

Counting trees

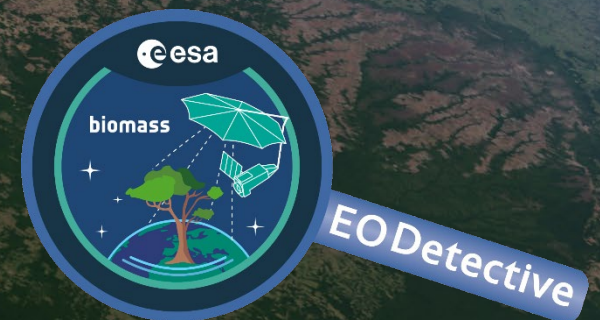
How many trees in a forest?



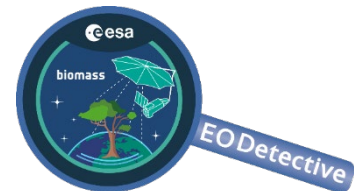
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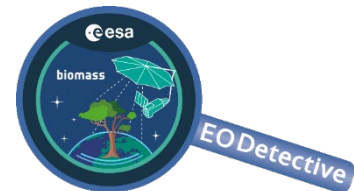
Earth Observation science for a changing planet

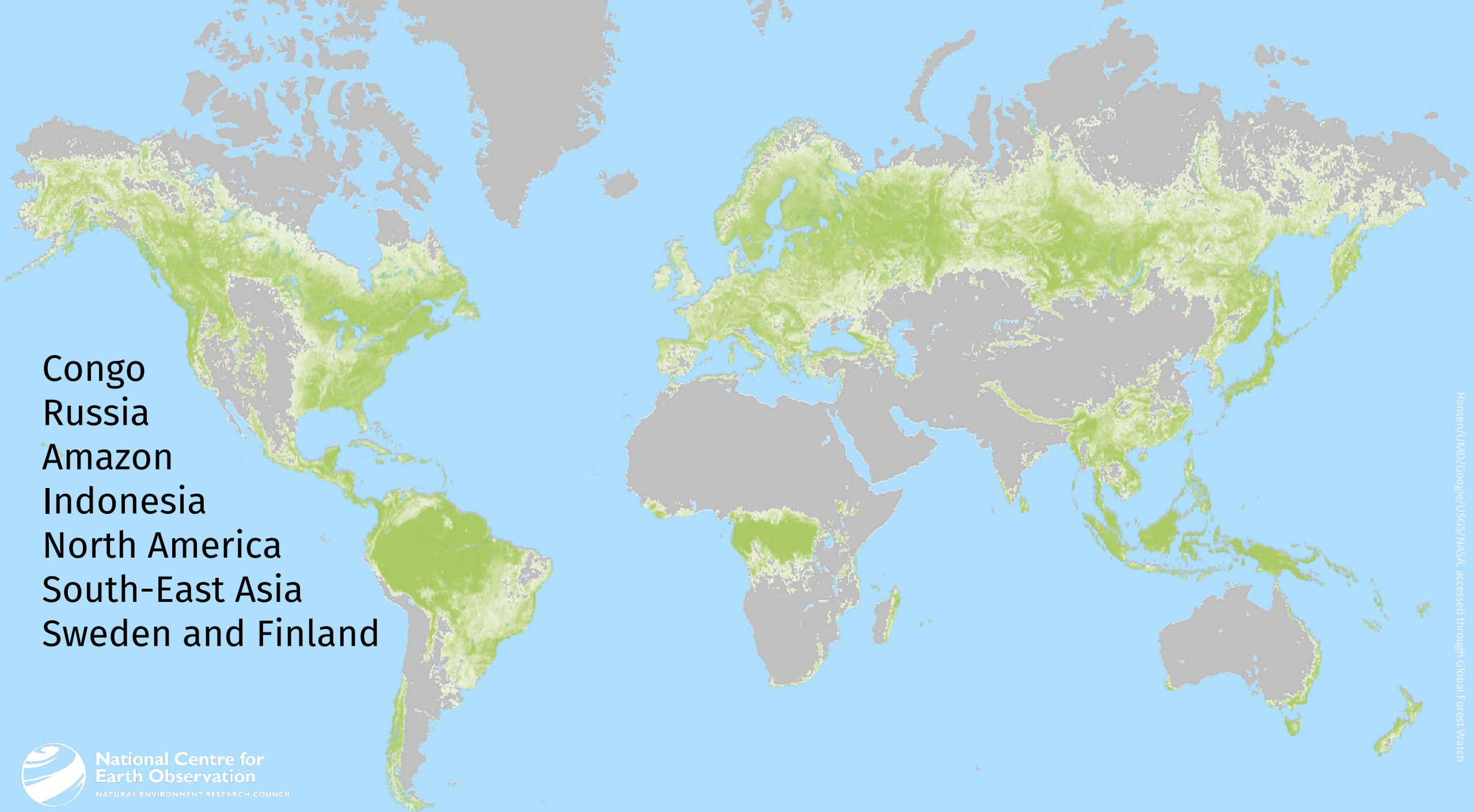


- Show the biggest forests of the Earth on a map of the world.
- Give ideas about why the number of trees in forests can change.
- Explain how to count trees.
- Know how the Biomass satellite will help.



- wood
- forest
- tropical rainforest
