

Argo in Google Earth /Oceans



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Argo AST-13, Paris FRANCE: 2012.03.22

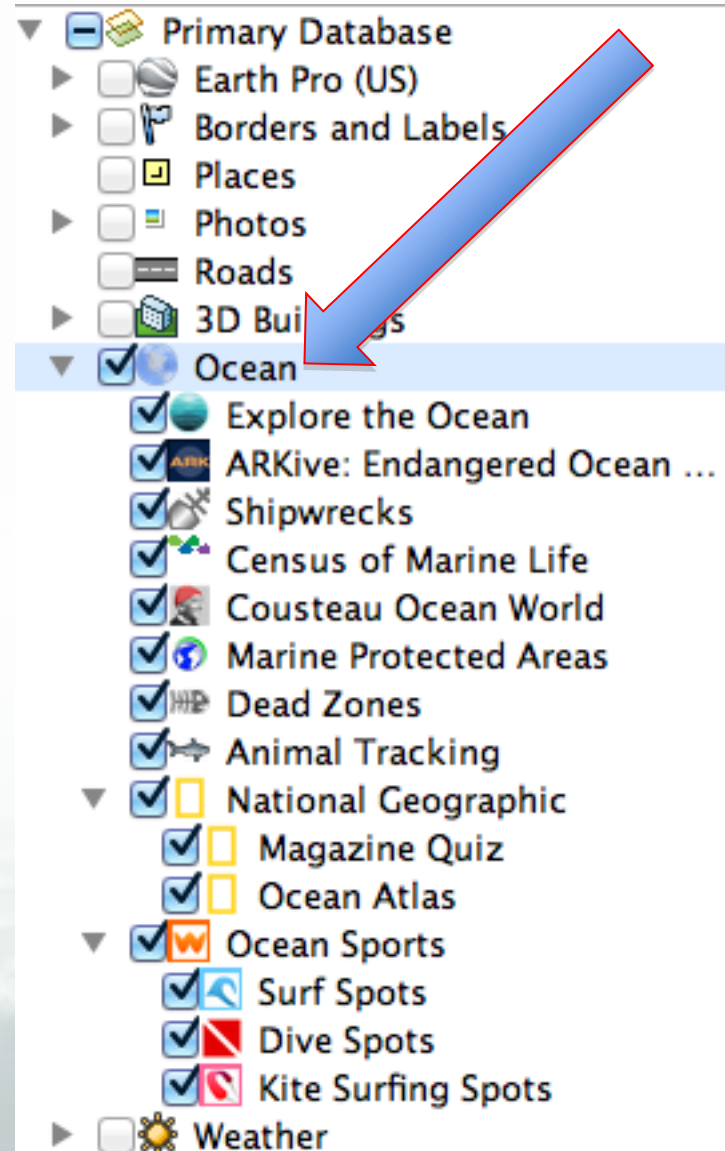
22	Coriolis to make a new historical reference database for DMQC purposes on a twice yearly basis. Explore why this has not occurred in the past.	S. Pouliquen	Better coordination needed between CCHDO and Coriolis. Coriolis made two ref DB in 2011 and new one will be coming out soon.
23	Ask J. Gilson to repeat his comparison of Argo profile reference database to updated historical reference database to see if it is improving in the Southern Ocean	J. Gilson	Will be done by May 2012
24	Provide CCHDO known upcoming CTD cruise track and dates to enter into the CruiseTracker database	PIs, CCHDO	Ongoing
25	AIC to invite float operators to also give information when notifying deployment plans on whether CTD and oxygen will be done on deployment cruises	ATC	Inviting since May 2011. Canada, JMA and Finland have responded so far
32	Finish the Google Earth Argo layer development and approach Google to include it in Earth layers	Diggs, ATC, Japan	

