

WORLD METEOROLOGICAL ORGANIZATION

IPET-SUP-2/INF. 4  
(22.II.2016)

COMMISSION FOR BASIC SYSTEMS  
OPEN PROGRAMME AREA GROUP ON INTEGRATED OBSERVING SYSTEMS

INTER-PROGRAMME EXPERT TEAM ON SATELLITE UTILIZATION AND  
PRODUCTS

ITEM: I.4

SECOND SESSION

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**WMO SPACE PROGRAMME ONLINE RESOURCES  
(Product Access Guide, Data Access Page, Tools Page)**

*(Submitted by the Secretariat)*

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**Summary and Purpose of Document**

The document provides an update on online resources hosted by the Space Programme Office, namely:

- Product Access Guide (PAG)
- Data Access page (basic access information to mainly low-level data)
- Tools page

An update on OSCAR/Space is given in document IPET-SUP-2/Doc.11.

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**ACTION PROPOSED**

The second session is invited to note the information provided, and comment as appropriate.

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- Appendix:**
- A. Current PAG content and recent modifications
  - B. PAG GAnalytics Statistics

## DISCUSSION

### 1. Product Access Guide

#### [Product Access Guide \(PAG\)](#)

#### 1.1 PAG Maintenance Process

The PAG management team had two teleconferences during the inter-sessional period (5 Aug 2015, 30 Nov 2015). It agreed on a process for maintaining the PAG:

1. Team to discuss status and updates of PAG every 3 months
2. Team members to review PAG and validity of its links (particularly “their” links) before each call
3. WMO Secretariat to maintain a spreadsheet with existing and candidate links
  - a. For existing links, add a column “Stable URL confirmed?”
  - b. For candidate links, add a recommendation to the Team whether or not to be added to the PAG; for discussion by Team
4. Team members are encouraged to suggest addition of new links, or removal of existing links
5. Team does not review links related to Space Weather (Task of WMO ICTSW team)
6. Team to discuss other PAG matters, such as PAG structure and design, linkage to OSCAR/Space, promotional material, communication

Members of the PAG management team are:

Sally Wannop (EUMETSAT), Daniele Biron (NMS Italy), Anthony Mostek (NOAA NWS), Xiang Fang, Jian Liu (CMA), Hidehiko Murata (JMA), Chu-Yong CHUNG (KMA), Jin Woo (KMA).

The PAG is currently populated with URLs to **102** product collections from 14 provider organizations that meet, or are very close to meeting these criteria. It contains links to **33** sources of training material, and **14** links to international scientific expert groups. Content of the PAG needs further expanding since the online catalogues of many providers are currently non-compliant with the [PAG acceptance criteria](#).

According to GAnalytics, the PAG currently receives about **11** page views per day (baseline 1 November 2015 – 21 February 2016).

WMO Secretariat continues to provide IT support to maintain the PAG and the underlying drupal webserver platform. Options for ensuring such support in the medium and long-term by the WMO IT infrastructure are being explored.

The PAG is yet to be registered as a resource in the WMO Information System (WIS).

### 2. Data access webpage

#### [Data Access page](#)

This page is dynamically sourcing the “data access information” and “data access link” and the following fields from OSCAR/Space: Satellite | Space Agency | Orbit . The page is searchable and has currently **36** entries.

It needs to be investigated whether the sourcing of information is correct (the page had 81 entries prior to IPET-SUP-1).

In contrast to the PAG, data access information is of general nature, and the links point to low-level data or to a data access overview page.

### **3. Tools webpage**

[Tools page](#)

This page has been up and running for four years and provides guidance on tools for processing and visualizing satellite data that are commonly in operation by the community (with basic information and links to 10 commercial and 18 open source tools).