- climate
- deforestation
- agriculture
- ecosystem
- biome
- climate zone
- vegetation





Congo
Russia
Amazon
Indonesia
North America
South-East Asia
Sweden and Finland

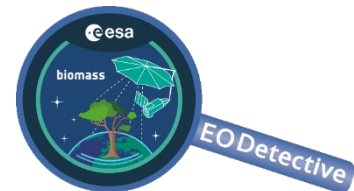
Changing forests 1

On your map of the world:

a. Use a coloured pencil to colour in the biggest forests.

You can use the grey lines to help.

b. Use the same colour to colour in the 'Forests' box in the key.



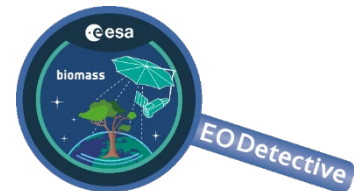
Changing forests 2

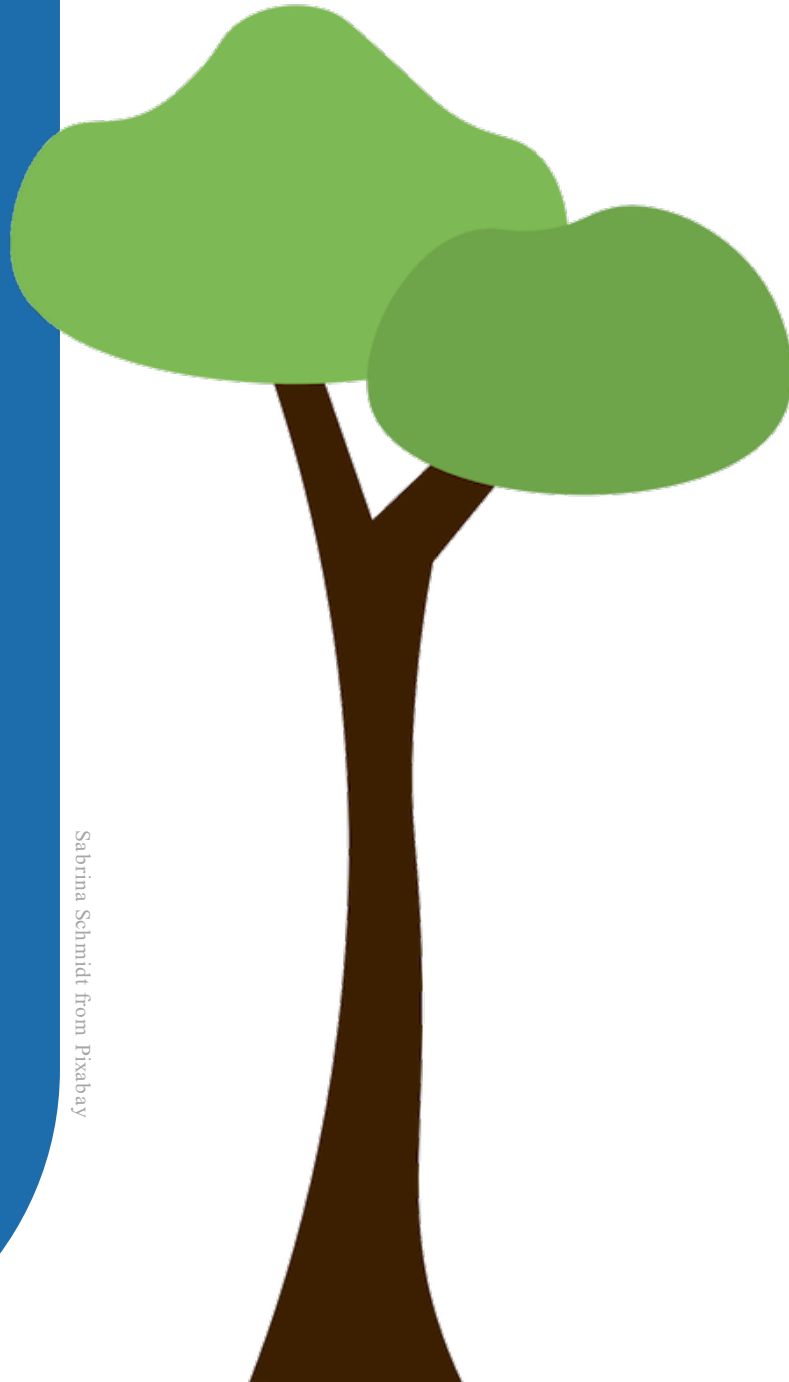
Use these words to label some forests:

