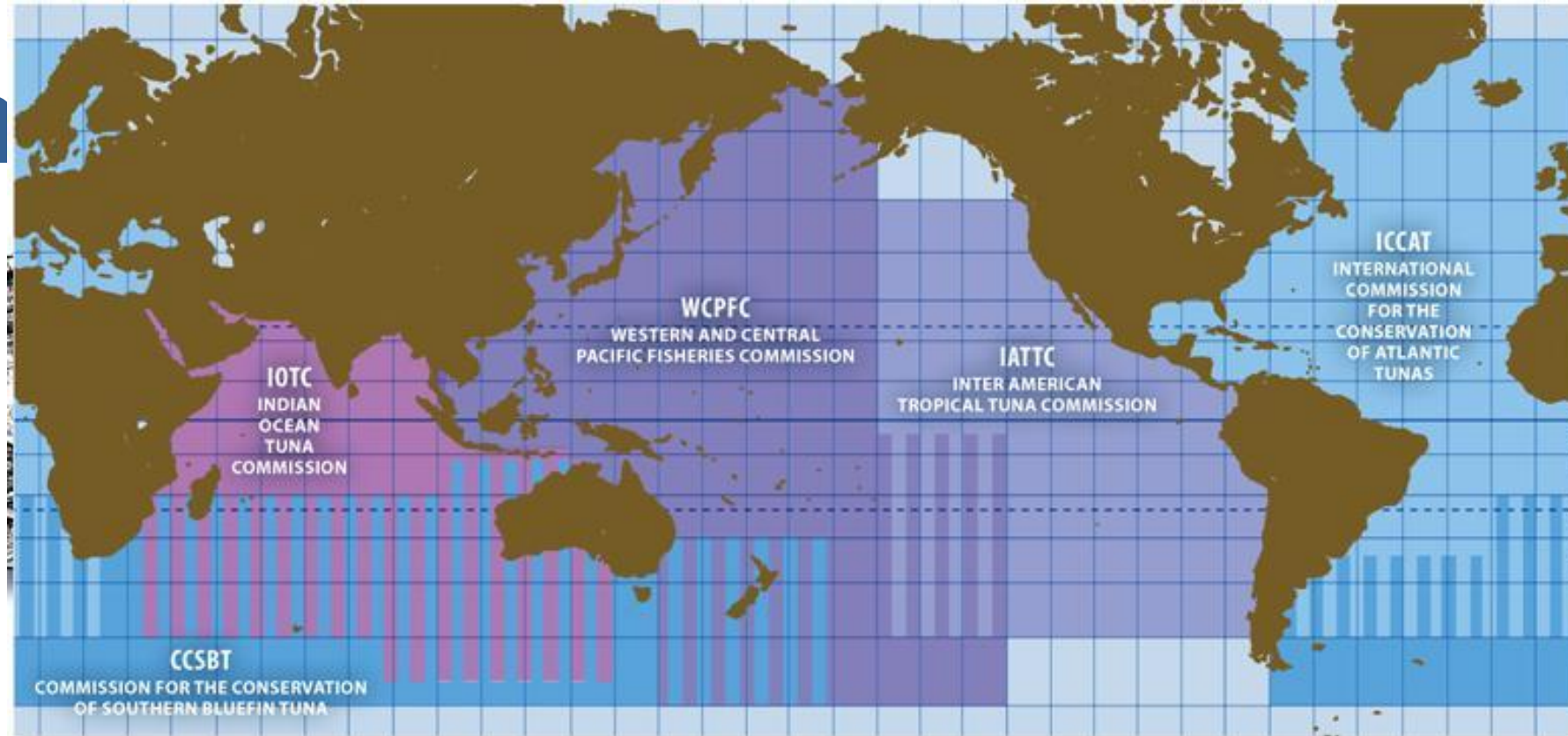




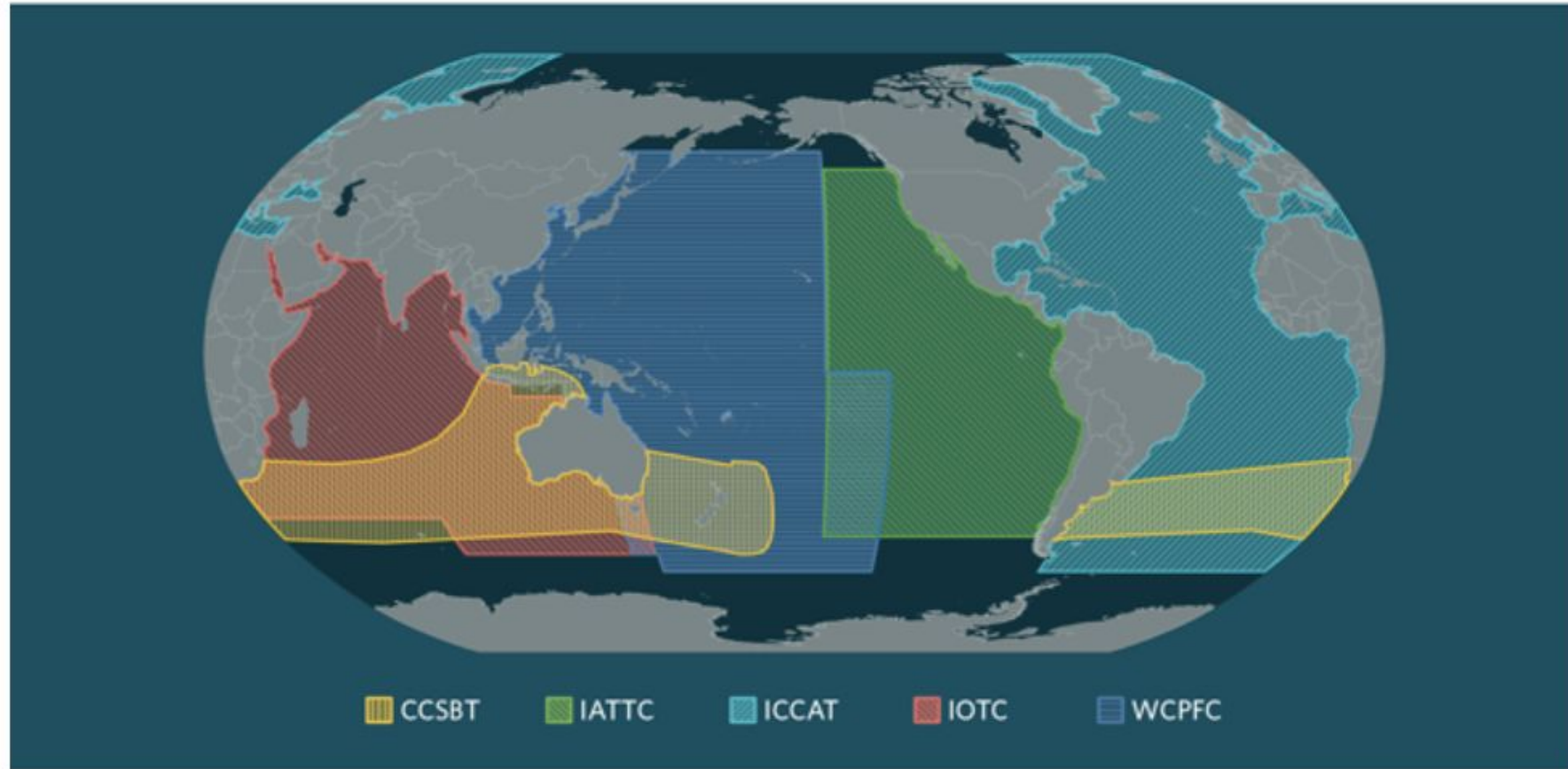
THE PEW CHARITABLE TRUSTS

Improving sustainable tuna management and biodiversity conservation through EO data

