



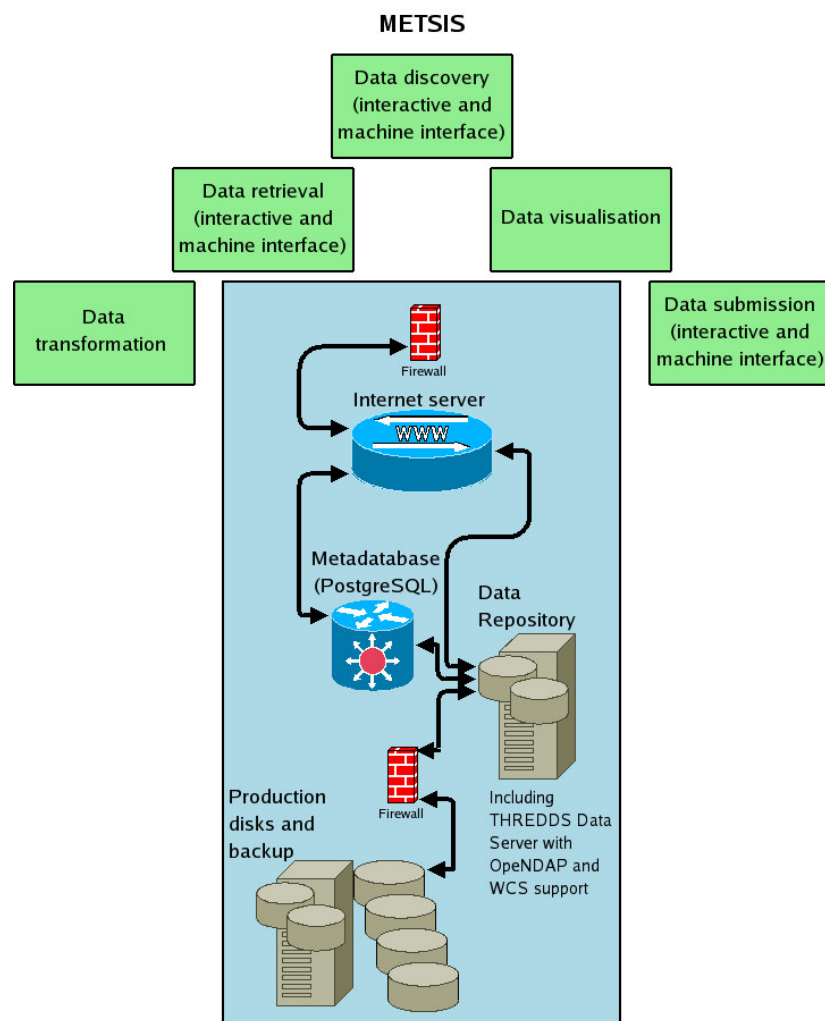
METSIS

met.no Scientific Information System

Steinar Eastwood and Øystein Godøy, met.no



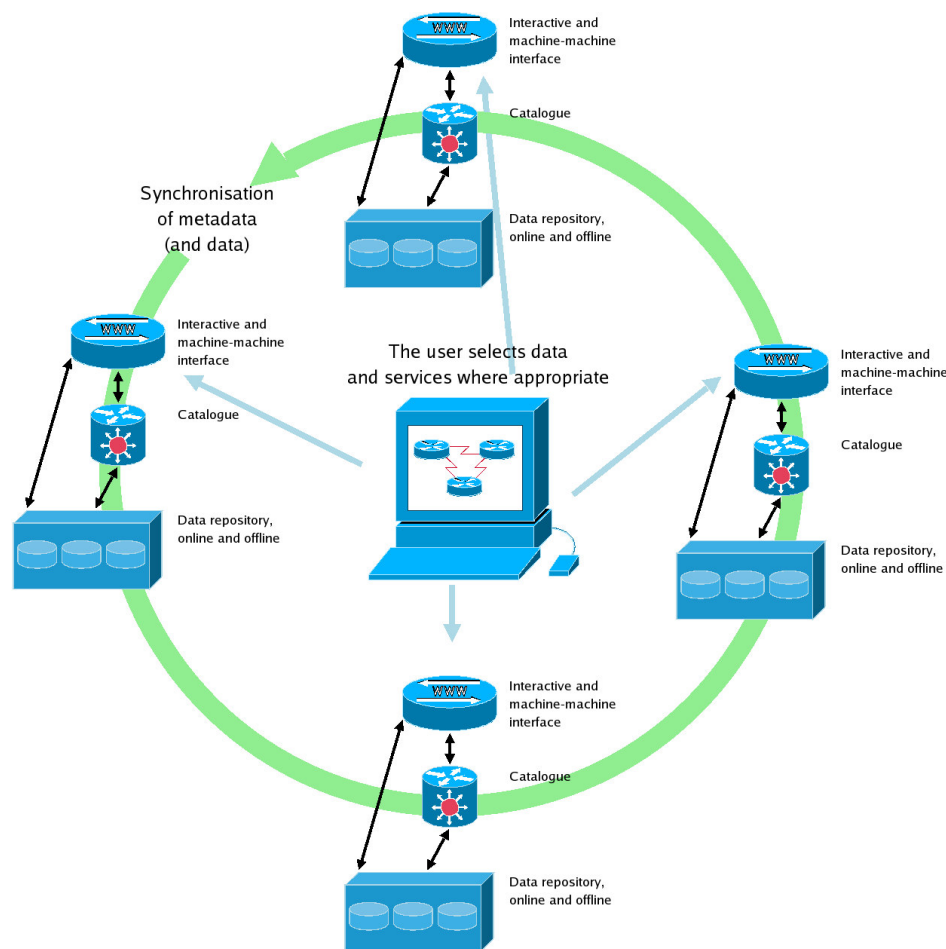
METSIS Functionality



- Focusing at portal solution and interactive services
- WMO and GCMD keywords, CF standard names
- Web based browsing of metadata
- Interactive/automated file upload
 - Favouring NetCDF/CF, featuring automated metadata extraction, checking and feedback
 - Handles other formats
- Linking remote datasets
