# HARMONIZING GLIDER DATA ACCESS WITH ERDDAP

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Vice-chair for Data and Information



TrajectoryProfile feature type

• no defined trajectory or profile ids



Trajectory feature type

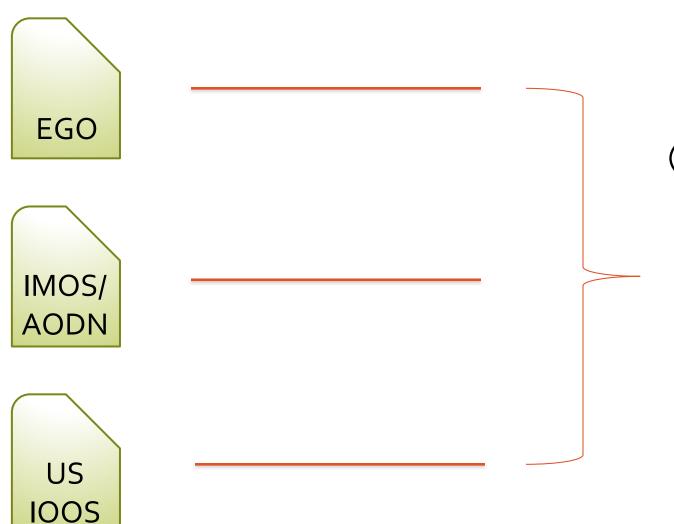
• no trajectory id

No trajectory variable



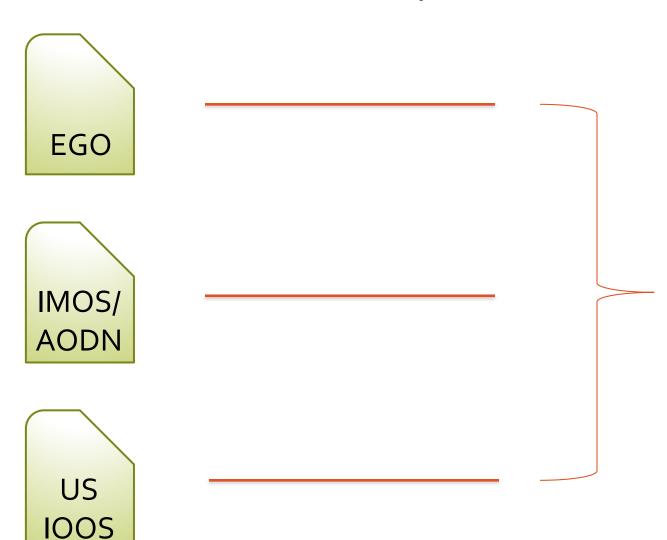
Profile feature type for individual files

 Use ERDDAP to provide access to "collection"





Three different formats potentially mean the user will have to develop two or three different means of converting data in order to use with their favorite client





Until the "blessed"
Ocean Glider data
format is implemented
by all, how to provide a
more uniform access
for users?