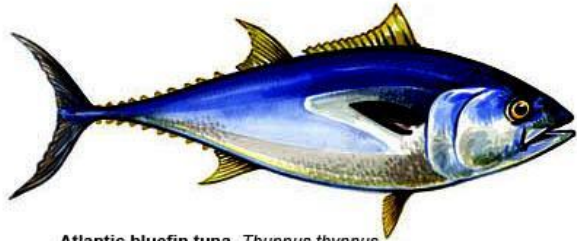
Management of global tuna fish



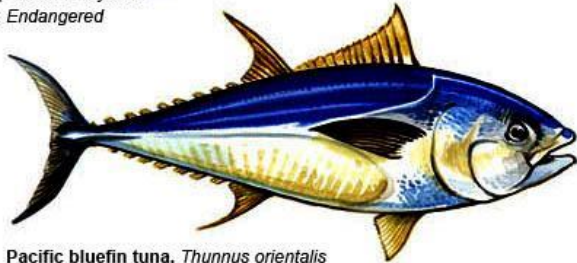
Management of global tuna fish



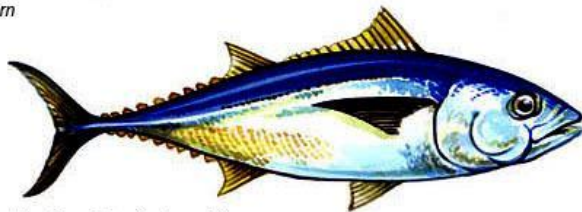
Sustainability of tuna



Atlantic bluefin tuna, *Thunnus thynnus*
IUCN Red List Status: *Endangered*



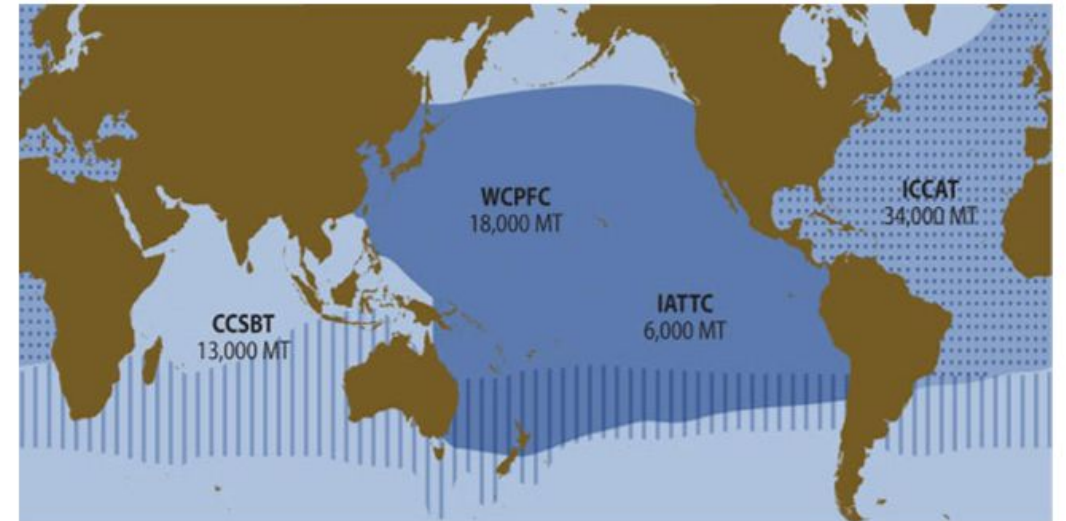
Pacific bluefin tuna, *Thunnus orientalis*
IUCN Red List Status: *Least Concern*



Southern bluefin tuna, *Thunnus maccoyii*
IUCN Red List Status: *Critically Endangered*



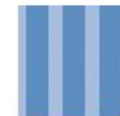
Where bluefin live and how much is caught in each RFMO by metric tonne.



