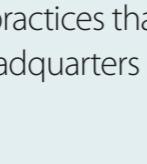
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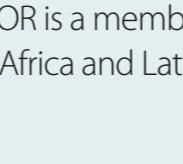


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