- Congo
- Russia
- Amazon
- Indonesia
- North America
- South-east Asia
- Sweden and Finland

Hint

You could use an atlas to help.

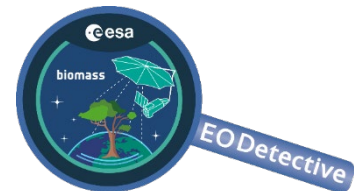


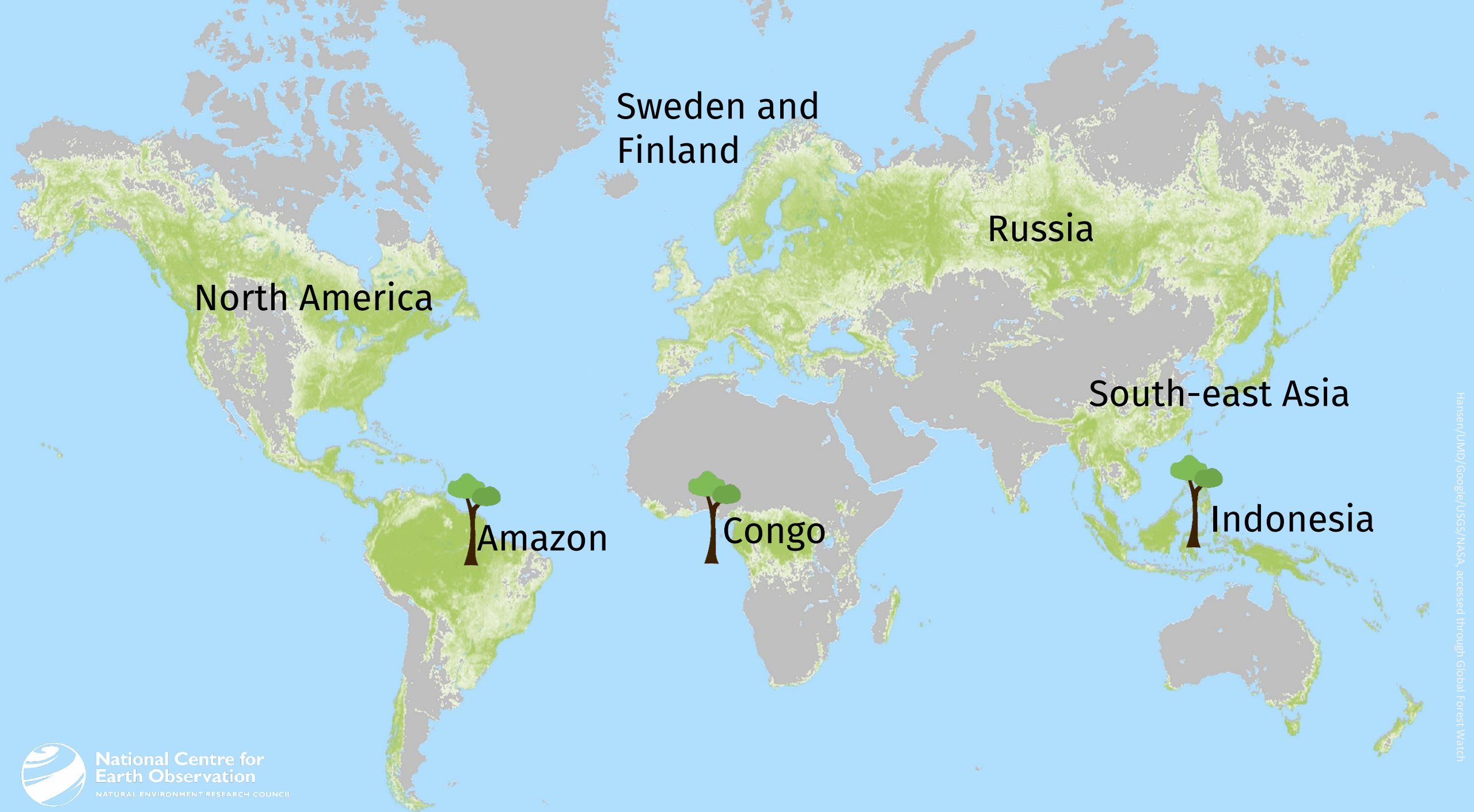


Sabrina Schmidt from Pixabay

Changing forests 3

Draw a tree next to
the names of
tropical rainforests.





