

Mangroves, blue carbon, and biodiversity in the Gulf of California

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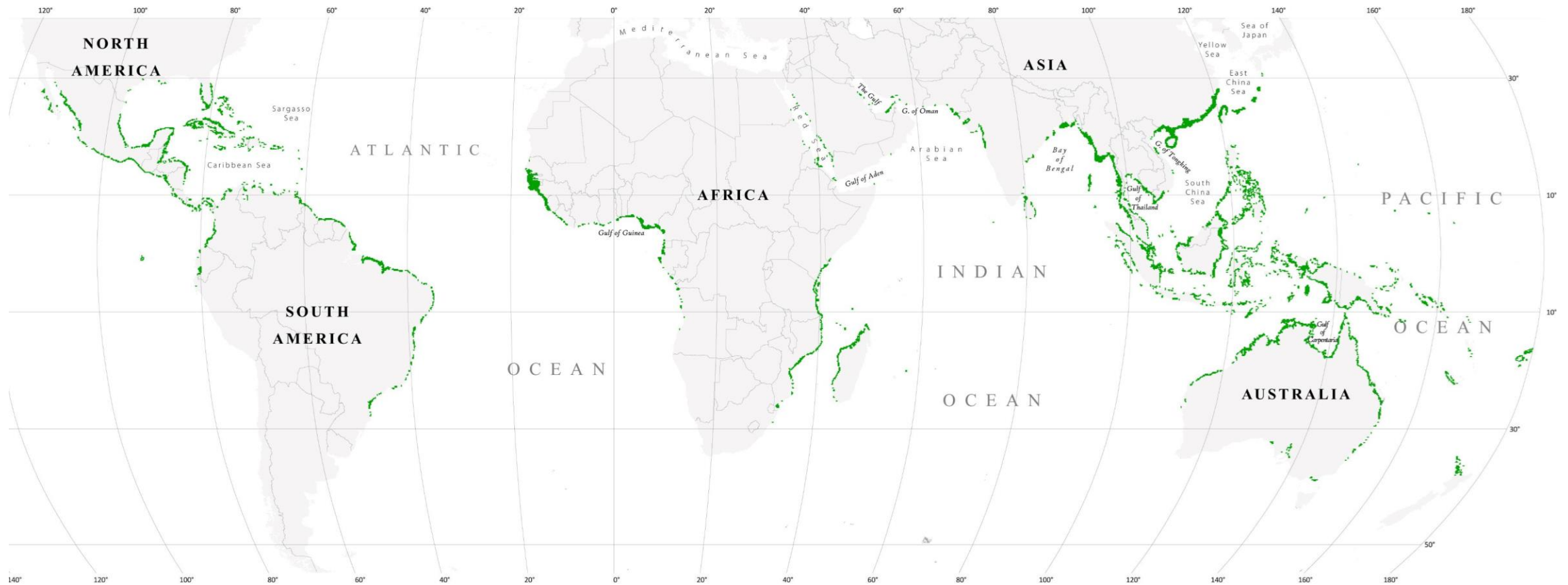
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What is a mangrove?



Where are mangroves found?



Why are mangroves important?

- Hubs of biodiversity
- Ecosystem services
- Blue carbon stores



Mangroves in Baja California



Baja's blue carbon



Mangroves as nurseries





NATURAL NUMBERS
THE VALUE OF THE PLANET IN MINUTES

What are the greatest threats to mangroves?

#1 Deforestation
from main factors

AQUACULTURE

(e.g. shrimp farms)



TOURISM

(e.g. cruise ports,
mega-developments)

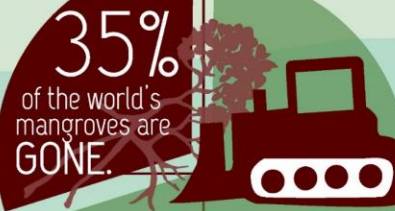


AGRICULTURE

(e.g. palm oil plantations)



URBAN SPRAWL



www.TheNaturalNumbers.org

What implications do these threats have?



What implications do these threats have?



What can we expect of mangrove conservation in the future?



References

- Global mangrove distribution image: Landsat (<https://landsat.gsfc.nasa.gov>)
- All photos (except for Tajamar content) taken by Octavio Aburto
- Tajamar protest photo: [Regeneración "Luto nacional por los Manglares de Tajamar"](#)
- Tajamar mangrove photo: Cuartoscuro (cuartoscuro.com.mx/2016/01/lasmejoresenero)
- Mangrove infographic designed by Jaclyn Mandoske
- Mangrove distribution numbers: Hamilton and Casey (2016), DOI: 10.1111/geb.12449
- Baja's blue carbon: Ezcurra *et al.* (2016) DOI: 10.1073/pnas.1519774113
- Mangroves as nurseries: Aburto-Oropeza *et al.* (2008) DOI: 10.1073/pnas.0804601105

