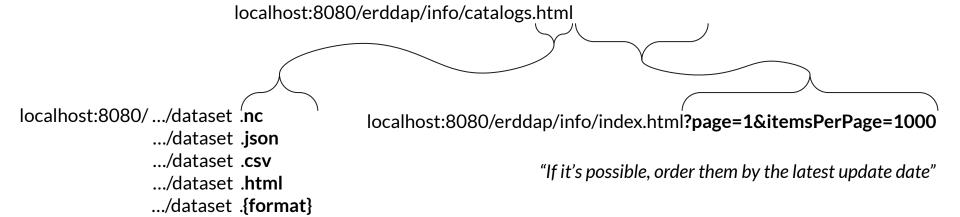
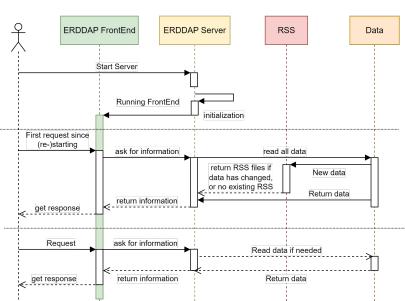
# Fair-EASE: Data Provider around ERDDAP

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#### **Last Time Resume:**

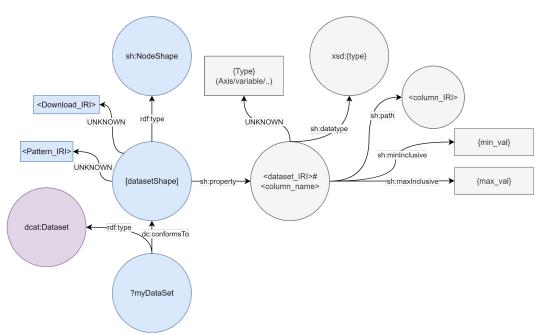


```
<?xml version="1.0" encoding="UTF-8"?>
<rss version="2.0" xmlns="http://backend.userland.com/rss2">
 <channel>
  <ti><title>ERDDAP: AVHRR Pathfinder Version 5.3 L3-Collated (L3C) SST, Global, 0.0417°,</ti>
1981-present, Daytime (1 Day Composite), Lon0360</title>
  <description>This RSS feed changes when the dataset changes.</description>
<pubDate>Tue, 01 Aug 2023 21:54:46 GMT</pubDate>
  <item>
   <title>This dataset changed 2023-08-01T21:54:46Z</title>
//coastwatch.pfeg.noaa.gov/erddap/griddap/nceiPH53sstd1day Lon0360.html//link>
   <description>Previously, this dataset was (temporarily?) not available. Perhaps ERDDAP
was just restarted.</description>
  </item>
 </channel>
</rss>
```



/erddapData/history.json

```
"datasets 87d0 e08a ce8e": [
   "date": "2023-07-27T07:52:09",
    "description": "A combinedGlobalAttribute changed:",
    "old": " old line #12=\" infoUrl=???\",",
    "new": " new line #12=\" infoUrl=https://vliz.be\"."
    "date": "2023-07-27T07:51:29",
   "description": "The number of variables changed:",
    "old": " old=1,",
    "new": " new=2."
    "date": "2023-07-27T06:59:26",
   "description": "Initial init datasets 87d0 e08a ce8e"
"datasets 87d0 e08a d98e": [
```





http://www.ldf.fi/service/rdf-grapher/first\_node

example:

http://www.ldf.fi/service/rdf-grapher/second node

TTL => PNG: https://www.ldf.fi/service/rdf-grapher Namespaces: example: http://example.org

http://localhost:8080/erddap/test.{format}~

.turtle .ttl .n3 .ntriples .nt .jsonld .jsonld10 .jsonld11 .rdfjson .trig .nquads .nq .rdfproto .rdfthrift .shaclc .CSV .tsv .rdfxml