- Metadata feeding through XML
- Adding functionality to subset, reformat and reproject gridded data
- Data access through THREDDS Data Server or HTTP/FTP



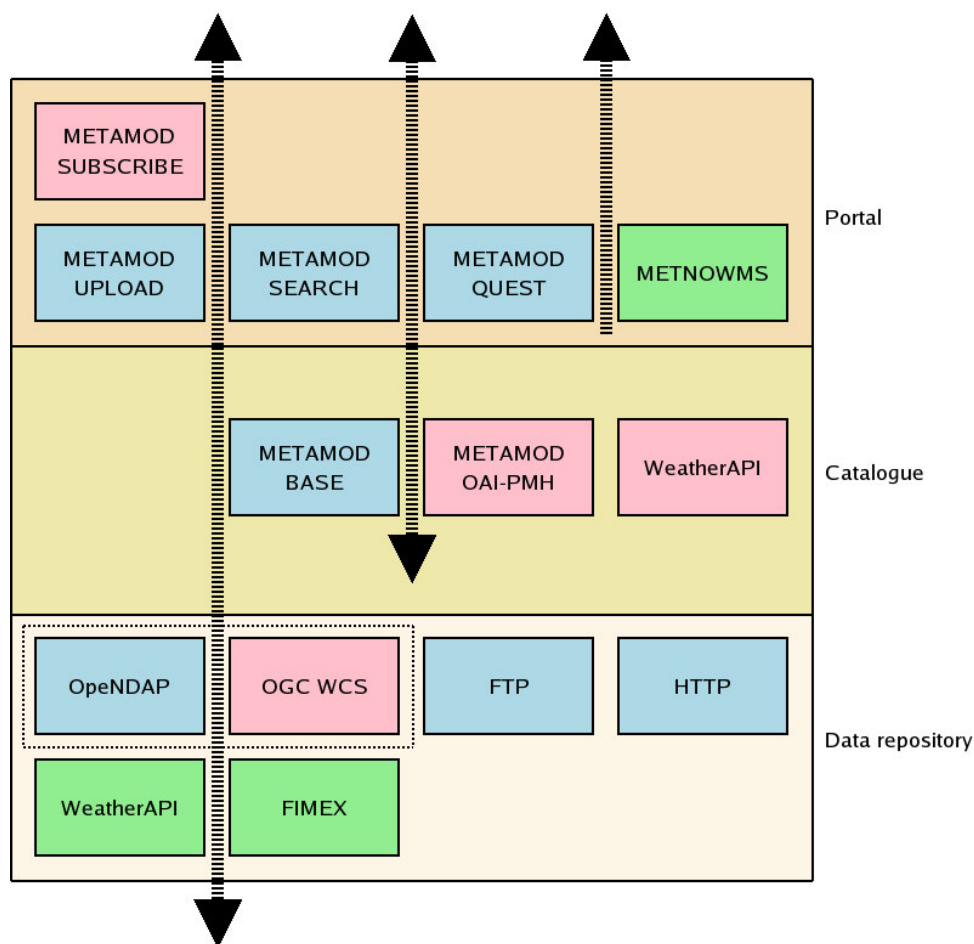
METSIS Interoperability



- Attempted standardisation of file format
- THREDDS Data Server
 - OpeNDAP
 - (OGC WCS)
 - HTTP
- OAI-PMH
 - Testing within DOKIPY
 - Linking IPY databases at IMR, NPI, NILU and METNO
 - Testing against NSIDC
- RESTful services (TBI)
 - CSW support in the future