Atlantic bluefin



Pacific bluefin



Southern bluefin

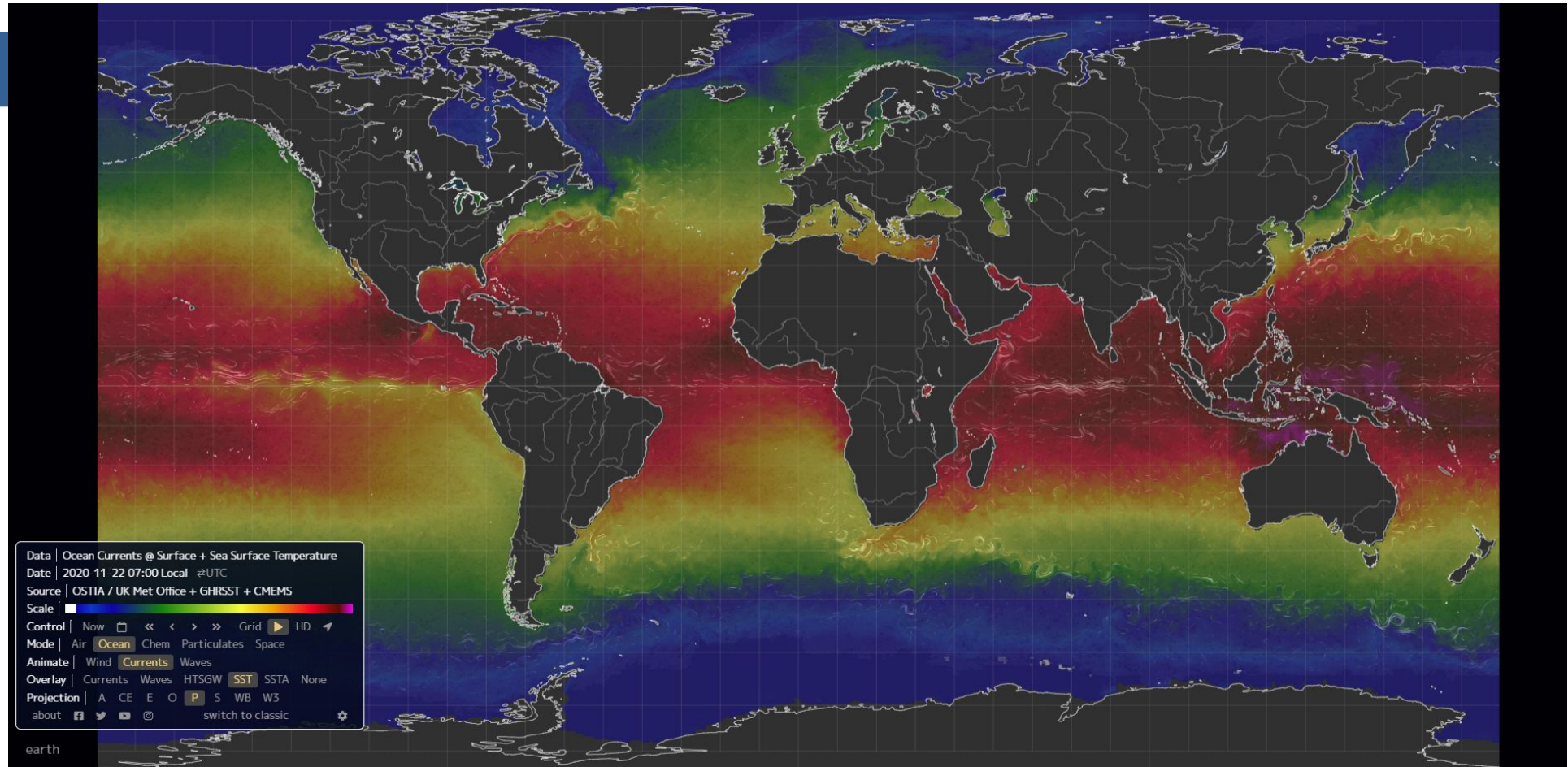
How can EO data help improve sustainable management of tuna?

