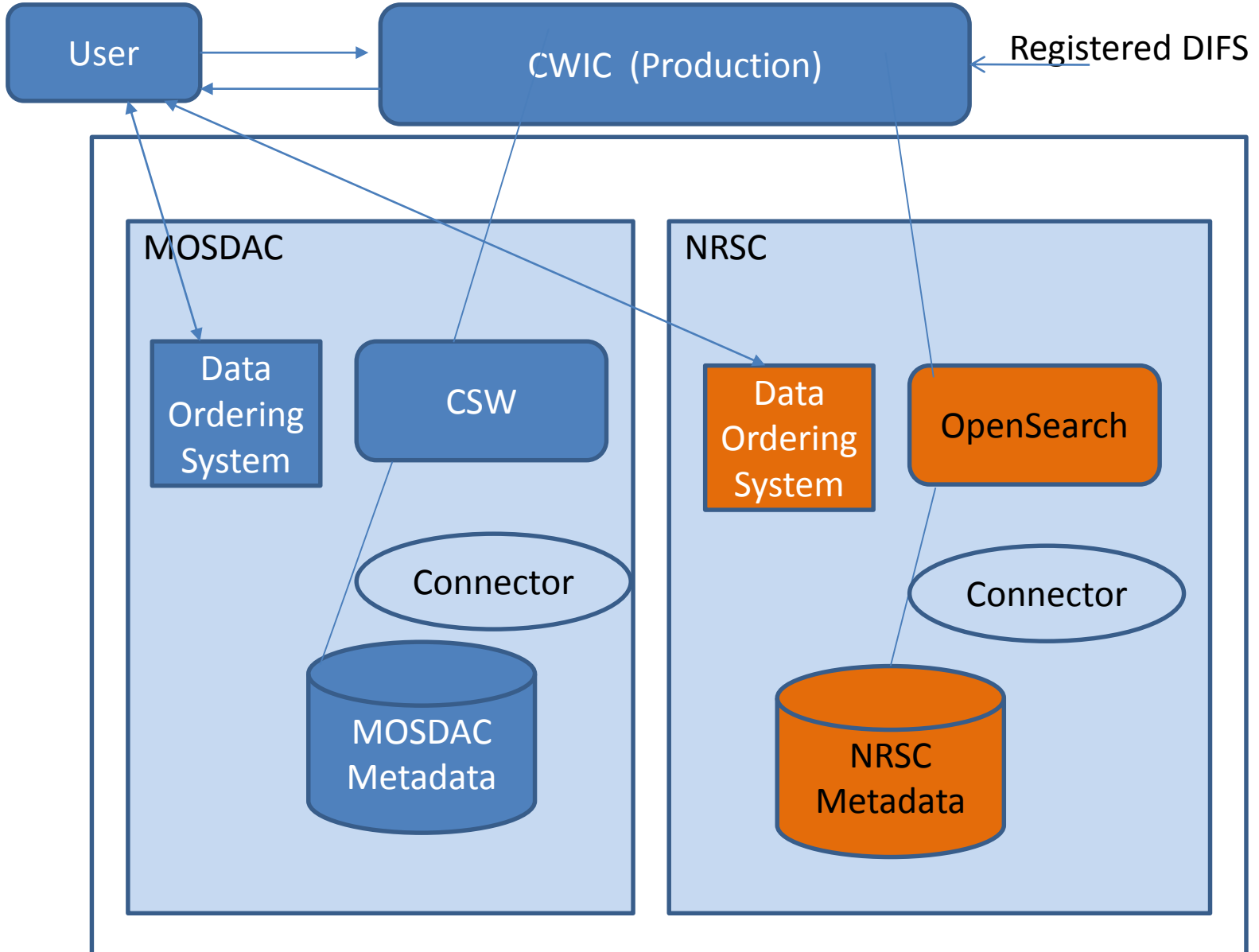


CWIC Partner Report : ISRO WGISS-41, Canberra Australia



Nitant Dube
Space Applications Centre, ISRO
Ahmedabad, INDIA

Overview of ISRO connector Interface with CWIC





Integration with CWIC (Status)



- Following two ISRO data centers interfaced with CWIC
 - **MOSDAC**: Operational using CSW interface (20 DIFS are Registered)
 - Data is free, only Registration is Required
 - **NRSC**: Operational using OpenSearch Interface (2 DIFS are Registered)
 - Bhuvan EO data is free and can be downloaded directly using URL in the metadata
 - All other products are on chargeable basis and requires registration