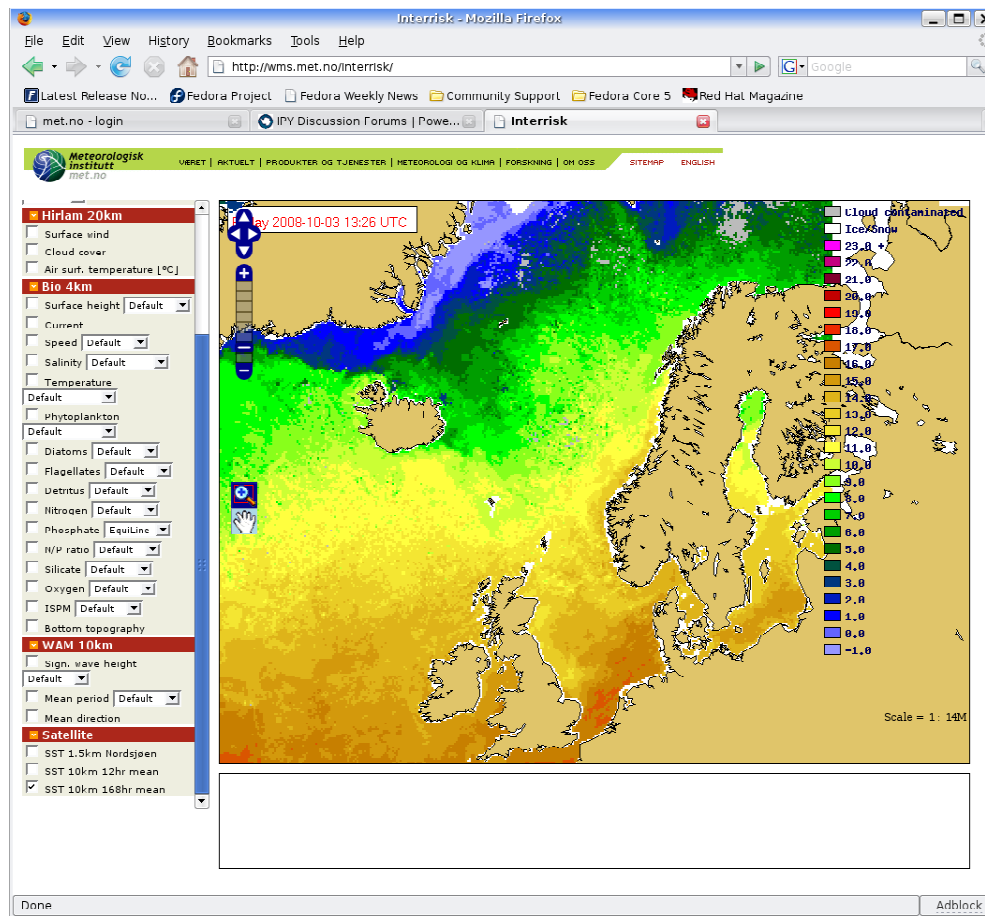
METSIS Components



- Integration of components required
- Developed, but yet not integrated
 - WMS services focusing at high latitudes
 - RESTful services to data
 - File transformation through FIMEX (geographical, parameter subsetting, map and format transformations, ..)
- Under development
 - OAI-PMH
 - WCS support
 - RESTful services to catalogue
 - File upload and conversion
- Some software released as GPL or LGPL



METSIS WMS

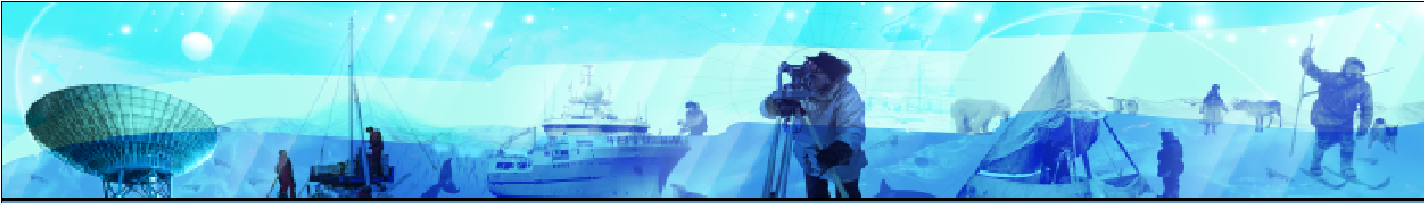


- Using DIANA as backend
- Mapserver
- OpenLayers client

http://ipycoord.met.no/

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IPY operational data coordination /Operational data search February 28, 2008

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IPY Operational Data Search

Search for IPY Operational Data. Use the links on the left hand side to access pages for setting search conditions. Then use the menu below to view results.

The catalogue contains datasets with references to actual data as well as metadata describing planned activities. Currently there are no direct connection from the planned activity descriptions to the corresponding datasets.

SHOW RESULTS	TWO-WAY TABLES	OPTIONS	HELP	
Name	Institutions	Areas	Activity types	Abstract
conc	met.no Meteorologisk Institutt	Northern Hemisphere	Space borne instrument	
type	met.no Meteorologisk Institutt	Northern Hemisphere	Space borne instrument	
edge	met.no Meteorologisk Institutt	Northern Hemisphere	Space borne instrument	
icedriftC4	DMI Danish Meteorological Institute	Arctic Ocean	Space borne instrument	A 9 month ice drift data set based on VIS and IR data
icedriftC2	DMI Danish Meteorological Institute	Arctic Ocean	Space borne instrument	A 9 month ice drift data set based on VIS and IR data
optimal	DTU Technical	Arctic Ocean	Space borne	Ice, ocean and atmosphere parameters

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