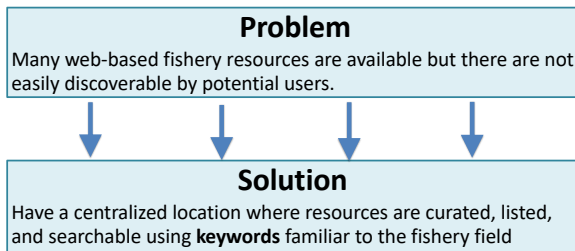


Fisheries Web Information Hub for the CEFI NOAA Initiative

<https://psl.noaa.gov/data/fisheries/>
<https://github.com/chiaweh2/CEFI-info-hub-list>



The Climate, Ecosystems, and Fisheries Initiative (CEFI) is a cross-NOAA effort to build the operational ocean modeling and decision support system needed to reduce impacts, increase resilience, and help marine resources and resource users adapt to changing ocean conditions.



Keyword	Sample Value
Analysis Type	Correlation
Dataset	CMIP6
Time Scale	Monthly
Time Range	Current
Observing Platforms	Buoys
Variables	SST
Topics	ENSO
Regions	Hawaii
Organizations	NOAA/AOML

- Potential Additions**
- Code 'Cook-books'. Demo of how to read different data formats for some webpages.
 - Annotations for how to use webpages
 - User feedback and suggestions for pages

Web Search Tool

The screenshot shows a search tool interface with various filters and a list of web sites. The filters include Text Filter, Type of Analysis, Dataset, Variable, Time Scale, Time Range, Product Type, Topics, Observing Platform, Regions, and Organizations. The web sites listed include ENSO Theme Page, ENSO Events Climate Model Comparison, ENSO Status, Research, and Interactive Webtools, ENSO Physical Sciences Laboratory, ENSO Dashboard, ENSO Forecasts, ERDDAP, Facility for Climate Assessments, GFDL Ocean Visualizations Collection, and Ocean Reanalysis Intercomparison Tools.

Git-Hub Awesome List

The screenshot shows a 'Mirroring list' of resources on GitHub. The resources listed include Alaska Climate Integrated Modeling (ACLIM data) Live Access Server (LAS), Alaska Ocean Observing System (AOOS) Data Portal, Animal Telemetry Network (ATN) Data Portal, Alaska Ocean Observing System (AOOS) Data Explorer, Arctic Heat Ocean Science Experiment, and Arctic Data Center.

Code

HTML runs JavaScript that reads in JSON file. JSON file contains all keywords and web-page descriptions. Web-page shows matches. **Git Hub 'Awesome list' web page** uses same JSON file to populate it. So they are synced.

JSON File Contents

Keywords: Sample

```

"ctime" : {
  "name" : "Time Scale",
  "0" : "Any",
  "1" : "Sub Daily",
  "2" : "Daily",
  "3" : "Pentad",
  "4" : "Weekly",
  "5" : "Monthly",
  "6" : "Seasonal",
  "7" : "Annual",
  "8" : "Decadal",
  "9" : "Century"
},

```

Web-page Attributes: Sample

```

{
  "url" : "https://www.bco-dpo.org",
  "title" : "Biological and Chemical Oceanography Data Portal: BCO-DMO",
  "desc" : "Serves data and related information online from research projects funded by the Biological and Chemical Oceanography Sections, and the Office of Polar Programs at the U.S. National Science Foundation.",
  "thumbnail" : "/data/gridded/images/BCODMO.png",
  "ctype" : [0],
  "over" : [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35],
  "ctime" : [1, 2, 3, 4, 5, 6, 7],
  "orange" : [1, 2, 3],
  "data" : [12],
  "product" : [0],
  "ctopics" : [],
  "platforms" : [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15],
  "regions" : [15],
  "orgs" : [24]
},

```

Adding a new entry in Git-Hub

The screenshot shows a form titled 'Issue: Contribute to the CEFI resource list'. The form includes fields for 'Add new CEFI resource', 'What is the best title for the data/resource?', 'What is URL that links to data/resource?', 'Contact Details', 'Tell us a bit about the data/resource!', and 'Provide a representative figure that relates to the data/resource!'. There are also checkboxes for 'I have read the instructions', 'I agree to the terms of use', and 'I agree to the license of the data/resource!'. A 'Submit' button is at the bottom.

- Use Git-Hub Forms**
- Form has required entries for point and click selection by non-technical webpage submitters
 - Reviewed by hub maintainers
 - Can add image

Adaptability

This method is easily adaptable to generating other web directories. A creator simply changes the keywords and values and creates a JSON file with the matching webpage attributes. We can share our JavaScript code.

Catherine Smith¹, Chia-Wei Hsu¹ and Michael Alexander, and Chris Kreutzer: Univ. of Colorado/CIRES¹ and NOAA/Physical Sciences Laboratory