- Map fishing grounds for specific species
 - Targeting species of interest, rather than indiscriminate catch
 - Less bycatch
- Identify fishing grounds for protected or endangered species
 - Provide enforcement officials with possible locations of illegal fishing
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Types of EO data to help manage

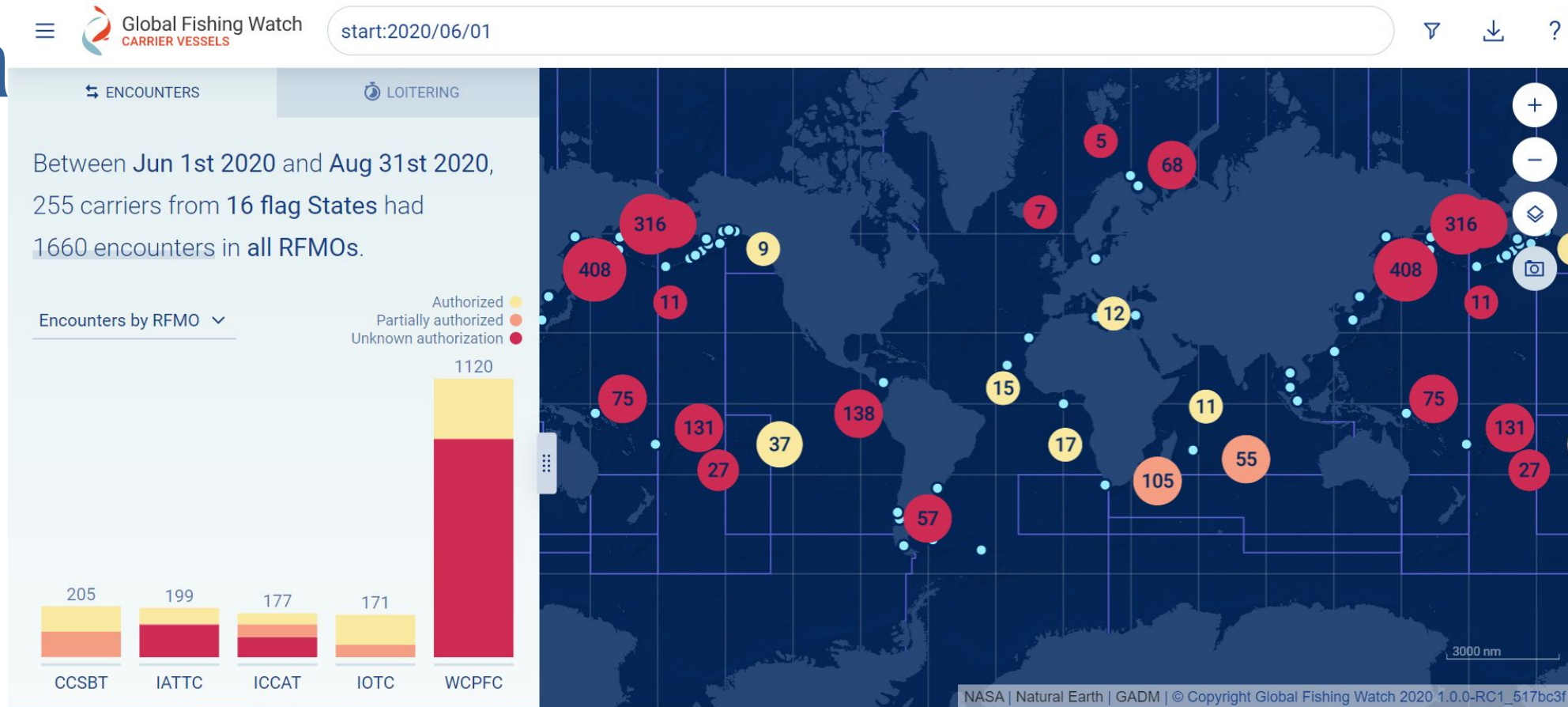
fish



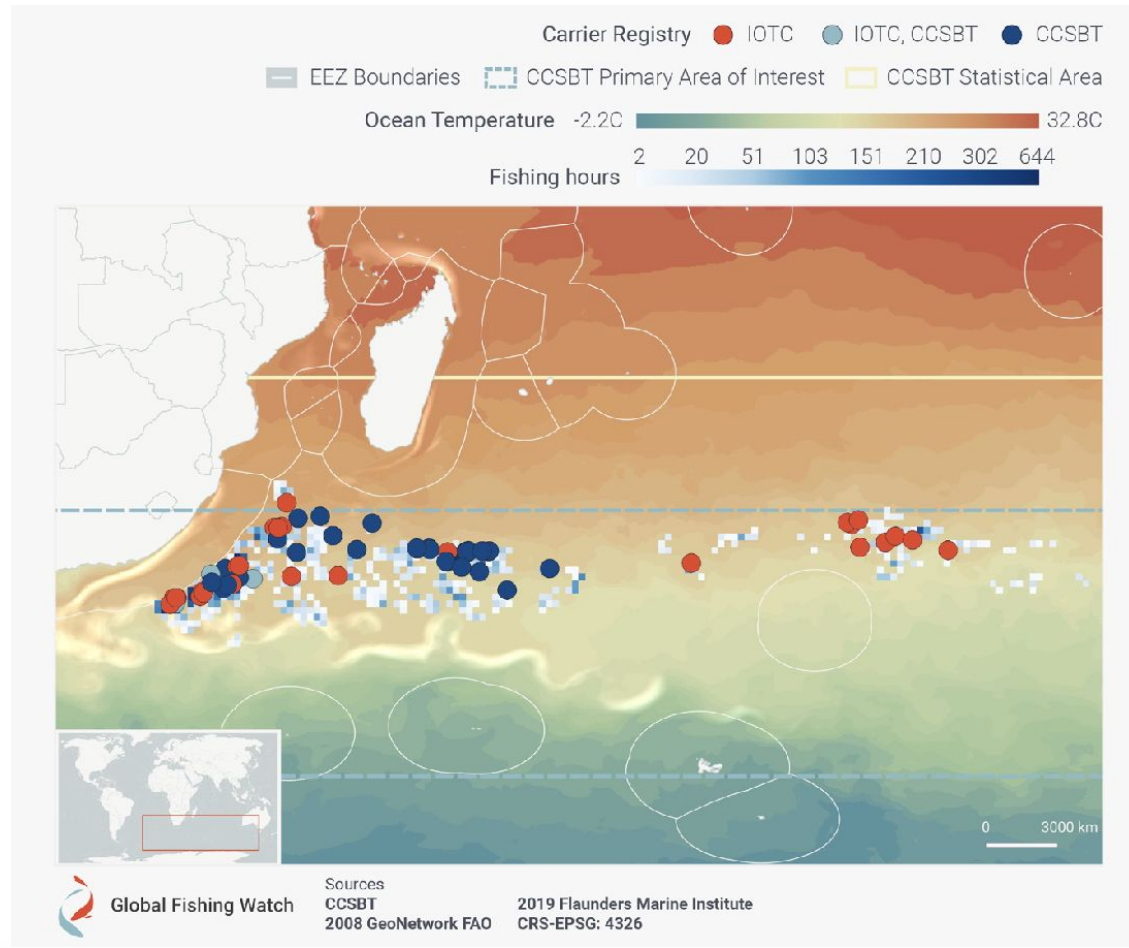
https://earth.nullschool.net/#current/ocean/surface/currents/overlay=sea_surface_temp/patterson=0.00,0.00,338

Other tools and data to use with EO

da



Managing Fisheries with EO data



- EO data to help map known distribution of Southern Bluefin Tuna, managed by CCSBT
- AIS data to map fishing effort
- Compare EO data against AIS to identify any potential unauthorized catch of Southern bluefin tuna

Questions?

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Fisheries
The Pew Charitable Trusts