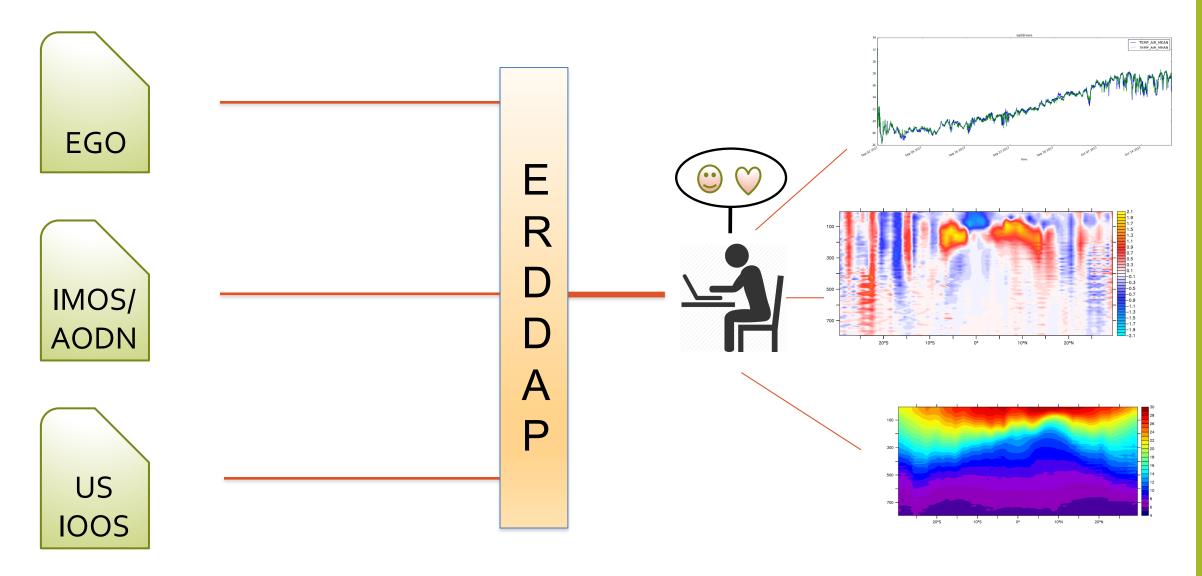


# Why ERDDAP

- ERDDAP is a data platform that brokers between data producers and data users
- ERDDAP is free/open source software that is widely used in the international community
- Benefits for providers
  - Provides data to users in many different formats
  - Supports Machine-to-Machine services
  - Can augment metadata without rewriting files
- Benefits for users
  - Users can access data with clients of their choice
  - Users won't need to reformat data
  - Supports machine-to-machine capabilities for building community specific access services
  - Can access "collections" of aggregations

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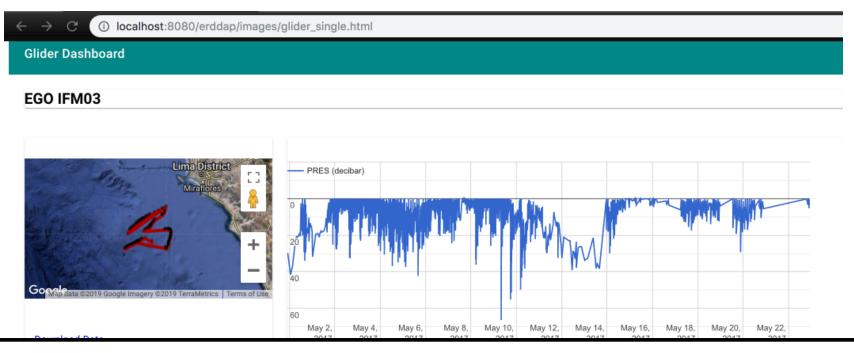


#### **ERDDAP > List of All Datasets**

12 matching datasets, listed in alphabetical order.

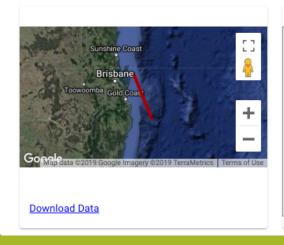
Grid DAP Data	Sub- set	Table DAP Data	Make A Graph	W M S	Source Data Files	Title	Sum- mary	FGDC, ISO, Metadata	Back- ground Info	RSS	E mail	Institution	Dataset ID
	set	data	graph			* The List of All Active Datasets in this ERDDAP *	0	M	background			UW	allDatasets
	set	data	graph		files	EGO IFM03 Glider	0	FIM	background 🗗	₹ RSS	$\bowtie$	CORIOLIS	EGO_ifm03
	set	data	graph		files	EGO IFM07 Glider	0	FIM	background 🗗	₹ RSS	$\bowtie$	CORIOLIS	EGO_ifm07
	set	data	graph		files	EGO IFM08 Glider	0	FIM	background 🗗	₹ RSS	$\bowtie$	CORIOLIS	EGO_ifm08
	set	data	graph		files	EGO IFM09 Glider	0	FIM	background 🗗	₹ RSS	$\bowtie$	CORIOLIS	EGO_ifm09
	set	data	graph		files	EGO IFM12 Glider	0	FIM	background 🗗	₹ RSS	$\bowtie$	CORIOLIS	EGO_ifm12
	set	data	graph		files	EGO IFM13 Glider	0	FIM	background 🗗	₹ RSS	$\bowtie$	CORIOLIS	EGO_ifm13
	set	data	graph		files	EGO IFM14 Glider	0	FIM	background 🗗	₹ RSS	$\bowtie$	CORIOLIS	EGO_ifm14
	set	data	graph		files	Seaglider 1kA glider data from the mission Brisbane20180306A	0	FIM	background 🗗	₹ RSS	$\bowtie$	ANFOG	IMOS_sg540
	set	data	graph		files	Seaglider 1kA glider data from the mission Brisbane20180320A	0	FIM	background 🗗	₹ RSS	$\bowtie$	ANFOG	IMOS_sg516
	set	data	graph		files	Seaglider UW glider data from the mission Brisbane20180306D	0	FIM	background 🗗	₹ RSS	$\bowtie$	ANFOG	IMOS_sg152
	set	data	graph		files	Seaglider UW glider data from the mission Brisbane20180320B	0	FIM	background 🗗	⋒ RSS	$\bowtie$	ANFOG	IMOS_sg154