#### Issue:

Subsetting **TableDAP** 

uri part	role
http://localhost:9001/erddap/	server base url
tabledap/SDC_GLO_CLIM_TS_V2_2.nc?	as {data type}/{dataset}.{format}?
	data type "tabledap" => Tabular Data raw dataset identifier (from) and export format (save-as)
temperature,salinity,oxygen	the list of columns (select)
&longitude>=110 &longitude<=150 &latitude>=-30 &latitude<=-10 &time>=2023-01-01T00:00:00Z &time<=2023-01-05T00:00:00Z	matching conditions (where) all AND
&distinct()	additional keywords
&orderBy("z,longitude")	additional keywords

http://localhost:9001/erddap/tabledap/SDC\_GLO\_CLIM\_TS\_V2\_2.nc?temperature,salinity,oxygen&longitude>=110&longitude<=150&latitude>= -30&latitude<=-10&time>=2023-01-01T00:00:00Z&time<=2023-01-05T00:00:00Z&distinct()&orderBy("z,longitude")

#### Issue:

#### Subsetting **GridDAP**

uri part	role
http://localhost:9001/erddap/	server base url
griddap/SDC_GLO_CLIM_TS_V2_2.nc?	as {data type}/{dataset}.{format}?  data type "griddap" => Gridded Data raw dataset identifier (from) and export format (save-as)
temperature [(2023-01-01T00:00:00Z):1:(2023-01-05T00:00:00Z)] [(110):1:(150)] [(-30):1:(-10)] [(-1):1:(1)],	as variable[axis_1][axis_2][]  for each axis : [     (starting real value),     step,     (stopping real value) ]
<pre>salinity [(2023-01-01T00:00:00Z):1:(2023-01-05T00:00:00Z)] [(110):1:(150)] [(-30):1:(-10)] [(-1):1:(1)],</pre>	
oxygen[][][]	

http://localhost:9001/erddap/griddap/SDC\_GLO\_CLIM\_TS\_V2\_2.nc?temperature[(2023-01-01T00:00:00Z):1:(2023-01-05T00:00:00Z)][(110):1:(150)] [(-30):1:(-10)][(-1):1:(1)],salinity[(2023-01-01T00:00:00Z):1:(2023-01-05T00:00:00Z)][(110):1:(150)][(-30):1:(-10)][(-30):1:(-10)][(-1):1:(1)],oxygen[(2023-01-01T00:00:00Z):1:(2023-01-05T00:00Z)][(110):1:(150)][(-30):1:(-10)][(-1):1:(1)]

#### Issue:

Insert the largest subsetting query with placeholder in the RDF Graph?

```
http://localhost:9001/erddap/griddap/SDC_GLO_CLIM_TS_V2_2.{format}?
{temperature}[({date.beg}):{date.str}:({date.end})][({latitude.beg}):{latitude.str}:({latitude.end})][({longitude.beg}):{longitude.str}:({longitude.end})][({z.beg}):{z.str}:({z.end})],
{salinity}[({date.beg}):{date.str}:({date.end})][({latitude.beg}):{latitude.str}:({latitude.end})][({longitude.beg}):{longitude.str}:({longitude.end})][({z.beg}):{z.str}:({z.end})],
{oxygen}[({date.beg}):{date.str}:({date.end})][({latitude.beg}):{latitude.str}:({latitude.end})][({longitude.beg}):{longitude.str}:({longitude.end})[({z.beg}):{z.str}:({z.end})]

http://localhost:9001/erddap/tabledap/SDC_GLO_CLIM_TS_V2_2.{format}}?temperature, salinity, oxygen&longitude>={longitude.min}&longitude<={longitude.max}&latitude>={latitud.max}&latitude>={latitud.max}&latitude>={longitude.max}&latitude>={salinity.max}&oxygen>={oxygen.min}&oxygen<={oxygen.max}.distinct().orderBy("temperature","oxygen")
```

Create a 3rd common ERDDAP Subsetting URL? (Based on the RFC6570: "Uri Template")

Other?

## Next Step?

- Improve RDF Graph
- + subsettings
- Global catalog build, ordered by the modification date
- Improve History
- Caching / Update the RDF-Graph on data update
- Get the maximum and minimum value for each GridDAP variable
- Get the RDF-Graph in the common "Data Access Form"
- (- Content Negotiation)
- (- FAIR-Sign posting)

# Thanks!

Let's talk