Accessing Remote Sensing Data using Live Access Server

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Live Access Server

- The Live Access Server (LAS) is a highly configurable web server designed to provide flexible access to georeferenced scientific data. It can present distributed data sets as a unified virtual data base through the use of DODS networking.
- Ferret is the default visualization application used by LAS, though other applications (Matlab, IDL, GrADS, ...) can also be used.
- Limitation: It is capable of only accessing data in NetCDF format.

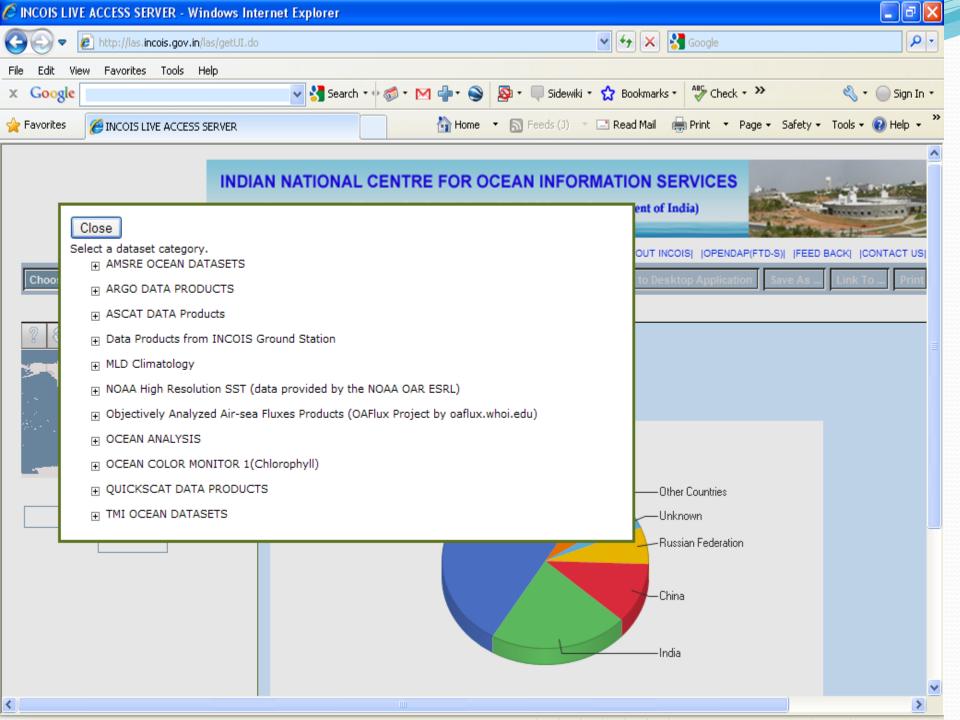
LAS enables the web user to:

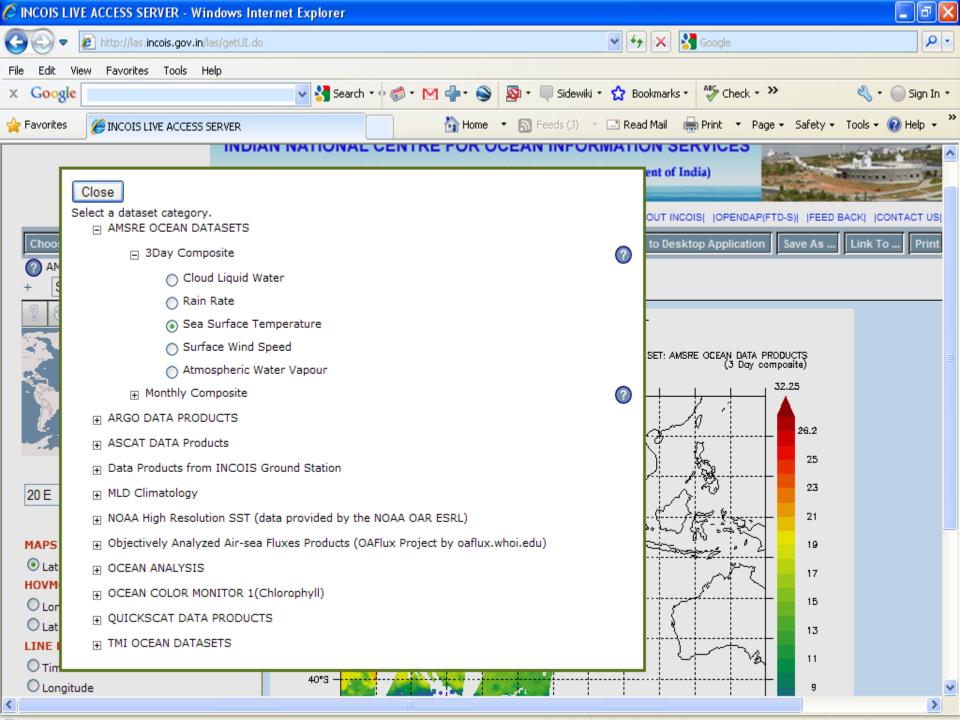
- visualize data with on-the-fly graphics.
- request custom subsets of variables in a choice of file formats.
- access background reference material about the data (metadata).
- compare (difference) variables from distributed locations.