MOSDAC Metadata/data



- **MOSDAC** : Meteorological and Oceanographic Satellite data archival Centre
- Following Satellite and Metadata/Products are available from MOSDAC
 - INSAT-3D IMAGER (Done) (14 DIFS are registered)
 - Kalpana-1 VHRR (Done)(6 DIFS are made public)



NRSC Metadata/data



- **NRSC** :National Remote Sensing Centre
- Following Satellite and Metadata/Products currently planned to be made available from NRSC
 - Data from Bhuvan NRSC Open Earth Observation Data Archive (NOEDA) Products available through CWIC
 - IMS-1 Hyper-spectral Data (Free) (Done)
 - Oceansat-2 GAC L1B products (Free) (Done)
 - Commercial Data (Registration of DIFS under Progress)
 - Resourcesat-2 LISS-3, LISS-4 and AWiFS data (In Progress)



Dataset Search

Search Terms:

Bounding Box (NLat WLon SLat ELon):



Start Date/Time:

End Date/Time:

Science Keywords:

[Clear Tree Selections](#)

- Locations
- Providers
- Platforms
- Instruments
- Science Keywords

[Filter datasets](#)

Displaying 1 to 20 of 20 total hits * page: 1 *

- Dataset Title: INSAT-3D Imager Level-2P SMOKE
Archive Center: IN/ISRO/MOSDAC Short Name: 3DIMG_L2P_SMK
[search for granules](#) [view metadata](#)
- Dataset Title: INSAT-3D Imager Level-2C FOG
Archive Center: IN/ISRO/MOSDAC Short Name: 3DIMG_L2C_FOG
[search for granules](#) [view metadata](#)
- Dataset Title: INSAT-3D Imager Level-2C SNOW MAP
Archive Center: IN/ISRO/MOSDAC Short Name: 3DIMG_L2C_SNW
[search for granules](#) [view metadata](#)
- Dataset Title: INSAT-3D Imager Level-2P IR WINDS
Archive Center: IN/ISRO/MOSDAC Short Name: 3DIMG_L2P_IRW
[search for granules](#) [view metadata](#)

Displaying 1 to 20 of 20 total hits * page: 1 *

CWICSMART

A Programmatic OpenSearch Client



[Show diagnostics](#)

[Home](#) **Dataset search**

• indicates a required field

Search

terms:

Bounding

box:

Start time:

End time:

Start

page:

Count:

Showing 1 to 20 of 20 results in 0.64 seconds

Page 1 of 1

INSAT-3D Imager Level-1C Sector Product

Description:

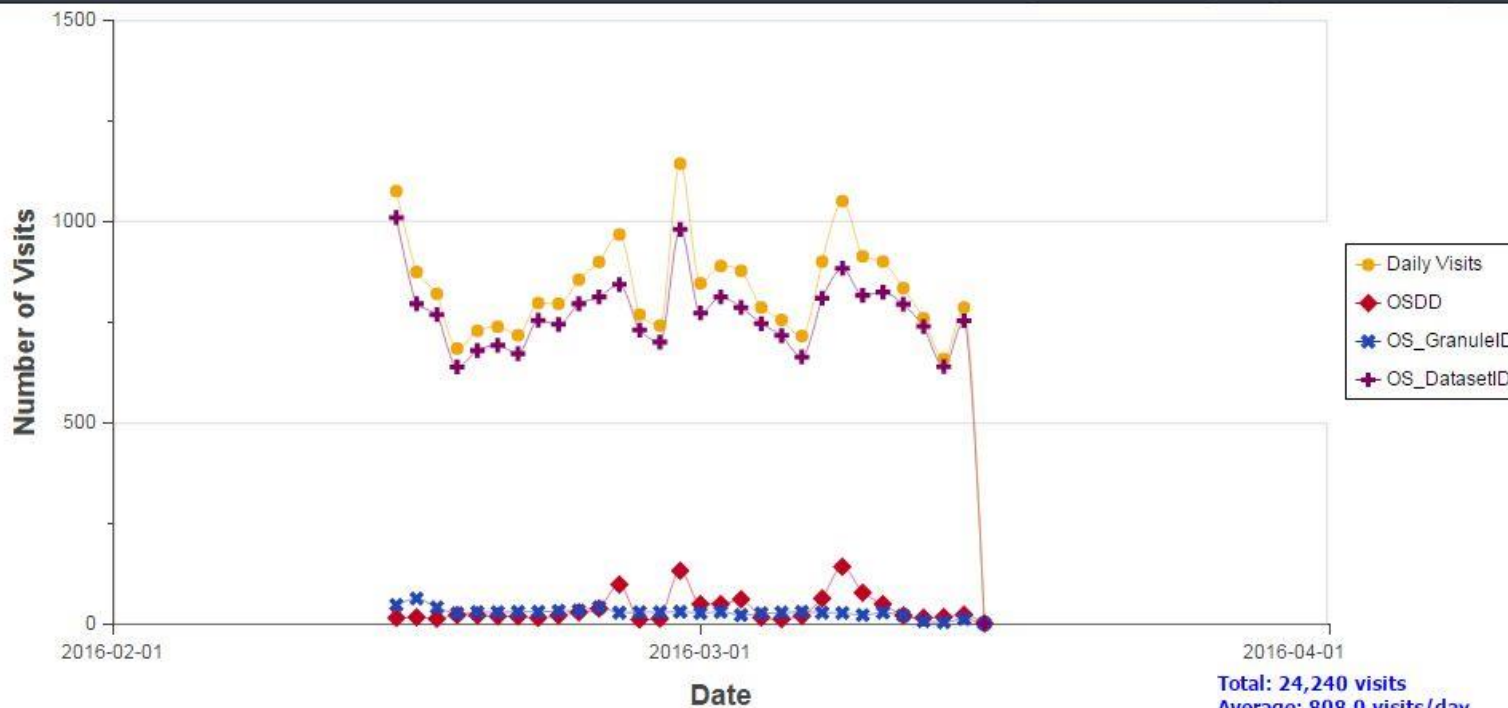
INSAT-3D Imager Level-1C Sector Product (Geocoded, all pixels at same resolution) contains 6 channels data in HDF-5 Format

Links:

- [permalink](#)
- [DIF as XML, requires URS login](#)
- [DIF as HTML](#)
- [FGDC as HTML](#)
- [ISO 19115 as HTML](#)
- [Metadata description](#)
- [VIEW PROJECT HOME PAGE](#)

Export Chart Print Report

From: 2016-02-14 To: 2016-03-15 Apply



Query Interface

Interface	DoW	Visits	Successes	Failures	>>	Average Times	Minimum Times	Maximum Times
<input checked="" type="checkbox"/> OSDD		1,066	1,040	26		0.001s	0.001s	0.008s
<input checked="" type="checkbox"/> OS_DatasetID		22,333	21,656	677		1.44s	0.167s	47.66s
<input checked="" type="checkbox"/> OS_GranuleID		800	666	134		0.98s	0.374s	4.24s
<input checked="" type="checkbox"/> Overall		24,199	23,362	837		1.36s	0.001s	47.66s

Data Center Accesses

Data Center	Visits
USGSLSI	21,767
ISRO	926
NOAANODC	481
CCMEO	374
MASAECHO	227

Dataset Accesses (Top 100)

Dataset	Data Center	Visits
acronym.ASCSZO1B.satellite.M0...	EUMETSAT	16
3DIMG_L1C_SGP	ISRO	8
3DIMG_L2B_SST	ISRO	6
USGS_EDC_EO1_Hyperion	USGSLSI	6
3DIMG_L2B_UTH	ISRO	4
3DIMG_L2P_MRW	ISRO	4

