



ILMATIETEEN LAITOS
METEOROLOGISKA INSTITUTET
FINNISH METEOROLOGICAL INSTITUTE



Data Dissemination

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FMI



21.01.13



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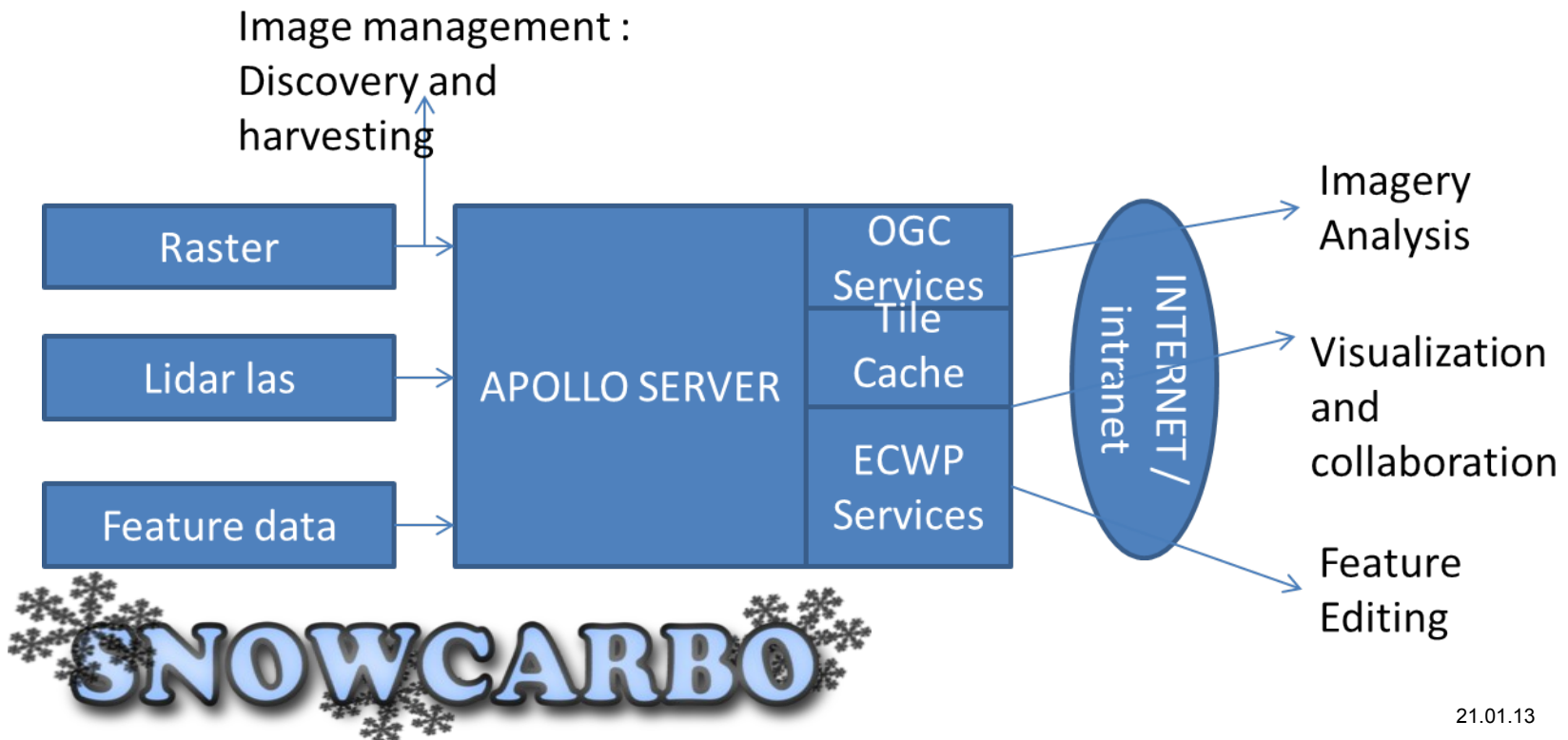
- **Erdas Apollo Server**
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Erdas Apollo Server

- Is an enterprise secure geospatial platform, that offers high performance OGC web services.
- Vector, terrain, imagery





Access to FMI Erdas Apollo

- APOLLO web client is a powerful interactive client to search, consume and interact with APOLLO Web Services
- APOLLO Catalog Web Interface, an interactive tool to search, harvest, delete and update OGC Services in the APOLLO Catalog.





<http://erdas-apollo.fmi.fi/apollo-client/index.jsp?nocombo=true>

The screenshot displays the ERDAS APOLLO Client web interface in a Mozilla Firefox browser. The browser's address bar shows the URL: `erdas-apollo.fmi.fi/apollo-client/index.jsp?nocombo=true`. The interface includes a navigation menu with options like 'Navigate', 'Browse', 'Search', 'Edit', 'Filter', and 'Clip-Zip-Ship'. A 'Contexts' dropdown is set to 'World Boundaries Map'. The 'Layers' panel on the left shows a layer named 'SnowCarbo_yearly_Northern_Europe_CO2Bala' which is currently active. Below the map, there is a metadata section for the selected layer, 'SnowCarbo_yearly_Northern_Europe_CO2Balance2009_v1.tif'. The metadata includes fields for Name, Title, Description (Coverage), and Keywords (None). On the right side of the metadata, technical details are provided: Access (WMS, WCS), Acquisition Date (Unspecified), SRS (EPSG:4326), and Extents (4.55, 52.495, 47.01, 71.195). The map itself shows a geographical area of Northern Europe with a color-coded overlay representing CO2 balance, ranging from green (positive) to red (negative). Major cities like Moscow, Kazan, and Samara are labeled on the map. The interface also features a search bar, a login field, and a language selector set to 'English'.





Access to FMI Erdas Apollo....

Via the following OGC standard interfaces

- Web Coverage Service (WCS)
- Web Map Service (WMS)
- Web Feature Service (WFS)
- Web Registry Service (WRS)

Others ways of accessing the data are through

- OGC compliant Http requests
- Any OGC compliant client for example qgis, gdal_wcs, curl, matlab wms





Available datasets

- SnowCarbo collection covers yearly and monthly regional CO₂ balance maps from 2001 to 2009.
- GlobSnow collection includes snow water equivalent SWE and snow extent SE products.
- CryoLand collection includes PanEuropean Snow water equivalent product





Possible Services

- Data processing
- Archiving services
- Dissemination services

More information:

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Thank you!

SNOWCARBO