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## Current PAG entries (26 Nov 2015)

Product Collection,  
Training Material or  
Expert Team link

Name / description of  
product collection on provider side

Required, min 1 max 3, must only use leaf tags  
for Product Collections

Type	Provider	URL	Page name	Status / Comments	Domain Tag 1	Domain Tag 2	Domain Tag 3
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/land/fire.html">http://www.ospo.noaa.gov/Products/land/fire.html</a>	Fire and Smoke Products - OSPO		*Trace Gases	*Fire	
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/atmosphere/vaac/">http://www.ospo.noaa.gov/Products/atmosphere/vaac/</a>	Washington VAAC homepage - OSPO Volcanic Ash Products			Basic Data & Imag	*Trace gases
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/ocean/sst.html">http://www.ospo.noaa.gov/Products/ocean/sst.html</a>	NOAA Sea Surface Temperature (SST) - OSPO		*Sea surface temperature		
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/atmosphere/rain.html">http://www.ospo.noaa.gov/Products/atmosphere/rain.html</a>	OSPO Precipitation Products (incl Hydro-Estimator)		*Precipitation	*Inland water and flooding	
Product Collection	NOAA	<a href="http://www.natice.noaa.gov/ims/">http://www.natice.noaa.gov/ims/</a>	US National Ice Center - Snow and Ice Products		*Lake and river ice	*Sea ice	*Snow
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/land/snow.html">http://www.ospo.noaa.gov/Products/land/snow.html</a>	OSPO Snow and Ice Products		*Sea ice	*Snow	*Lake and river ice
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/land/vegetation.html">http://www.ospo.noaa.gov/Products/land/vegetation.html</a>	OSPO Vegetation Products		*Vegetation	*Land cover	
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/atmosphere/aerosol.html">http://www.ospo.noaa.gov/Products/atmosphere/aerosol.html</a>	OSPO Aerosol Products		*Aerosol		
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/atmosphere/clouds.html">http://www.ospo.noaa.gov/Products/atmosphere/clouds.html</a>	OSPO Cloud Products		*Clouds		
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/ocean/color.html">http://www.ospo.noaa.gov/Products/ocean/color.html</a>	OSPO Ocean Colour Products		*Ocean colour		
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/atmosphere/ozone.html">http://www.ospo.noaa.gov/Products/atmosphere/ozone.html</a>	Ozone Products		*Trace gases		
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/atmosphere/soundings/index.html">http://www.ospo.noaa.gov/Products/atmosphere/soundings/index.html</a>	Sounding Products		Atmosphere	Basic Data & Imagery	
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/atmosphere/wind.html">http://www.ospo.noaa.gov/Products/atmosphere/wind.html</a>	Wind Products		*Wind	*Ocean surface wind	
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/ocean/coral_bleaching.htm">http://www.ospo.noaa.gov/Products/ocean/coral_bleaching.htm</a>	Coral Bleaching Products		*Sea surface temperature	*Ocean salinity	Ocean
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/ocean/tropical.html">http://www.ospo.noaa.gov/Products/ocean/tropical.html</a>	Tropical System Products		*Clouds	*Wind	*Precipitation
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/land/surface.html">http://www.ospo.noaa.gov/Products/land/surface.html</a>	Surface and Hydrology Products		*Inland water and floodi	*Soil moisture	*Land surface temperature
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/imagery/composite.html">http://www.ospo.noaa.gov/Products/imagery/composite.html</a>	Composite Satellite Imagery		Basic Data & Imagery	*Temperature	Atmosphere