2009 GOAL: “Fully realized Argo Layer as part of GE 5.0”

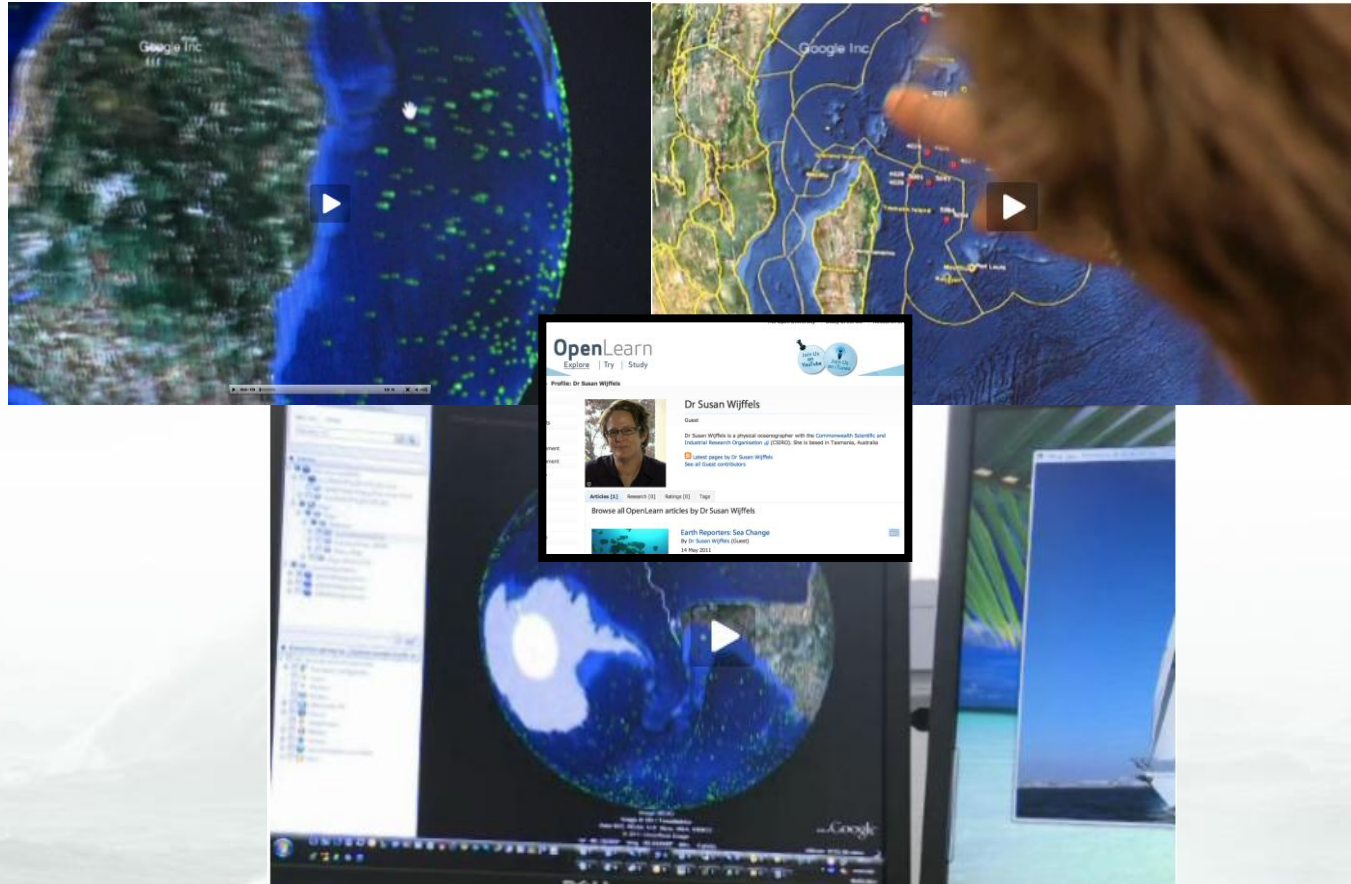
Maybe this isn't the best approach anymore