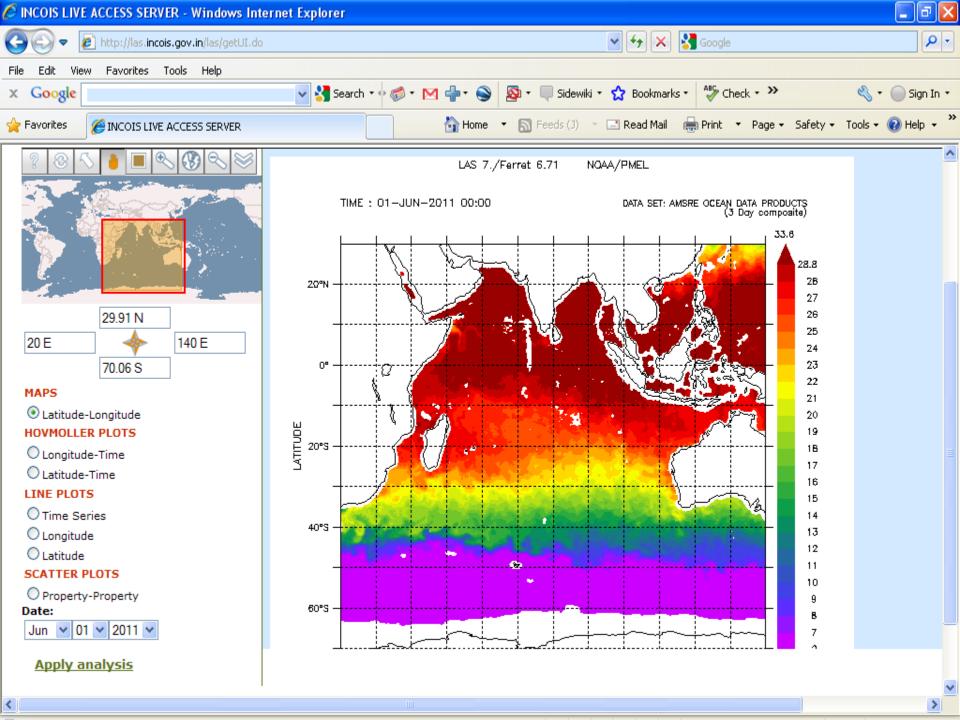
LAS enables the data provider to:

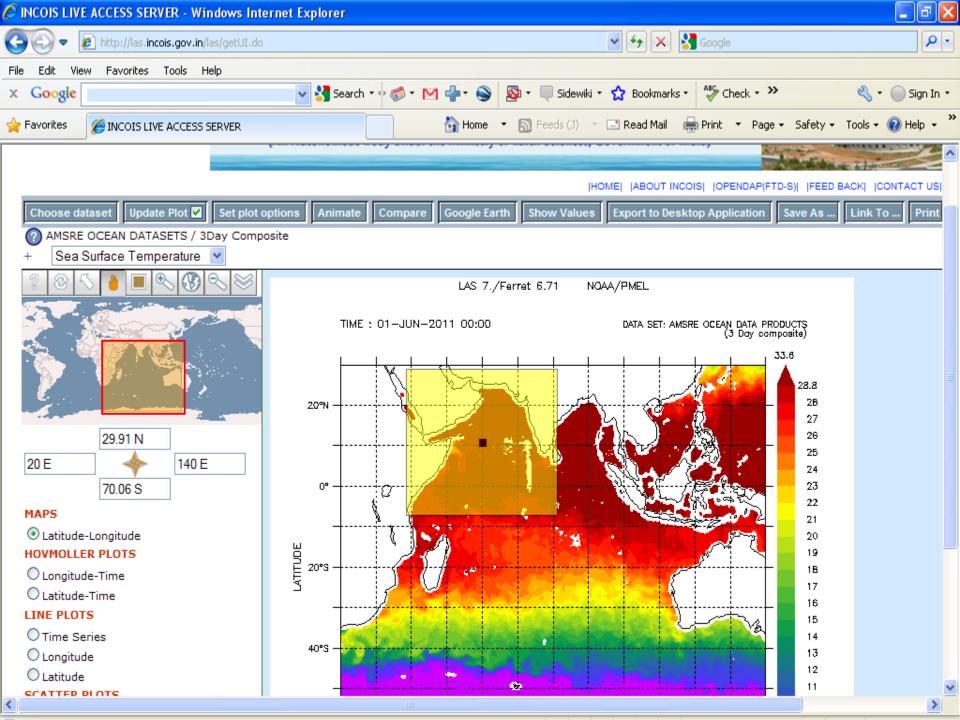
- unify access to multiple types of data in a single interface
- create thematic data servers from distributed data sources
- offer derived products on the fly
- remedy metadata inadequacies (poorly self-describing data)
- offer unique products (e.g. visualization styles specialized for the data)

