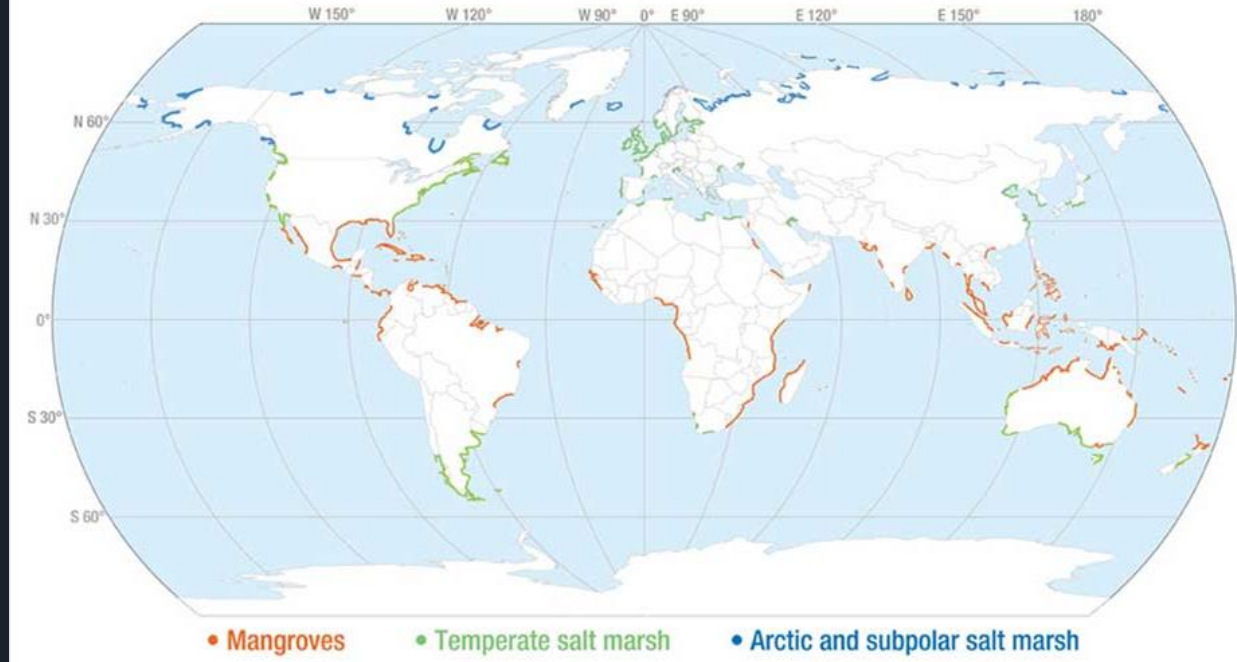


Coastal Wetlands



Importance

- Flora and fauna habitat
- Storm protection
- Natural water filtration
- Carbon Sinks
- Food Production



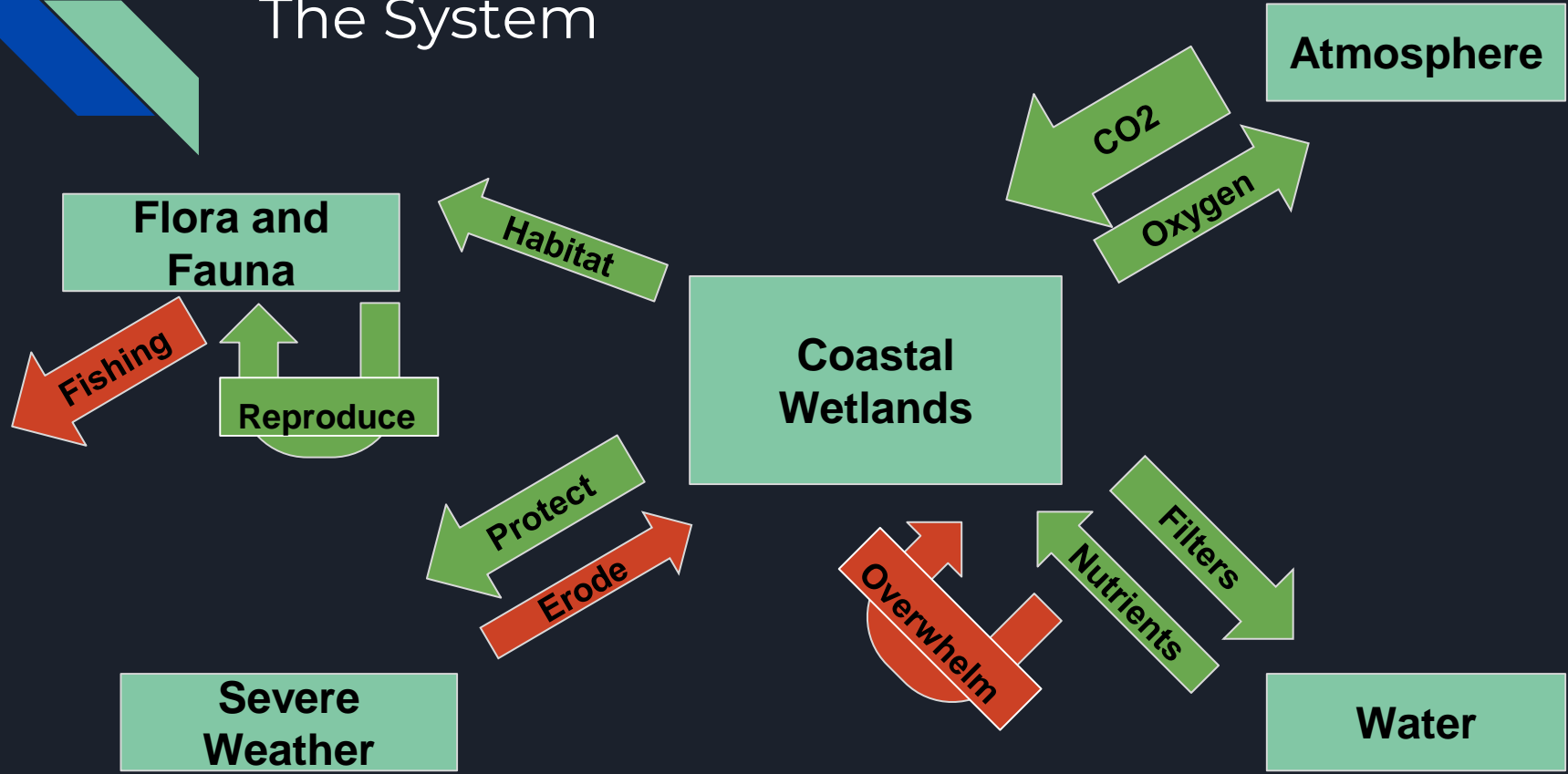
- 121 million acres globally. Only 18 million currently protected (<15%)
- With 75 million acres protected, 3.2 gigatons of CO₂ sequestered from atmosphere
- Protecting them ensures 15 gigatons of Carbon, equivalent to over 53 gigatons of CO₂ if released into the air.
- Storm protection valued at over \$23 Billion annually

