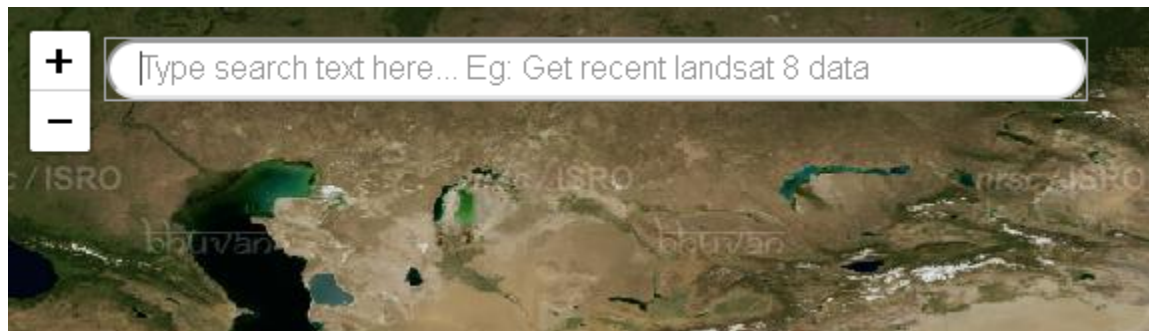


Smart Search (Text Based Search)



Smart Search is a functionality that has been enabled to search products in Bhoonidhi using common sentences and phrases. This enables for a quick and faster user ordering

The following are the features of **Smart search / Text-based** search::

1. Event search
Example: Get Landsat data of kerala floods
2. Resolution based search
Example: Get fine resolution data from yesterday
3. Satellite, sensor based search
Example: Landsat OLI and C2E MX data over Hyderabad region.
4. Date range specifications
Example formats: 31-07-2020, 31st december 2020, 09 Feb 2019, 22nd November, 2 weeks, 28 days, 4 years
5. Location specifications (in both names, latitude and longitude) & Area/radius
Example:
 - a. Get C03 data from Hyderabad over the area of 200 km²
 - b. Get RS2 data from lat 17.45 and lon 78.4 with radius 20 km
6. Cloud percentage specification
Example: Get RS2 data with cloud threshold of 30
7. Pricing based search (paid or free)
Example: Fetch recent low resolution free optical data
8. Advanced filtering options (Path, Row, incidence angle, look direction, node, transpol, recvpol, etc.)
Example:
 - a. get R2A data with path 111 from 01-01-2021 till 29-03-2021
 - b. get Risat 1 SAR CRS data from 01-12-2016 till today with ascending node and left look direction
9. Sensor type based search search (Optical, Microwave, Infrared, Scatterometer, etc)
Example: Get high resolution microwave data from the last 2 years over Hyderabad
10. Product type based search
Example: Get Cartosat 2E standard products
11. Imaging mode based search
Example: Get C2E spot imaging products

12. Smart intersection and union of multiple search conditions in the query

Example: Get C2E and C03 MX product (Will fetch MX products of C2E and C03)

Smart Search Conditions:

1. Cannot search for all the satellite data available on Bhoonidhi
2. Cannot search fine resolution products along with other resolution satellite products.
Fine resolution products have to be searched independently.
3. Multiple locations cannot be searched in the current release.
4. If satellites are searched across resolutions, the results are restricted to 15 satellite sensor configurations and the fine resolution results are not displayed on the GUI.
5. Polygon based search is not available in the current release.