Sweden and
Finland

Russia

North America

South-east Asia

Amazon

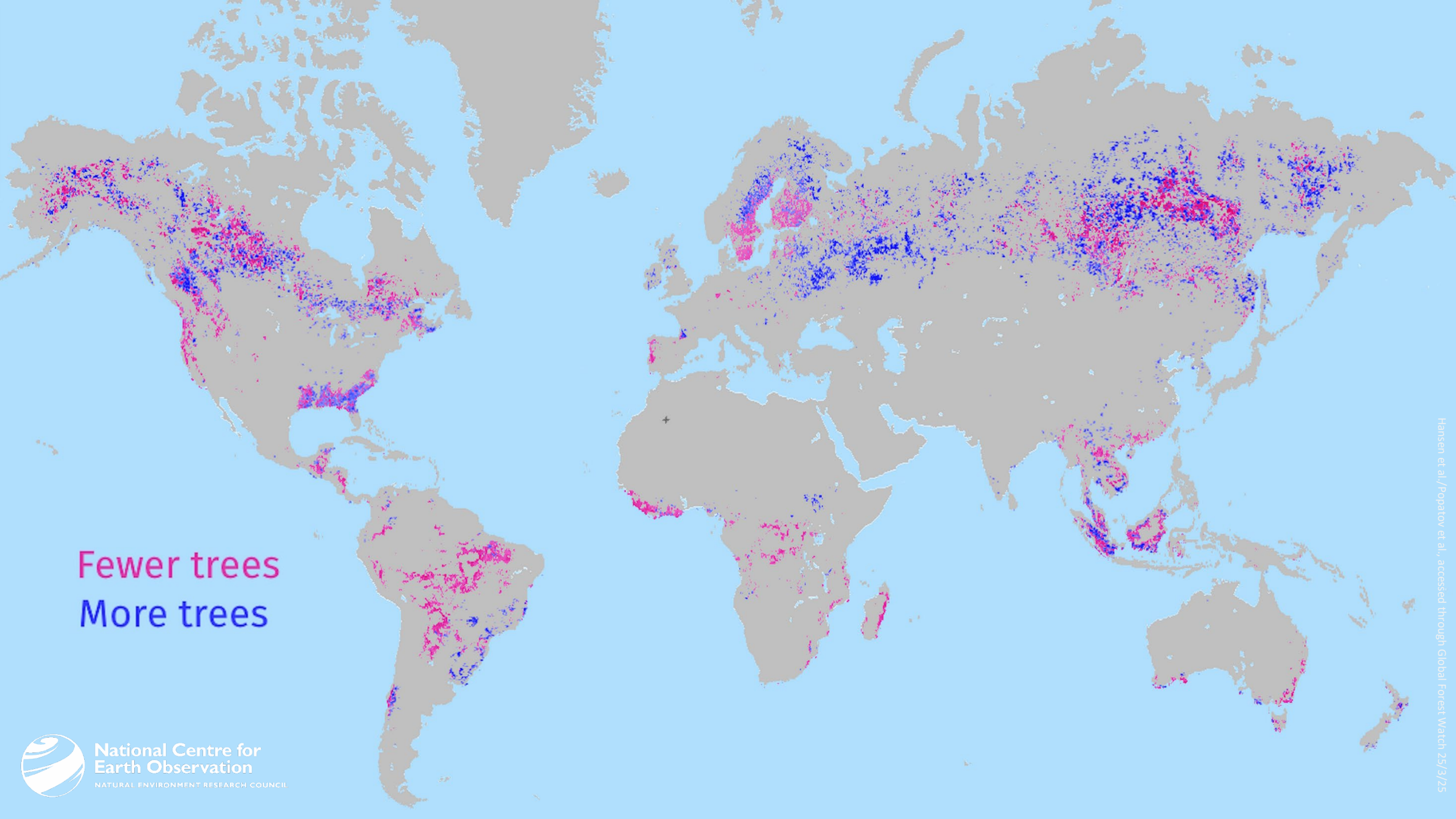