Threats

- Development and Mining
- Change in water flow
- Sea level rise
- Overwhelming and creation of dead zones
- Destruction of land based wetlands

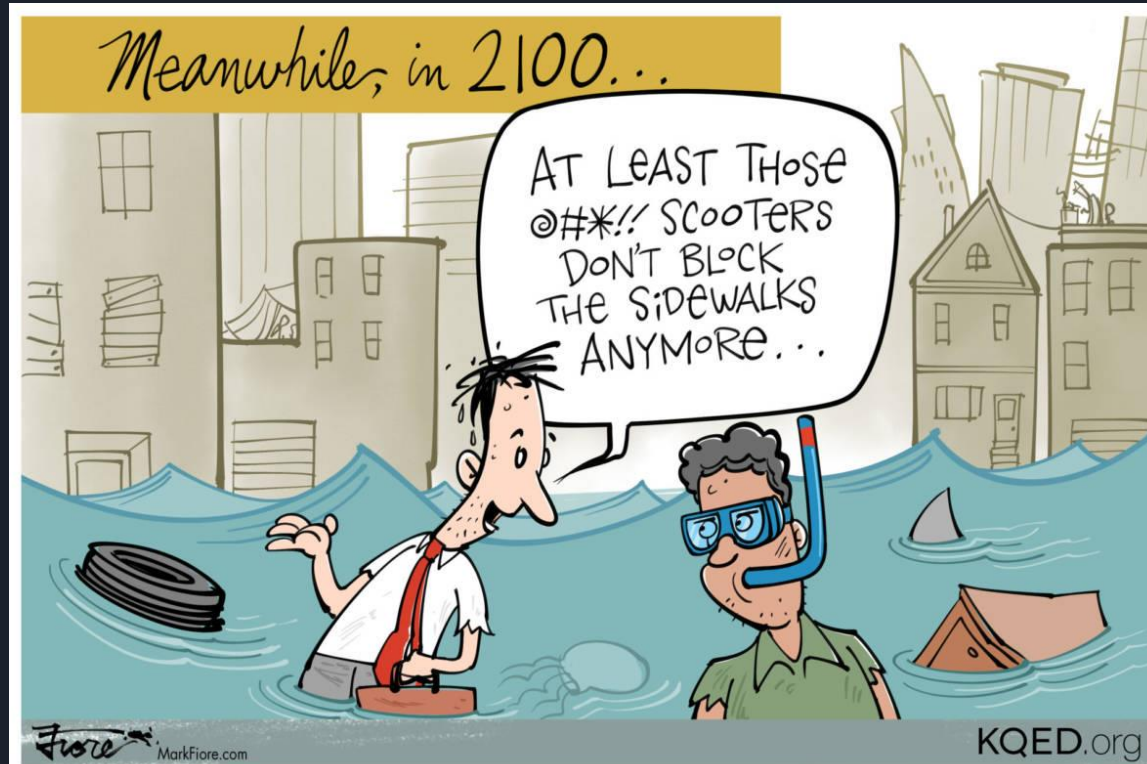


The System



Boundaries

- Climate Change
- Economic
- Social
- Global





Limitations, and what now

- Economics (Cost of conservation vs. Benefit of protection)
- Social constructs and practices
- Global approach

- Tool for education
- Garner support socially and politically
 - Assembly Bill 547



Works Cited

<https://www.drawdown.org/solutions/land-use/coastal-wetlands>

<https://www.fisheries.noaa.gov/coastal-wetlands-too-valuable-lose>

[https://www.researchgate.net/publication/320338472 Coastal Wetlands of Northern Chile](https://www.researchgate.net/publication/320338472_Coastal_Wetlands_of_Northern_Chile)

https://link.springer.com/chapter/10.1007/978-3-319-63877-5_3

https://link.springer.com/chapter/10.1007/978-3-319-63877-5_5

[http://www.unesco.org/new/fileadmin/MULTIMEDIA/HQ/SC/images/CoastalWetlands_Peru Chile_vs2.pdf](http://www.unesco.org/new/fileadmin/MULTIMEDIA/HQ/SC/images/CoastalWetlands_Peru_Chile_vs2.pdf)