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/imagery/land.html">http://www.ospo.noaa.gov/Products/imagery/land.html</a>	Land Coverage - Satellite Imagery		Basic Data & Imagery	Atmosphere	
Product Collection	NOAA, JMA	<a href="http://www.ospo.noaa.gov/Products/imagery/gss.html">http://www.ospo.noaa.gov/Products/imagery/gss.html</a>	Geostationary Satellite Server (GSS)		Basic Data & Imagery		Atmosphere
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/ocean/sea_ice.html">http://www.ospo.noaa.gov/Products/ocean/sea_ice.html</a>	OSPO Sea/Lake Ice		*Sea ice	*Lake and river ice	
Product Collection	NOAA	<a href="http://www.ospo.noaa.gov/Products/imagery/mosaics.html">http://www.ospo.noaa.gov/Products/imagery/mosaics.html</a>	Polar Mapped Mosaics		Basic Data & Imagery		
Product Collection	JMA	<a href="http://mscweb.kishou.go.jp/sat_dat/index.htm">http://mscweb.kishou.go.jp/sat_dat/index.htm</a>	MTSAT Imagery Sectors, including heavy rain	DELETE (replaced)	Basic Data & Imagery	*Precipitation	Atmosphere
Product Collection	JMA	<a href="http://www.data.jma.go.jp/mscweb/data/himawari/index.html">http://www.data.jma.go.jp/mscweb/data/himawari/index.html</a>	Himawari Real-Time Imagery	NEW ENTRY	Basic Data & Imagery	*Precipitation	Atmosphere
Product Collection	JMA	<a href="http://www.jma.go.jp/en/gms/">http://www.jma.go.jp/en/gms/</a>	MTSAT Full-Disk Imagery	DELETE (updated)	Basic Data & Imagery	Atmosphere	
Product Collection	JMA	<a href="http://www.jma.go.jp/en/gms/">http://www.jma.go.jp/en/gms/</a>	Himawari Full-Disk Imagery	UPDATED ENTRY	Basic Data & Imagery	Atmosphere	
Product Collection	JMA	<a href="http://www.data.jma.go.jp/mscweb/data/himawari/sat_hrp.php?c=Himawari%20Heavy%20Precip%20Potential%20RA%20II">http://www.data.jma.go.jp/mscweb/data/himawari/sat_hrp.php?c=Himawari Heavy Precip Potential RA II</a>	Himawari Heavy Precip Potential RA II	NEW ENTRY	Basic Data & Imagery	*Precipitation	
Product Collection	JMA	<a href="http://www.data.jma.go.jp/mscweb/data/himawari/sat_hrp.php?c=Himawari%20Heavy%20Precip%20Potential%20RA%20V">http://www.data.jma.go.jp/mscweb/data/himawari/sat_hrp.php?c=Himawari Heavy Precip Potential RA V</a>	Himawari Heavy Precip Potential RA V	NEW ENTRY	Basic Data & Imagery	*Precipitation	
Product Collection	EUMETSAT	<a href="http://www.osi-saf.org/visiteurs/produits/wind.php">http://www.osi-saf.org/visiteurs/produits/wind.php</a>	EUMETSAT OSI SAF Winds		*Wind		
Product Collection	EUMETSAT	<a href="http://www.osi-saf.org/visiteurs/produits/sst.php">http://www.osi-saf.org/visiteurs/produits/sst.php</a>	EUMETSAT OSI SAF SST		*Sea surface temperature		
Product Collection	EUMETSAT	<a href="http://www.osi-saf.org/visiteurs/produits/flux.php">http://www.osi-saf.org/visiteurs/produits/flux.php</a>	EUMETSAT OSI SAF Radiative Fluxes		*Radiation		
Product Collection	EUMETSAT	<a href="http://www.osi-saf.org/visiteurs/produits/seaice.php">http://www.osi-saf.org/visiteurs/produits/seaice.php</a>	EUMETSAT OSI SAF Sea Ice		*Sea ice		
Product Collection	EUMETSAT	<a href="http://hsaf.meteoam.it/">http://hsaf.meteoam.it/</a>	EUMETSAT H-SAF: Support to Operational Hydrology and Water Management		*Precipitation	*Snow	*Soil moisture
Product Collection	EUMETSAT	<a href="http://www.nwcsaf.org/HD/MainNS.jsp">http://www.nwcsaf.org/HD/MainNS.jsp</a>	EUMETSAT NWC SAF (Support to Nowcasting and VSRF)		*Clouds	*Wind	*Precipitation
Product Collection	EUMETSAT	<a href="http://oiswww.eumetsat.org/IPPS/html/MSG/PRODUCTS/">http://oiswww.eumetsat.org/IPPS/html/MSG/PRODUCTS/</a>	Meteosat 0 degree Real-Time Products		*Precipitation	*Wind	*Fire
Product Collection	EUMETSAT	<a href="http://oiswww.eumetsat.org/IPPS/html/MSG/IMAGERY/">http://oiswww.eumetsat.org/IPPS/html/MSG/IMAGERY/</a>	Meteosat 0 degree Imagery		Basic Data & Imagery		
