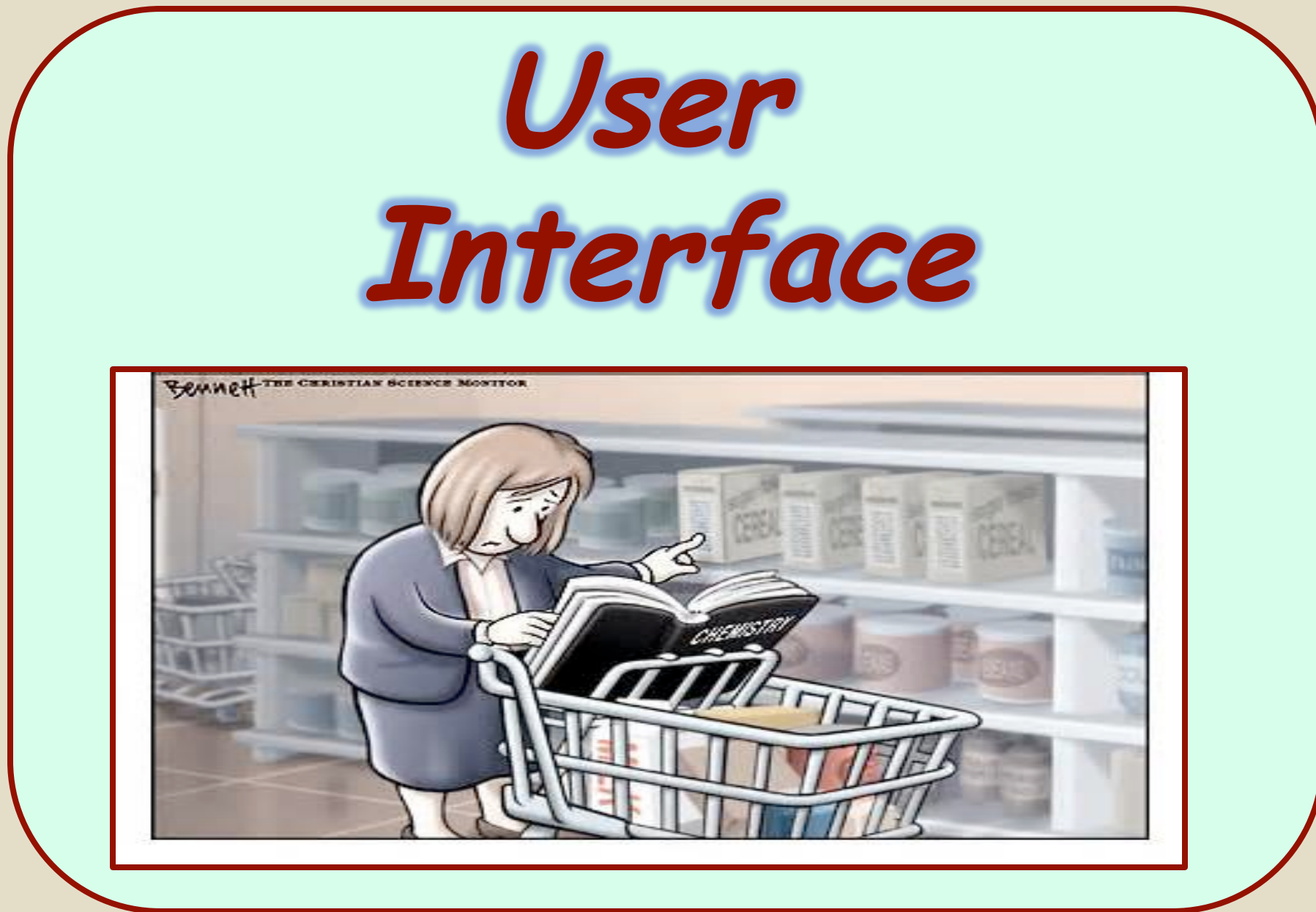


"Bundle Data" Approach at GES DISC Targeting Natural Hazards

Should "Bundle Data" incorporated with "Virtual Collection" be a Trend for Data Service?

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Objective: Giving us an event case, we will return you a group of datasets ("Bundle")!



- Input Name of Events**
- Hurricane**
Sandy (2012); Katrina (2005); etc.
 - Volcano**
Chaitén (2008); Pinatubo (1991); etc.
 - Flood**
Colorado (2013); Mississippi River (2011); etc.
 - Etc.**

- List of "Bundle Data Parameters"**
- Hurricane**
Precipitation;
Wind Speed;
SST;
Humidity;
Air Temp.;
Sfc Pressure;
Aerosol
 - Volcano**
Air Temp.;
SO2;
Aerosol/Dust;
Wind Speed;
Humidity;
Clouds
 - Flood**
Precipitation;
Soil Moisture;
Sfc Runoff;
Humidity;
Air Temp.

Table of Relevant Data Products ("clickable URL")

	Source	Product Name	Product Description	Resolution	Coverage	Processing Level, Data Type	Data Access
Hurricane	AIRS	AIRX2RET	Standard Physical Retrieval (Sea Level Pressure)	Twice per day, 50 km	2002.08 – global	Level 2, grid	Get Original File Get Subset Visualization
	MERRA-2	M2TINXSLV	2D IAU Diagnostic, Single Level Meteorology	Hourly, 2/3x1/2 deg	1980.01 – global	Level 4, grid	Get Original File Get Subset Visualization
Volcano	OMI	OMSO2G	Sulphur Dioxide (SO2) Total Column	Daily, 0.125 deg	2004.10 – global	Level 2, grid	Get Original File Get Subset Visualization
	NCEP/CPC	MERG	Global-Merged IR Bright Temperature	30-min, 4 km	2000.02 – 60°S-60°N	Level 3, grid	Get Original File Get Subset Visualization
Flood	NLDAS Model	NLDAS_NOAH0125_H v002	Soil Moisture Content	Hourly, 0.125 deg	1979.01 – North America	Level 4, grid	Get Original File Get Subset Visualization
	NLDAS Model	NLDAS_FORA0125_H v002	Precipitation Total	Hourly, 0.125 deg	1979.01 – North America	Level 4, grid	Get Original File Get Subset Visualization

Visualize Data Parameters (prior to data download)

Hurricane Katrina (2005) Surface Pressure (SP)

Surface pressure (PSurfStsurd, hPa) from AIRX2RET.006 Aug 28 2005, generated with Panoply.

Wind

Wind at 2 meter above displacement height (U2m and V2m, m/s) from MERRA-2 product M2TINXSLV.5.12.4 at 13:30Z Aug 28 2005, generated with Panoply.

Volcano Chaitén (2008) SO2

Sulphur Dioxide (SO2, in Dobson Units, DU) from OMI May 05 2008, generated with Giovanni.

Brightness Temp. (TB)

Brightness Temp. (°C in "false color") from Global-Merged IR May 05 2008, generated with Giovanni.

Flood Colorado (2013) Rain

Precipitation (kg/m**2) from NLDAS MODEL Sep 12 2013, generated with Giovanni.

Soil Moist.

Soil Moisture Content Layer/0-10cm (kg/m**2) from NLDAS MODEL Sep 12 2013, generated with Giovanni.

Quickly & Happily "Bundle Data" Checkout! (free of charge)