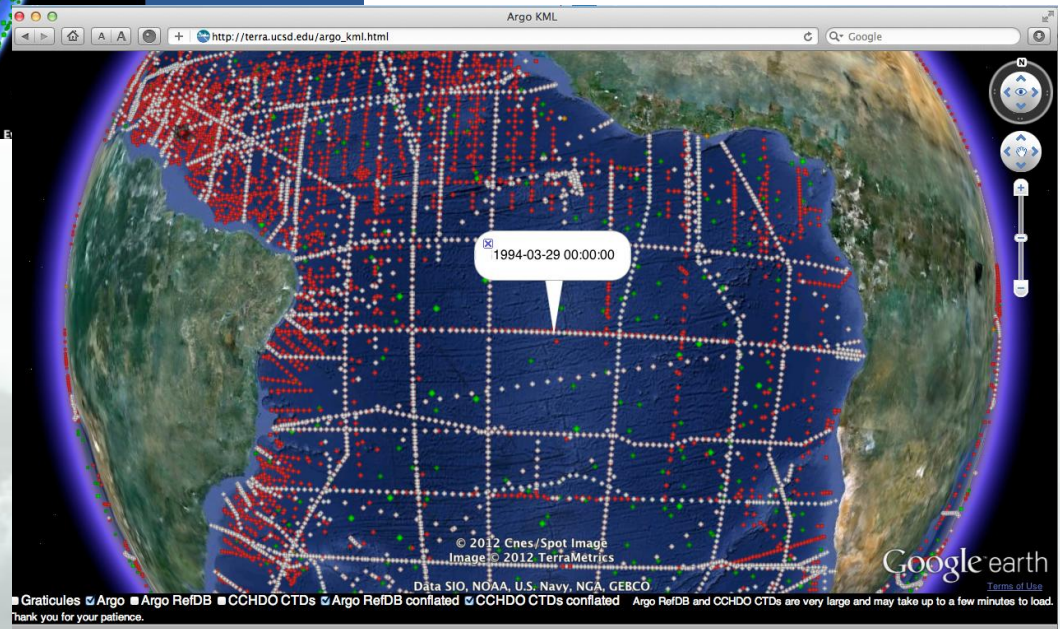
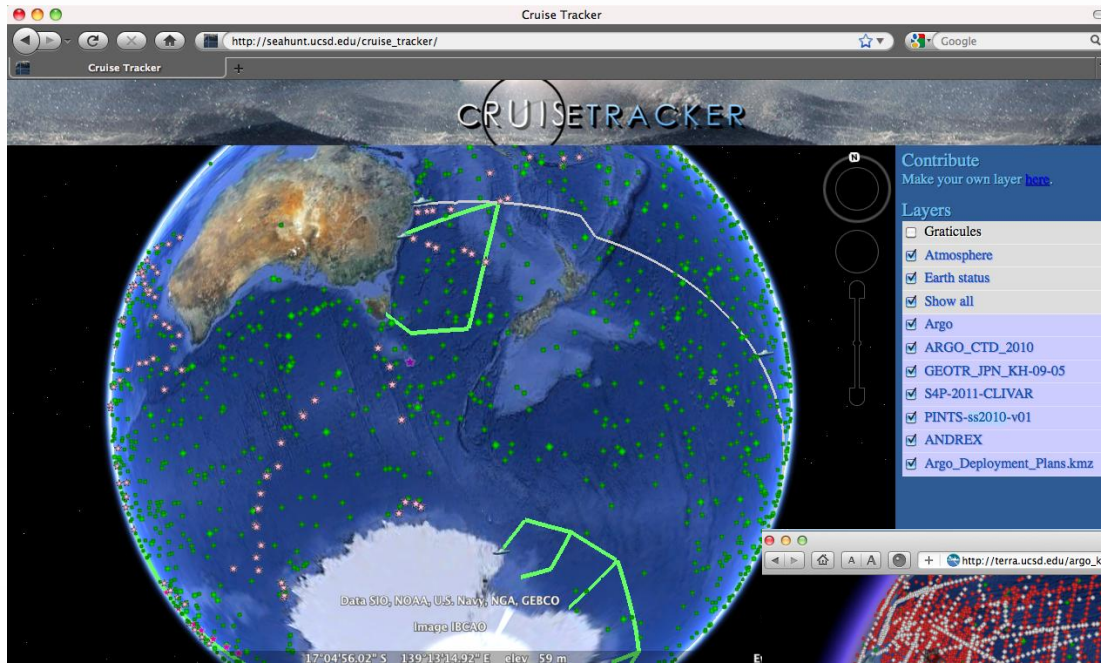
In the Oceans layer of 6.1 Google Earth, there are only 10 areas, and they haven't been changed or updated in a long time.



But, Argo in Google Earth shows up here and there



Web-Based Tools



Fully rendered Argo floats are available in Google Earth along with procedures to animate them



10^6 people to reach



Your Competition



Summary

- SIO, AIC and Coriolis staff have extensive experience with GE
- There are NO technical barriers
- 3 questions:
 1. Maybe appeal to people outside of your “tribe”?
 2. Who does the work and future maintenance?
 3. \$\$: is this a zero labor-cost activity?
- Need a new mission, metrics and goals
- Commitment & Determination to see it through

Next Steps...

1. **Definition**: what is wanted/needed in terms of Google Earth related resources for AST/ADMT members (and others) for both operational and outreach efforts.
2. **Consolidation of work completed**: Move all Google Earth developments by various groups to a single, easy to find location, possible web-based with simple toggles for layers. For ideas, take a look here: <http://www.noc.soton.ac.uk/o4s/euroargo/> (Courtesy: John Gould)
3. **Consolidation of ad hoc development team members**: Individuals who are working with ocean profile data (Argo and possibly others) should pool their efforts and experiences to shorten time to solution for various technical challenges.
4. **Optimization**: remaining and future technical issues should be formally relayed to Google engineers to assist the Argo GE team