Product Collection	EUMETSAT	<a href="http://oiswww.eumetsat.org/IPPS/html/MSG/RGB/">http://oiswww.eumetsat.org/IPPS/html/MSG/RGB/</a>	Meteosat 0 degree RGB Composites		Basic Data & Imagery		
Product Collection	EUMETSAT	<a href="http://oiswww.eumetsat.org/IPPS/html/METOP/IMAGERY/">http://oiswww.eumetsat.org/IPPS/html/METOP/IMAGERY/</a>	Metop Imagery		Basic Data & Imagery		
Product Collection	EUMETSAT	<a href="http://oiswww.eumetsat.org/IPPS/html/METOP/RGB/">http://oiswww.eumetsat.org/IPPS/html/METOP/RGB/</a>	Metop RGB Composites		Basic Data & Imagery		
Product Collection	EUMETSAT	<a href="http://oiswww.eumetsat.org/IPPS/html/MTP/IMAGERY/">http://oiswww.eumetsat.org/IPPS/html/MTP/IMAGERY/</a>	Meteosat Indian Ocean Data Coverage Imagery		Basic Data & Imagery		
Product Collection	EUMETSAT	<a href="http://oiswww.eumetsat.org/IPPS/html/MTP/PRODUCTS/">http://oiswww.eumetsat.org/IPPS/html/MTP/PRODUCTS/</a>	Meteosat Indian Ocean Data Coverage Visualised Products		*Precipitation		
<b>(List of EUMETSAT links involving the Product Navigator is incomplete; current PAG problem with correctly parsing "(" " ")" into URL needs addressing; it disallows the filtering of products by variable</b>							
Product Collection	EUMETSAT	<a href="http://navigator.eumetsat.int/discovery/Start/DirectSearch/External">http://navigator.eumetsat.int/discovery/Start/DirectSearch/External</a>	EUMETSAT Product Navigator: Query for precipitation-related entries		*Precipitation	*Snow	Atmosphere
Product Collection	EUMETSAT	<a href="http://navigator.eumetsat.int/discovery/Start/DirectSearch/External">http://navigator.eumetsat.int/discovery/Start/DirectSearch/External</a>	EUMETSAT Product Navigator: Query for cloud-related entries		*Clouds	Basic Data & Imag	Atmosphere
Product Collection	NASA	<a href="http://disc.sci.gsfc.nasa.gov/precipitation/documentation/TRMM">http://disc.sci.gsfc.nasa.gov/precipitation/documentation/TRMM</a>	TRMM Precipitation Products	UPDATE NEEDED?	*Precipitation		
Product Collection	KMA	<a href="http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite">http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite</a>	COMS Imagery	NEW ENTRY (Image upload slow)	*Basic Data & Imagery		
Product Collection	KMA	<a href="http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite">http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite</a>	COMS Rain Intensity	PROPOSED ENTRY (Non-compliant; Docu	*Precipitation		
Product Collection	KMA	<a href="http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite">http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite</a>	COMS Fog	PROPOSED ENTRY (Non-compliant; Docu	*Fog		
Product Collection	KMA	<a href="http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite">http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite</a>	COMS Cloud Analysis	PROPOSED ENTRY (Non-compliant; Docu	*Clouds		
Product Collection	KMA	<a href="http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite">http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite</a>	COMS AMVs	PROPOSED ENTRY (Non-compliant; Docu	*Wind		
Product Collection	KMA	<a href="http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite">http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite</a>	COMS Aerosol Index	PROPOSED ENTRY (Non-compliant; Docu	*Aerosol		
Product Collection	KMA	<a href="http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite">http://nmsc.kma.go.kr/html/homepage/en/satellite/searchSatellite</a>	COMS SST	PROPOSED ENTRY (Non-compliant; Docu	*Sea surface temperature		
Product Collection	JAXA	<a href="http://sharaku.eorc.jaxa.jp/GSMap/index.htm">http://sharaku.eorc.jaxa.jp/GSMap/index.htm</a>	JAXA GSMap Global Rainfall	NEW ENTRY	*Precipitation		