Congo

Indonesia



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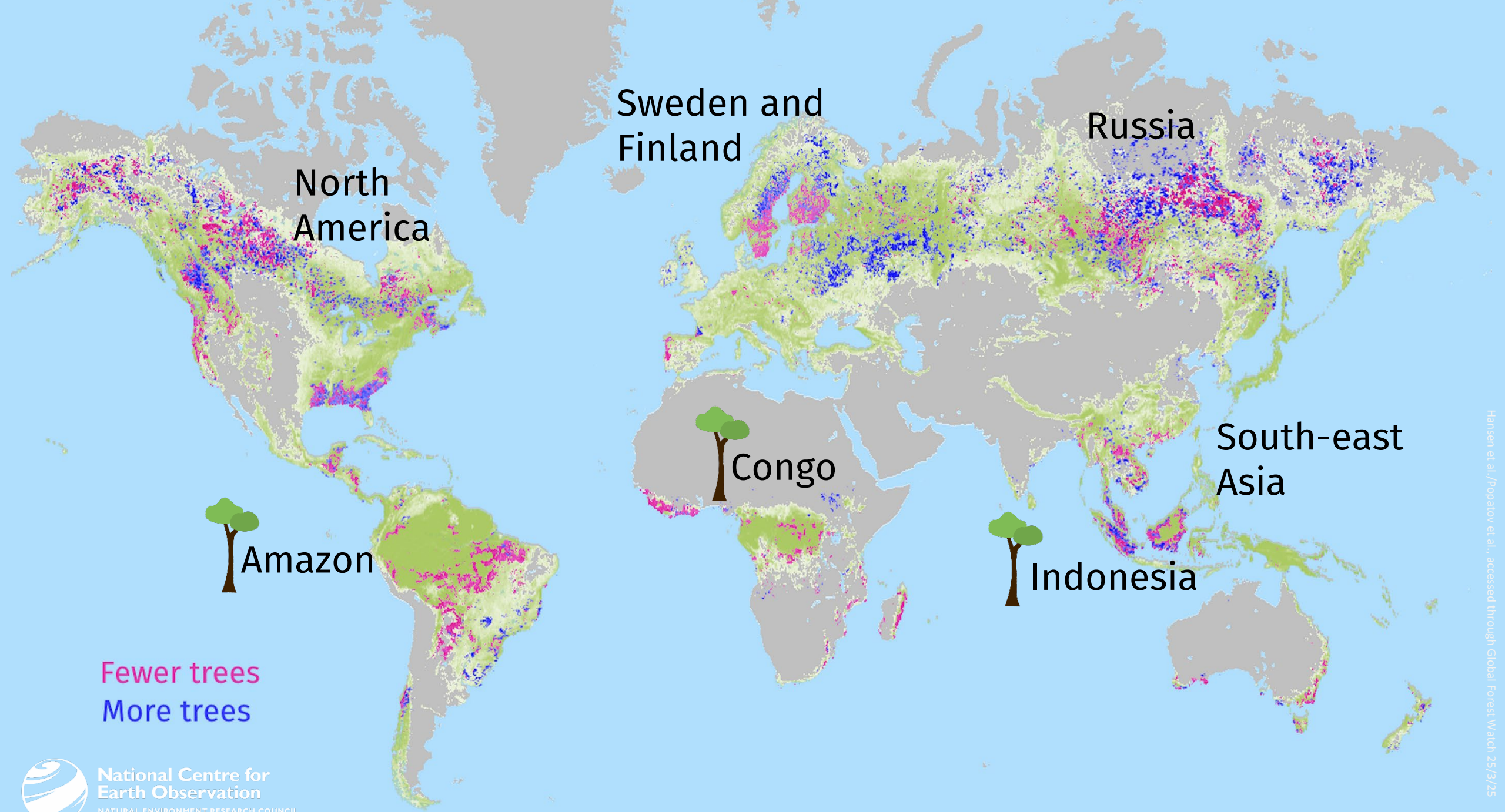