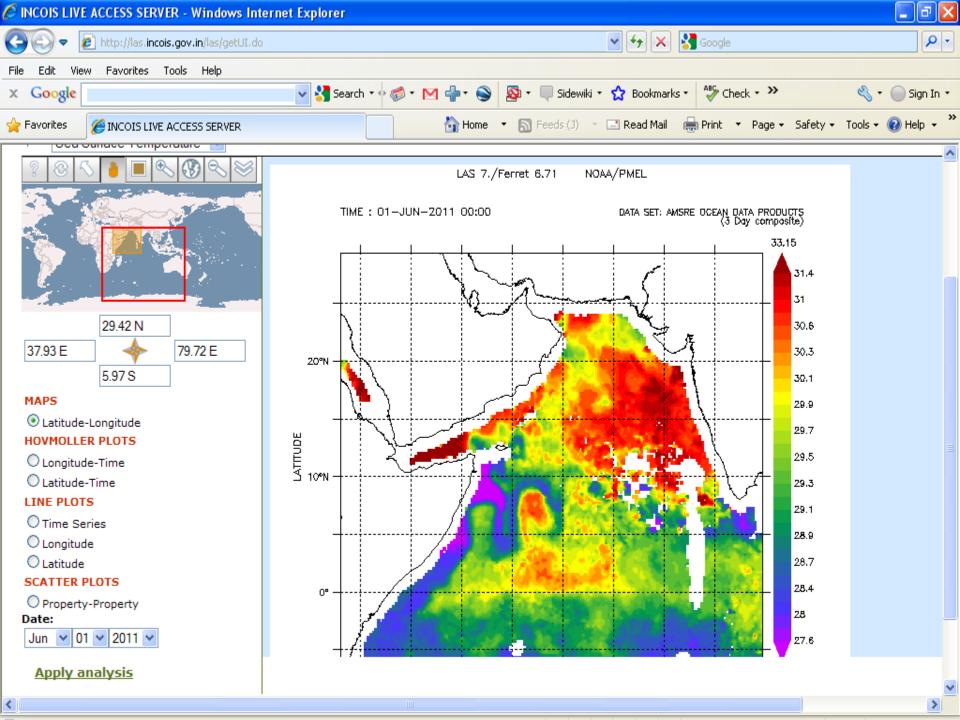
Over view of LAS









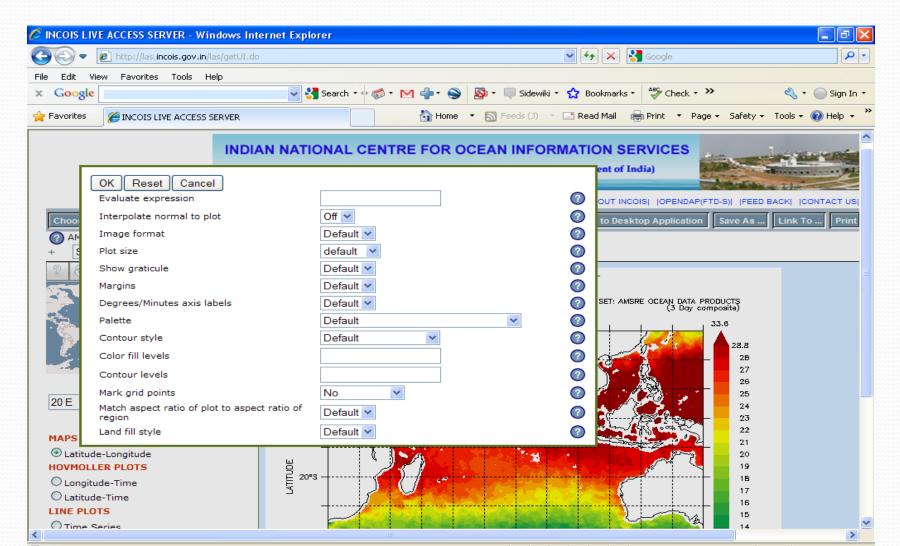


Functionalities

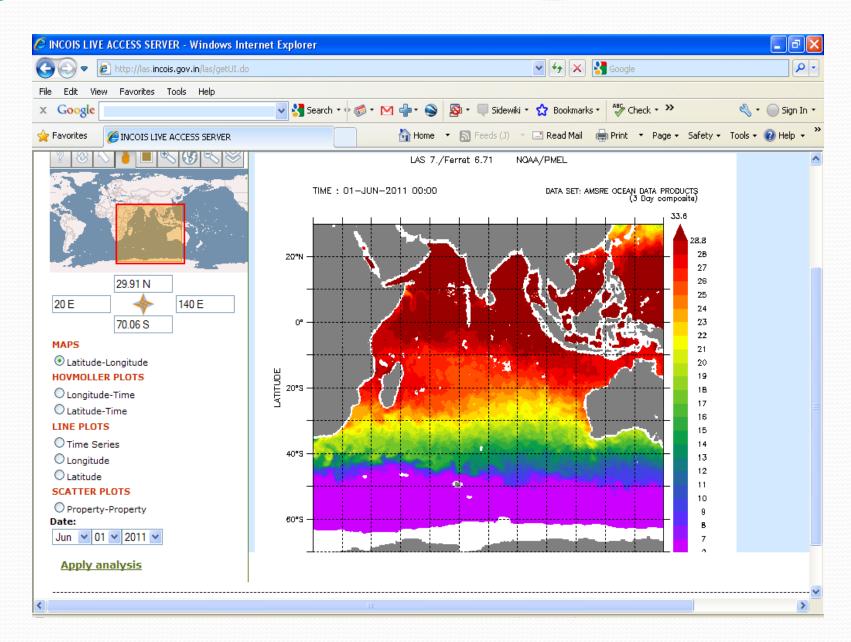


- Choose datasets
- Update plot
- Set plot options
- Animate
- Compare
- Google earth
- Show value
- Export to desktop application
- Save as
- Link to
- Print

Set plot option



Land filled



Animation 🜈 LAS Animation - Windows Internet Explorer 🔊 http://las.incois.gov.in/las/ProductServer.do?xml=%3C%3Fxml+version%3D%221.0%22%3F%3E%3ClasRec 🔻 🐓 🔀 Google File Edit View Favorites Tools Help 🔽 🛂 Search 🕶 🧀 🔻 🔛 🐈 Check 🕶 🧇 x Google A Favorites 🌇 Home 🔻 🔝 Feeds (J) 🔻 🖃 Read Mail 🗼 Print 🔻 Page 🔻 Safety 🔻 Tools 🔻 🕡 Help 🔻 ELAS Animation LAS Animation New ... LAS 7./Ferret 6.71 NOAA/PMEL Z (METERS) : 5 TIME : 20-MAY-2011 00:00 DATA SET: VAM MNT ARGO 30.55 28.6 28.2 27.8 10°N 27.4 27 LATITUDE 26.6 26.2 25.8 10°S 25.4 25 24.6 LONGITUDE TEMP[L=@SBX:3] (no units)

