Cloud computing of key NASA oceanographic data: Implications for automating aspects of ecosystem status reports

Marisol García-Reyes, Chelle Gentemann, Jeffrey Dorman & William Sydeman
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- Satellite data suitable for it
- Large amounts of data available, in coverage and temporal extent
- Allows for standardization across the PICES Regions
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- Programming expertise needed
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- Technology is developed to the point to which this could & should be doable & easy
A New Paradigm

PICES Regional Ecosystem Tool

NASA

PICES 2019 \ Victoria, Canada
How to access the PICES RET

• On your web browser
  • https://github.com/python4oceanography/PICES-tools

• Click on the button to load the ‘binder’ with the PICES RET
Click on:
PICES_Regional_Ecosystem_Tool

You could also download (clone) it from GitHub directly
demo

https://github.com/python4oceanography/PICES-tools
Comparison among regions

Sea Surface Temperature

West North Pacific SST anomalies

East North Pacific SST anomalies
Comparison of Data

- Meridional Surface Current
- Sea Surface Temperature
- Chlorophyll Concentration
From your web browser:
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