Documentation Cluster Telecon- September 2013

September 18, 2013

Attendees: Ted Habermann, Ed Armstrong, Kelly Monteleone, Rich Signell, Jeff, Lindsay, (and at least 1 other unidentified person)

Rich Signell presented his work on ISO focus for CSW (website he displayed it not available for others)

* Looking at access services
* Recreate process from Matlab – used Open Search Geo – but wanted to use OSWLib
* Want automatic model data comparisons
* Key point is access of csw port – not using CF convension on many of these – means have to search for key variables
	+ Some csw services do not support start and stop times
* Questions to be answered - Can csw services be used to get specific data? If not why? – is this a good question? Is someone already doing this?
* In UK – have an ongoing project – Iris (<http://scitools.org.uk/iris/>)
	+ Building ocean/climate output – use CF data model – can read NetCDF4
	+ CF is not the same as common data model (it expands on the CF model)
	+ CF data model – expression of CF convensions
* Ted asked about analysis of data
	+ Pandas provides data frame that can be resampled in python (for analysis)
* Ted – can you get the units out
	+ Iris has unit converter – can then normalize the units
* Csw protocol gets a set of queriables
	+ Need to be able to translate query into YOUR service and provide brief and ful response
	+ Csw profile is map of core querables to underlying metadata
* Maybe Rich will present again next month with how this analysis proceeded

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