PLAY +1 >|

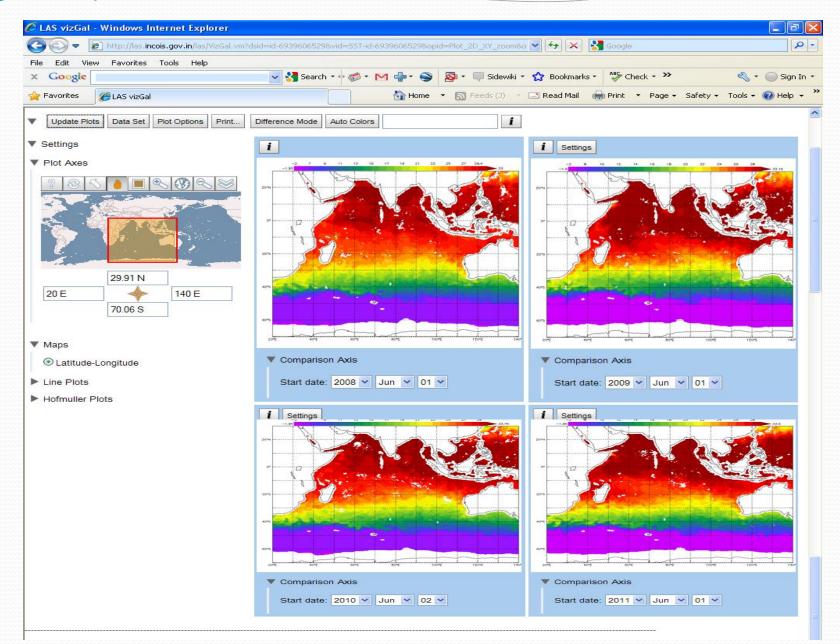
+

STOP

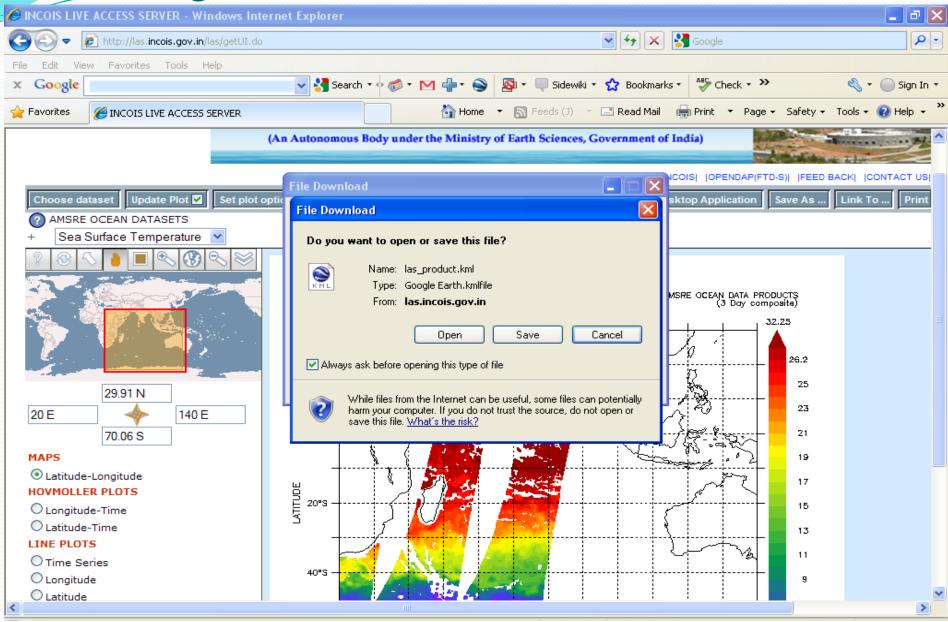
Speed - 8

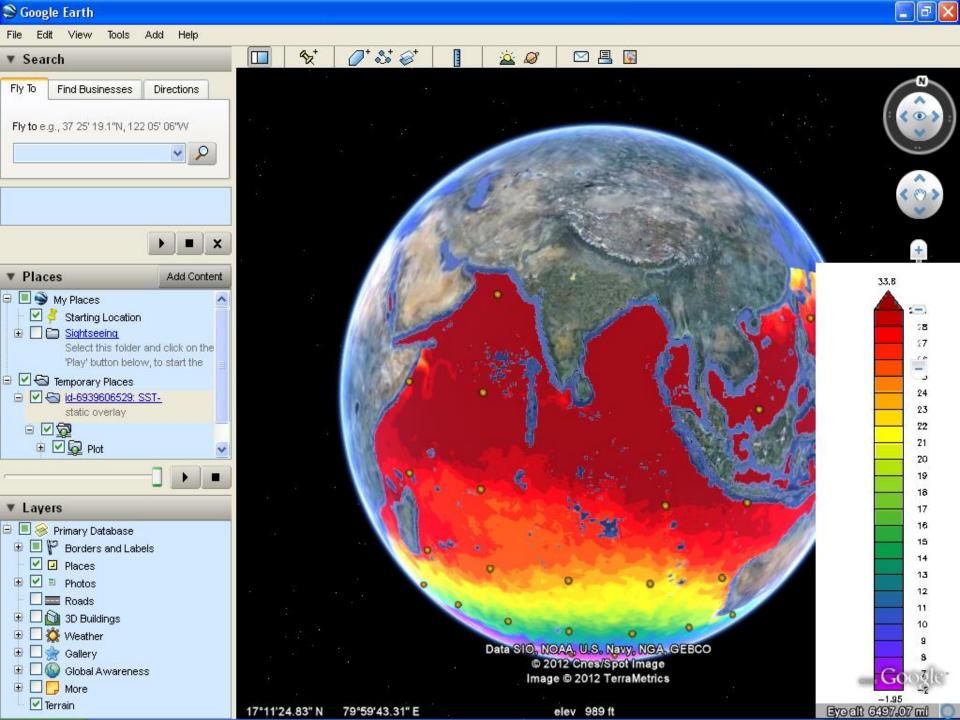
loop

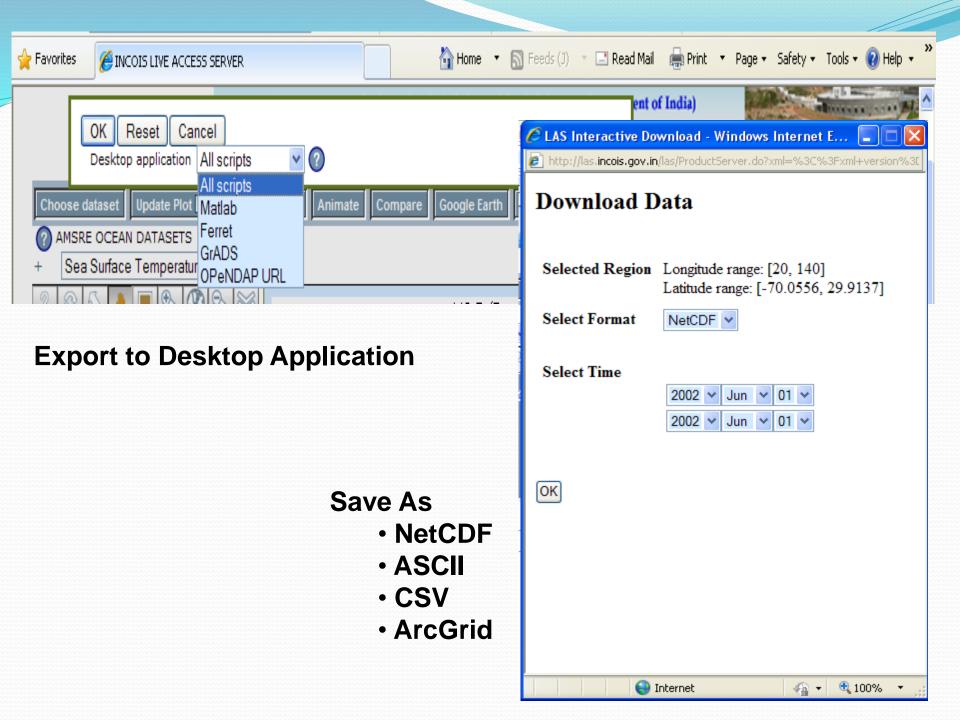
compare



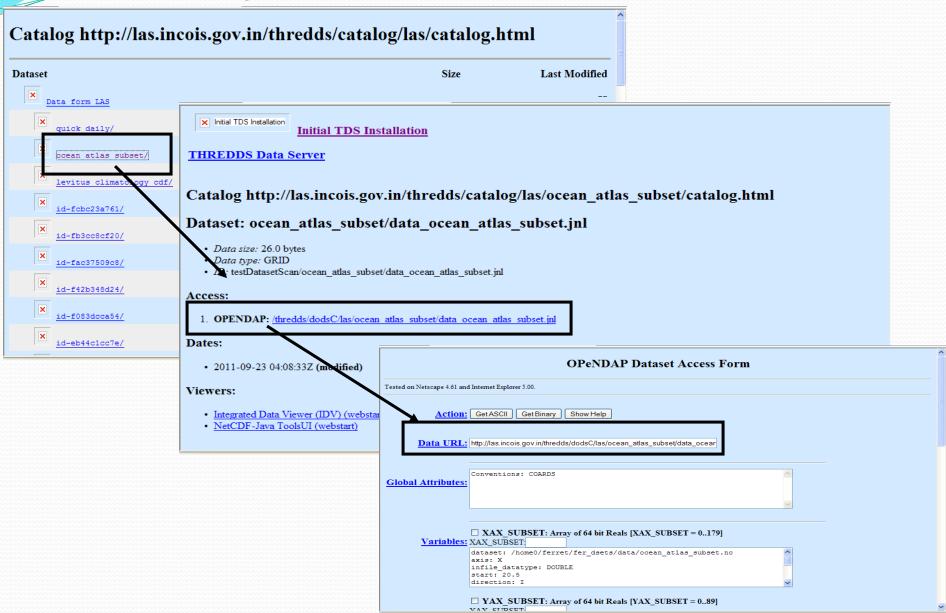
Google earth



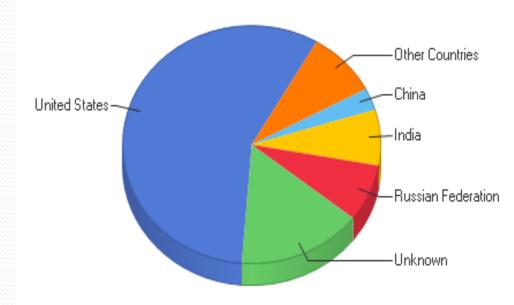




OpenDAP links of LAS



INCOIS Live Access Server – User Statistics



URL: http://las.incois.gov.in

Contact:

dmg@incois.gov.in

Data and information Management Group, INCOIS

		Country	Hits	Visitors	tal Visit
	1	United States	19,215	5,630	57.12
	2	Unknown	44,542	1,533	15.55
	3	Russian Federation	875	770	7.81
	4	India	30,956	751	7.62
	5	China	3,703	297	3.01
	6	Germany	455	77	0.78
	7	Japan	470	75	0.76
	8	Korea, Republic of	36,089	63	0.64
	9	Canada	235	62	0.63
	10	France	1,632	52	0.53
	11	Taiwan	174	45	0.46
	12	United Kingdom	714	41	0.42
	13	Mauritius	1,793	37	0.38
	14	Malaysia	41	37	0.38
	15	Hong Kong	121	36	0.37
	16	South Africa	107	35	0.36
	17	Australia	560	24	0.24
	18	Indonesia	464	24	0.24
	19	Brazil	776	21	0.21
	20	Ireland	27	16	0.16
	21	Latvia	16	16	0.16
	22	Sweden	118	15	0.15

% of To

Thank You