Fewer trees
More trees



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North America

Sweden and Finland

Russia

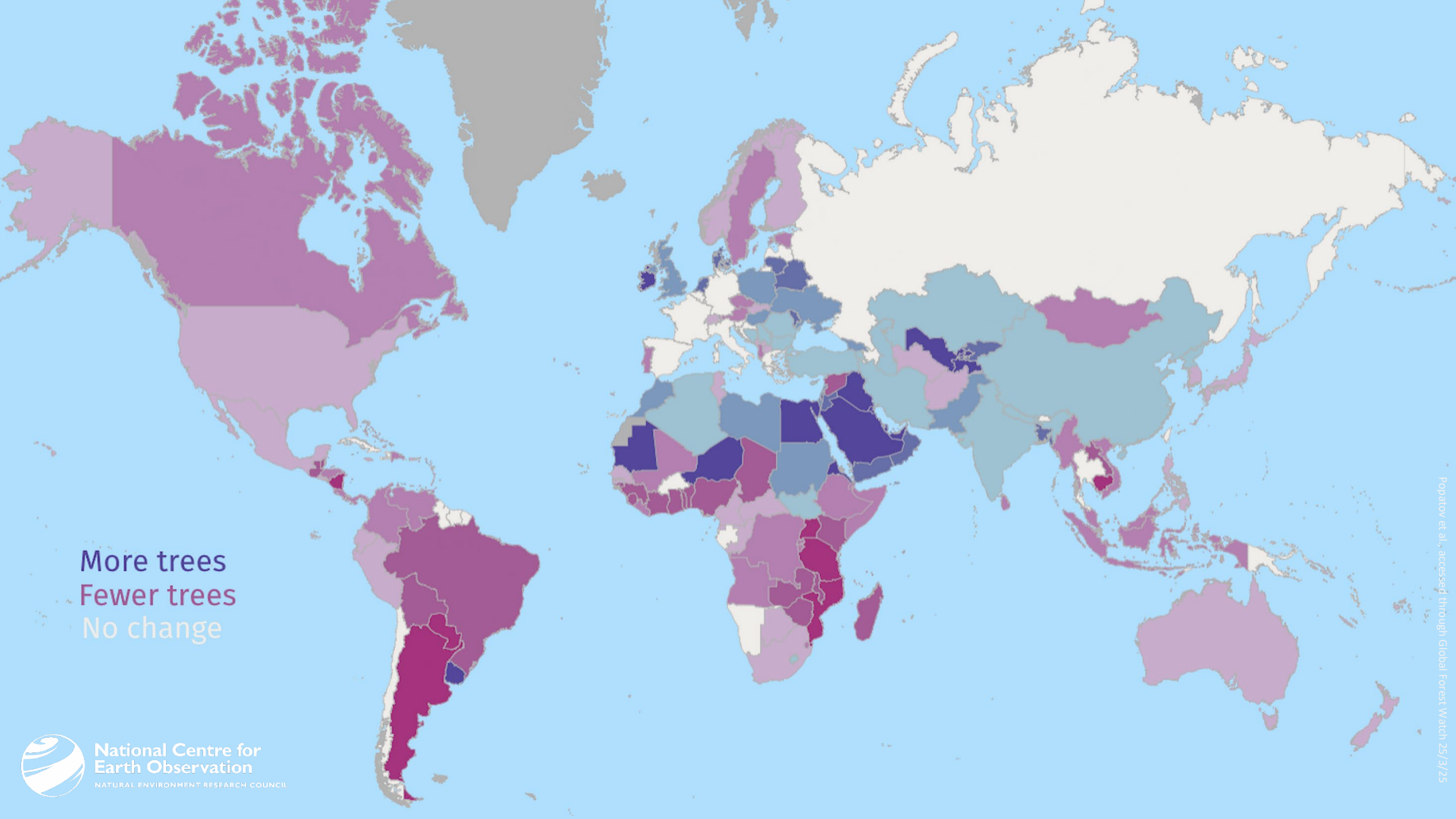
 Amazon

 Congo

 Indonesia

South-east Asia

Fewer trees
More trees



More trees
Fewer trees
No change



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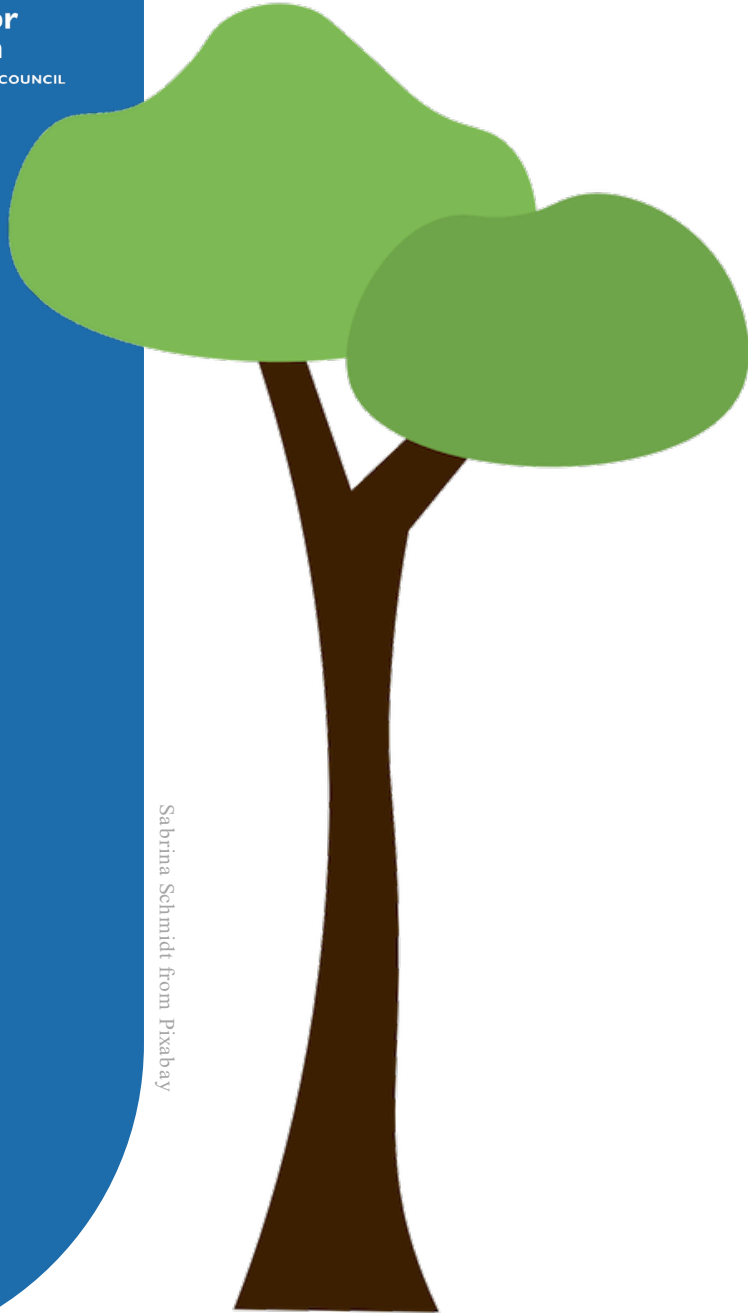
Changing forests 4

On your map of the world:

- a. Use one colour to show the main areas where there are fewer trees now than in 2000.
- b. Use another colour to show the main areas where there are more trees now than in 2000.

Remember to add these new colours to the right boxes in the key.





Sabrina Schmidt from Pixabay

Changing forests

5. Why do some places have **more** trees now than in 2000?
6. Why do some places have **fewer** trees now than in 2000?

More trees

People have planted trees:

- to replace trees cut down
- to make bigger forests
- to make homes for animals ...

Trees have grown:

- in burned areas
- in unfarmed fields
- on waste ground ...

Fewer trees

People have chopped down trees:

- for timber
- for fuel
- to build on (roads, houses ...)
- to plant crops instead ...

