Imagine a user wanting to study hurricane events. This could involve searching and downloading multiple data variables from multiple datasets. The currently available services from the Goddard Earth Sciences Data and Information Services Center (GES DISC) only allow the user to select one dataset at a time. The GES DISC started a Datalist initiative, in order to enable users to easily select multiple data variables. A Datalist is a collection of predefined or user-defined data variables from one or more archived datasets. Target users of Datalists include science teams, individual science researchers, application users, and educational users. Datalists are more than just data.

Datalists effectively provide users with a sophisticated integrated data and services package, including metadata, citation, documentation, visualization, and data-specific services, all available from one-stop shopping.

Datalists are created based on the software architecture of the GES DISC Unified User Interface (UUI). The Datalist service is completely data-driven, and a Datalist is treated just as any other dataset. The predefined Data Lists, created by the experienced GES DISC science support team, should save a significant amount of time that users would otherwise have to spend.

Why the name?

It takes the name from music playlist.

<table>
<thead>
<tr>
<th>GES DISC Datalist</th>
<th>Spotify/iTune/…</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dataset</td>
<td>Album</td>
</tr>
<tr>
<td>Variable</td>
<td>Song</td>
</tr>
<tr>
<td>Recommended playlist</td>
<td>Pre-defined Datalist</td>
</tr>
<tr>
<td>My favorite playlist</td>
<td>User defined Datalist</td>
</tr>
</tbody>
</table>

Problem

- Natural phenomenon study requires
  - Multiple dataset
  - Multiple variables
- Newcomers to earth science don’t know where to start
- Current GES DISC available service
  - Only allow user to select variables from a single dataset at a time
  - Too many variables from a dataset are displayed, choice is hard

Future

- Datalist Curator’s tool: Spring 2017
- A-Train Datalist: Early Spring 2017
- User-defined datalist: Summer 2017
- Sharable datalist: Summer 2017
- Datalist for event: Fall 2017
- Smart datalist: TBD

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Brother Poster

Shie et al.
NH53A-1985
Now
12/16/2016
13:40-18:00
Moscone South
Poster Hall