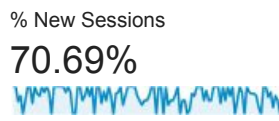
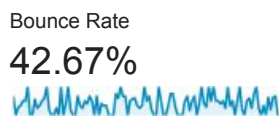
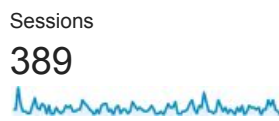
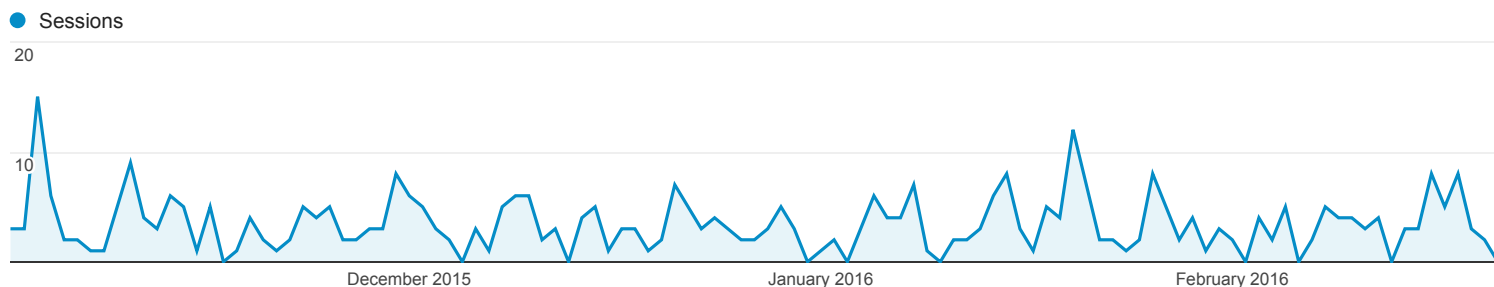
Expert Team	IPWG	<a href="http://www.isac.cnr.it/~ipwg">http://www.isac.cnr.it/~ipwg</a>	WMO-CGMS International Precipitation Working Group		*Precipitation		
Expert Team	ITWG	<a href="http://cimss.ssec.wisc.edu/itwg/">http://cimss.ssec.wisc.edu/itwg/</a>	International TOVS Working Group		*Temperature	Atmosphere	Basic Data & Imagery
Expert Team	IWWG	<a href="http://cimss.ssec.wisc.edu/iwwg/iwwg.html">http://cimss.ssec.wisc.edu/iwwg/iwwg.html</a>	International Winds Working Group (IWWG)		*Wind		
Expert Team	OOST	<a href="http://www.aviso.oceanobs.com/en/user-corner/science-teams/">http://www.aviso.oceanobs.com/en/user-corner/science-teams/</a>	Ocean Surface Topography Science Team		*Sea surface height		
Expert Team	IOCCG	<a href="http://www.ioccg.org/">http://www.ioccg.org/</a>	International Ocean Colour Coordination Group		*Ocean colour		
Expert Team	IROWG	<a href="http://irowg.org/">http://irowg.org/</a>	International Radio-Occultation Working group		Basic Data & Imagery	*Temperature	
Expert Team	WMO GAW	<a href="http://www.wmo.int/pages/prog/arep/gaw/ScientificAdvisoryGro">http://www.wmo.int/pages/prog/arep/gaw/ScientificAdvisoryGro</a>	WMO Global Atmosphere Watch Scientific Advisory Groups (SAG)		*Trace gases	*Aerosol	*Radiation
Expert Team	RA-IV-HC	<a href="http://www.wmo.int/pages/prog/www/tcp/RA-IV-Hurr-Com.html">http://www.wmo.int/pages/prog/www/tcp/RA-IV-Hurr-Com.html</a>	WMO Regional Association IV - Hurricane Committee		*Wind	*Precipitation	*Ocean surface wind
Expert Team	RA-V-HC	<a href="http://www.wmo.int/pages/prog/www/tcp/RA-V-Trop-Cyc-Com.html">http://www.wmo.int/pages/prog/www/tcp/RA-V-Trop-Cyc-Com.html</a>	WMO Regional Association V - Tropical Cyclone Committee for the South Pacific and Sou		*Wind	*Ocean surface wi	*Precipitation
Expert Team	GHRST	<a href="https://www.ghrst.org/">https://www.ghrst.org/</a>	GHRST Group for High Resolution Sea Surface Temperature		*Sea surface temperature		
Expert Team	ESCAP/WMO	<a href="http://www.wmo.int/pages/prog/www/tcp/ESCAP-Typhoon-Com">http://www.wmo.int/pages/prog/www/tcp/ESCAP-Typhoon-Com</a>	ESCAP/WMO Typhoon Committee		*Wind	*Precipitation	*Ocean surface wind
Expert Team	ICTSW	<a href="http://www.wmo.int/pages/prog/sat/spaceweather-ictsw_en.php">http://www.wmo.int/pages/prog/sat/spaceweather-ictsw_en.php</a>	WMO Interprogramme Coordination Team on Space Weather		Space		
Expert Team	ESCAP/WMO	<a href="http://www.wmo.int/pages/prog/www/tcp/ESCAP-Trop-cyc-pane">http://www.wmo.int/pages/prog/www/tcp/ESCAP-Trop-cyc-pane</a>	ESCAP/WMO Panel on Tropical Cyclones		*Wind	*Ocean surface wi	*Precipitation
Expert Team	RA-I-TC	<a href="http://www.wmo.int/pages/prog/www/tcp/Committee-SW-Indian">http://www.wmo.int/pages/prog/www/tcp/Committee-SW-Indian</a>	WMO Regional Association I - Tropical Cyclone Committee for the South-West Indian Oce		*Wind	*Ocean surface wi	*Precipitation