Trees have died when they have:

- blown over in storms
- been burned in wildfires
- become diseased
- been eaten by animals

Trees covered in water:

- due to sea-level rise
- when a river is dammed



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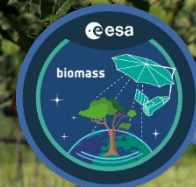
EO Detective

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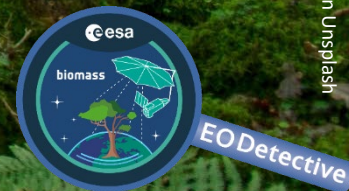


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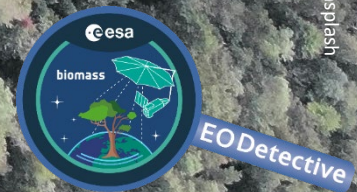


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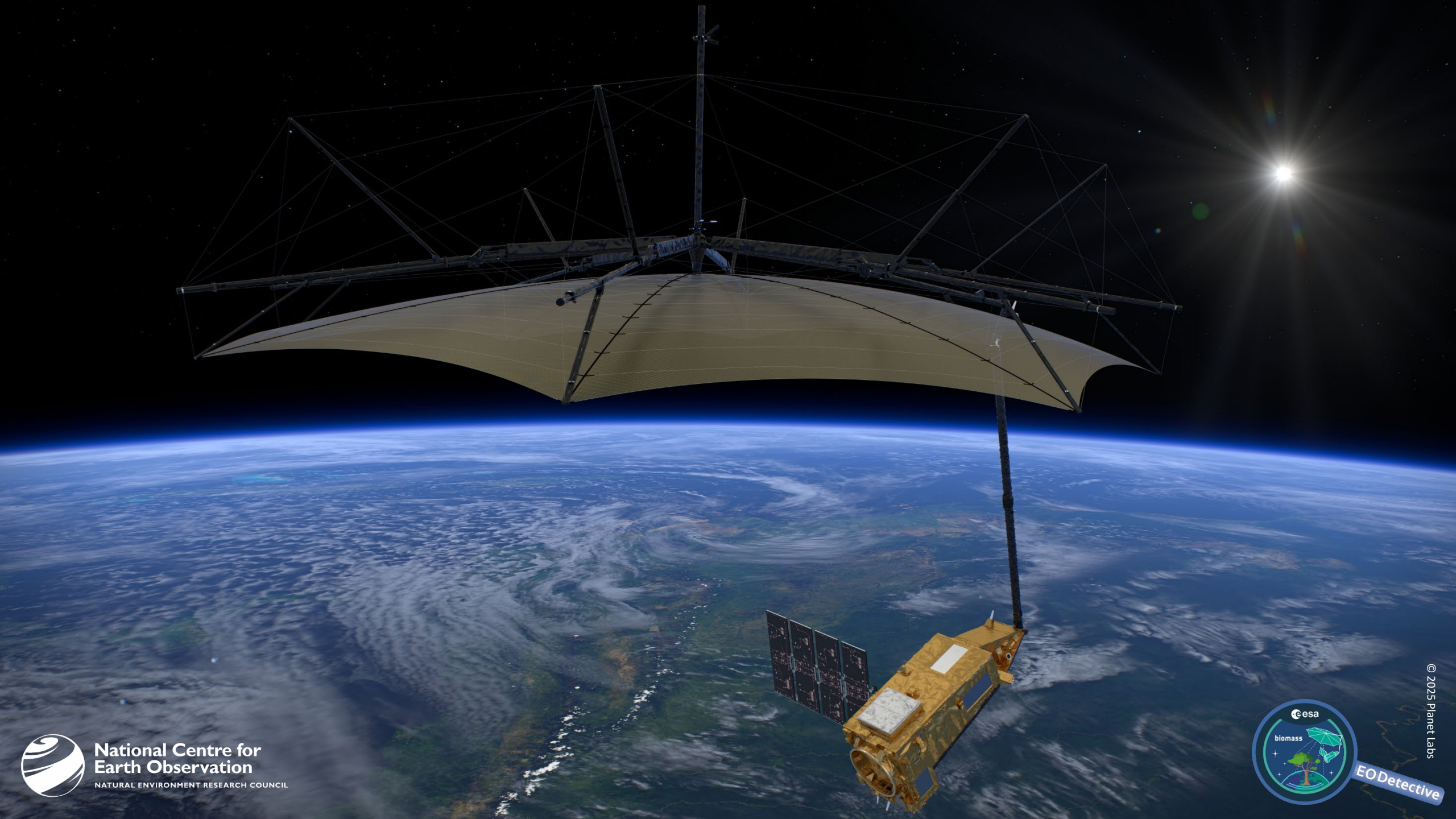


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