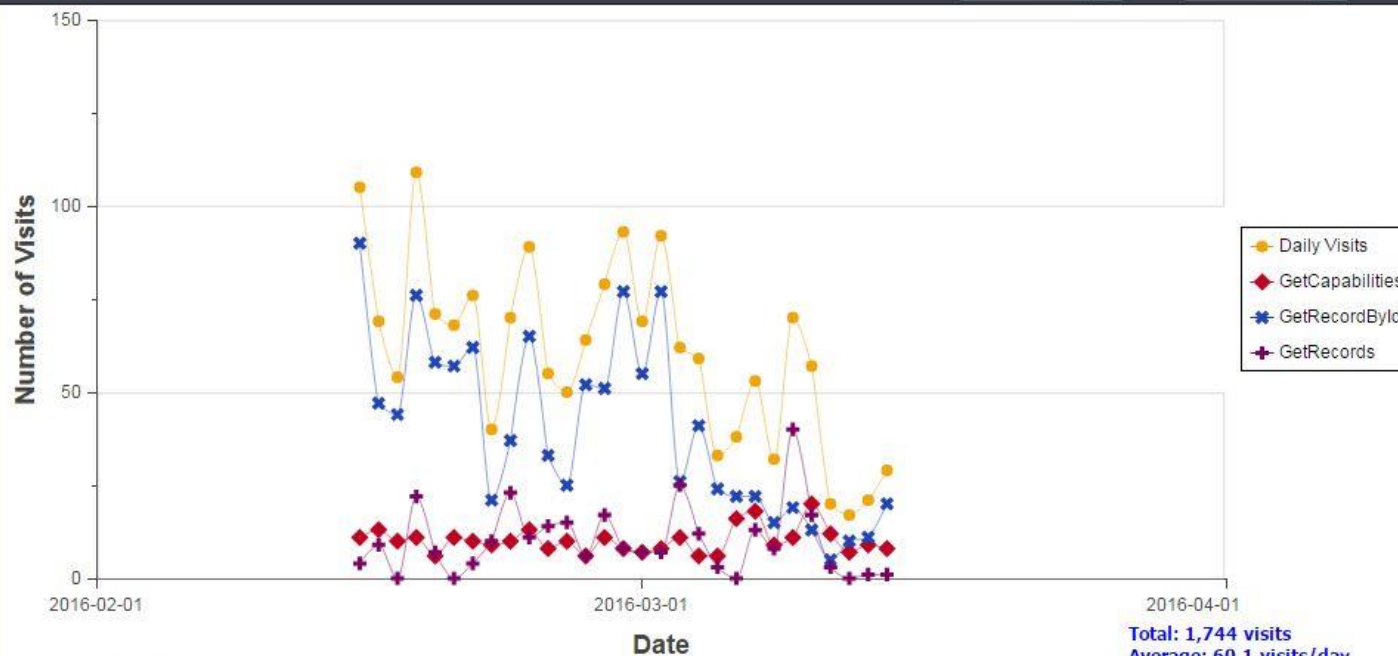
Country/Regional Sources of Visitors

Country	Visits
Canada	19,727
United States	3,624
Unknown	694
China	100
Germany	7



Export Chart Print Report

From: 2016-02-14 To: 2016-03-15 Apply



Query Interface

Interface	Days of Week	Visits	Successes	Failures	Average Times	Minimum Times	Maximum Times
<input checked="" type="checkbox"/> GetCapabilities		295	295	0	0.013s	0.008s	0.229s
<input checked="" type="checkbox"/> GetRecords		287	214	73	2.65s	0.389s	55.69s
<input checked="" type="checkbox"/> GetRecordByID		1,155	459	696	1.30s	0.314s	16.02s
<input checked="" type="checkbox"/> Overall		1,737	968	769	1.20s	0.008s	55.69s

Output Schema Type

ISO: 1,148 CSW Core: 294

Returned Element Set Type

Full: 1,389 Summary: 22 Brief: 31

Data Center Accesses

Data Center	Visits
NASAEOCHO	530
ISRO	51
USGSLSI	39
INPE	25
CURSET	12

Dataset Accesses (Top 100)

Dataset	Data Center	Visits
MYD11B15	NASAEOCHO	477
3DIMG_L2P_IRW	ISRO	29
Landsat_8	USGSLSI	13
OS2_GAC_RAD	ISRONRSC	12
INPE_IRS_AWIFS	INPE	11
IMS1_HYSI_GEO_1.0	ISRONRSC	9

Country/Regional Sources of Visitors

Country	Visits
United States	1,217
Belgium	482
Croatia	22
Canada	9
China	4

DEMO



Future Plans

- Registration of NRSC DIFS (Resourcesat-2 LISS-3, LISS-4 and AWiFS), work in progress
- Testing of NRSC Direct Ordering Interface
- Exploring possibility of Enabling of OpenSearch for MOSDAC connector



Thank You

Contributions

ISRO : SaiKalpana, Nitesh Kaushik, Utkarsh

CWIC : Eugene, Michael Morahan, Yonsook

Support : Entire CWIC and WGISS Team