Training material	COMET/M	<a href="https://www.meted.ucar.edu/training_module.php?id=1096#U6">https://www.meted.ucar.edu/training_module.php?id=1096#U6</a>	Basics of Visible and Infrared Remote Sensing		Basic Data & Imagery		
Training material	COMET/M	<a href="http://www.meted.ucar.edu/tropical/textbook_2nd_edition/navm">http://www.meted.ucar.edu/tropical/textbook_2nd_edition/navm</a>	Lightning Detection from Space		*Lightning		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/satmet/multispectral_topics/fire_w">https://www.meted.ucar.edu/satmet/multispectral_topics/fire_w</a>	Multispectral Satellite Applications: Monitoring the Wildland Fire Cycle, 2nd Edition		*Fire		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/asmet/so_africa/navmenu.php">https://www.meted.ucar.edu/asmet/so_africa/navmenu.php</a>	Satellite Precipitation Products for Hydrological Management in Africa		*Inland water and floodi	*Precipitation	*Soil moisture
Training material	COMET/M	<a href="https://www.meted.ucar.edu/volcanic_ash/tools/navmenu.php">https://www.meted.ucar.edu/volcanic_ash/tools/navmenu.php</a>	Volcanic Ash: Observation Tool and Dispersion Model		*Aerosol		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/tropical/textbook_2nd_edition/table">https://www.meted.ucar.edu/tropical/textbook_2nd_edition/table</a>	Introduction to Tropical Meteorology		*Ocean surface wind	*Precipitation	*Temperature
Training material	COMET/M	<a href="https://www.meted.ucar.edu/bom/tropical_intensiv/references.h">https://www.meted.ucar.edu/bom/tropical_intensiv/references.h</a>	Tropical Cyclone Intensity Analysis		*Ocean surface wind	*Precipitation	*Temperature
Training material	COMET/M	<a href="http://www.meted.ucar.edu/satmet/climate_monitoring/navmenu">http://www.meted.ucar.edu/satmet/climate_monitoring/navmenu</a>	Monitoring the Climate System with Satellites				
Training material	COMET/M	<a href="https://www.meted.ucar.edu/training_module.php?id=1016&amp;tab">https://www.meted.ucar.edu/training_module.php?id=1016&amp;tab</a>	How Satellite Observations Impact NWP		*Wind	*Radiation	
Training material	COMET/M	<a href="https://www.meted.ucar.edu/fog_int/navmenu.php?tab=1&amp;page">https://www.meted.ucar.edu/fog_int/navmenu.php?tab=1&amp;page</a>	Fog: Its Processes and Impact on Aviation and Aviation Forecasting		*Fog		
Training material	COMET/M	<a href="http://www.meted.ucar.edu/EUMETSAT/at_dust/navmenu.php?">http://www.meted.ucar.edu/EUMETSAT/at_dust/navmenu.php?</a>	Atmospheric Dust		*Aerosol		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/satmet/hyperspectral/sounding_be">https://www.meted.ucar.edu/satmet/hyperspectral/sounding_be</a>	Advanced Satellite Sounding: The benefits of Hyperspectral Observation		*Temperature	*Temperature	*Trace gases