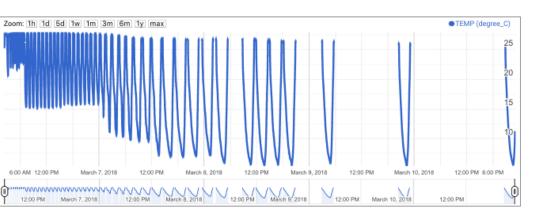
The information in the table above is also available in other file formats (.csv, .htmlTable, .itx, .json, .jsonlCSV, .jsonlKVP, .mat, .nc, .nccsv, .tsv, .xhtml) via a RESTful web service.



# http://localhost:8o8o/erddap/tabledap/IMOS\_sg54o.dataTable?time,TEMP

#### AODN ANFOG SG540







### JCOMM Observations Coordination Group



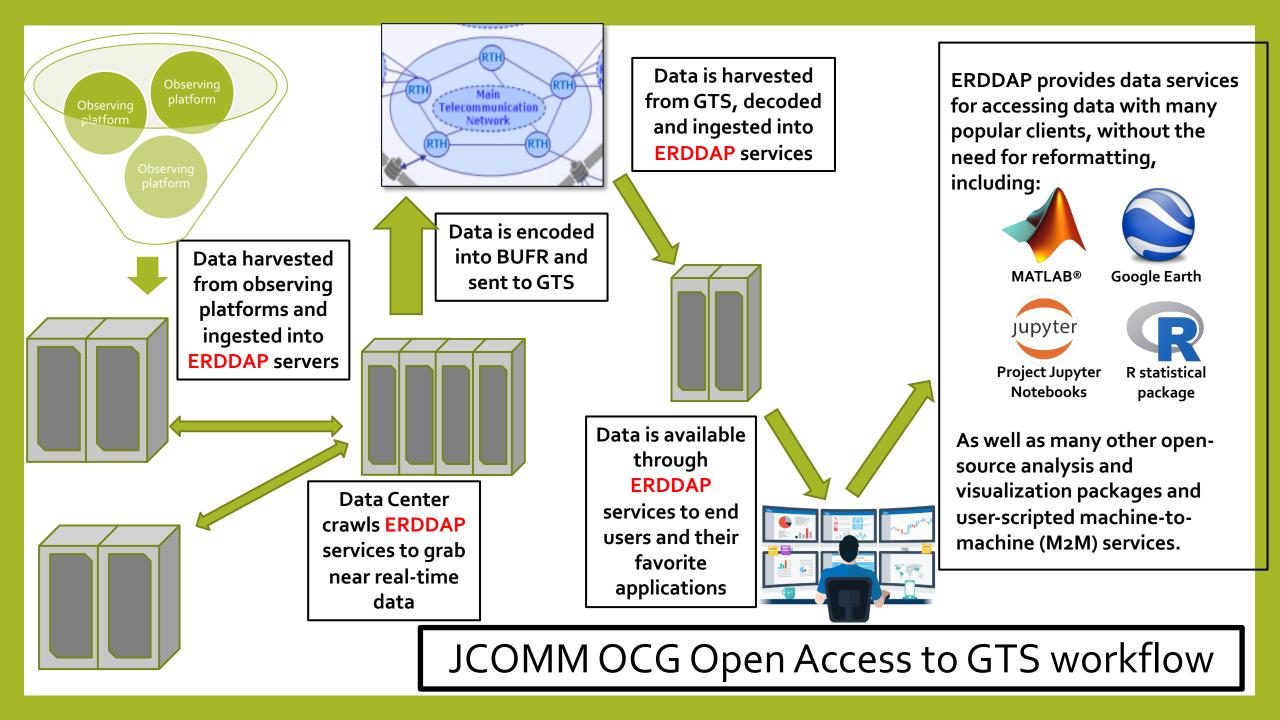


JCOMM OCG is working to improve data interoperability and integration between and within the various observing networks in support of GOOS ECV/EOV/EBV

# ERDDAP is the JCOMM OCG recommended data platform



ERDDAP can help harmonize glider data access currently, but will continue to provide benefits to users after implementation of single format



# HARMONIZING GLIDER DATA ACCESS WITH ERDDAP

Thank you!

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