Training material	COMET/E	<a href="http://www.meted.ucar.edu/EUMETSAT/jason/navmenu.php?">http://www.meted.ucar.edu/EUMETSAT/jason/navmenu.php?</a>	JASON-2: Using Satellite Altimetry to Monitor the Ocean		*Sea surface height		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/satmet/multispectral_topics/rgb/">https://www.meted.ucar.edu/satmet/multispectral_topics/rgb/</a>	Multispectral Satellite Applications: RGB Pro	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Basic Data & Imagery		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/norlat/sat_features/3dvw/">https://www.meted.ucar.edu/norlat/sat_features/3dvw/</a>	Inferring Three dimensions from Water Vapor	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Temperature and Humidity		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/satmet/dnb/">https://www.meted.ucar.edu/satmet/dnb/</a>	Advances in Space-based Nighttime Visible	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Basic Data & Imagery		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/npoess/microwave_topics/clouds">https://www.meted.ucar.edu/npoess/microwave_topics/clouds</a>	Clouds, Precipitation, and Water Vapor	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Temperature and Humi	*Clouds	*Precipitation
Training material	COMET/M	<a href="https://www.meted.ucar.edu/goes_r/qlm/">https://www.meted.ucar.edu/goes_r/qlm/</a>	GOES-R GLM: Introduction to the Geostation	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Lightning		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/mesoprim/dust/">https://www.meted.ucar.edu/mesoprim/dust/</a>	Forecasting Dust Storms, Version 2	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Wind	*Aerosol	
Training material	COMET/E	<a href="https://www.meted.ucar.edu/EUMETSAT/atmos_comp/">https://www.meted.ucar.edu/EUMETSAT/atmos_comp/</a>	Satellite Monitoring of Atmospheric Composi	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Trace Gases	*Aerosol	
Training material	COMET/M	<a href="https://meted.ucar.edu/satmet/microwave_topics/land_ocean_v">https://meted.ucar.edu/satmet/microwave_topics/land_ocean_v</a>	Microwave Remote Sensing: Land and Ocea	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Land	*Ocean	*Precipitation
Training material	COMET/M	<a href="https://www.meted.ucar.edu/npoess/ocean_winds/">https://www.meted.ucar.edu/npoess/ocean_winds/</a>	Advances in Microwave Remote Sensing: O	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Ocean surface wind		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/oceans/seaice/">https://www.meted.ucar.edu/oceans/seaice/</a>	Sea Ice and Products and Services of the US	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Sea ice		
Training material	COMET/M	<a href="https://www.meted.ucar.edu/training_course.php?id=15">https://www.meted.ucar.edu/training_course.php?id=15</a>	Microwave Remote Sensing Topics Distance	<b>NEW ENTRY (agreed at Aug 2015 Call)</b>	*Basic Data & Imagery		
Training material	EUMETRA	<a href="http://www.eumetrain.org/data/3/306/index.htm">http://www.eumetrain.org/data/3/306/index.htm</a>	EUMETRAIN Water Vapour Imagery Pallet		*Clouds		
Training material	EUMETRA	<a href="http://www.eumetrain.org/resources/monitoring_vegetation.htm">http://www.eumetrain.org/resources/monitoring_vegetation.htm</a>	EUMETRAIN Monitoring Vegetation from Space		*Vegetation		
Training material	EUMETRA	<a href="http://www.eumetrain.org/resources/volcanic_ash.html">http://www.eumetrain.org/resources/volcanic_ash.html</a>	EUMETRAIN Monitoring Volcanic Ash		*Aerosol		
Training material	COMET/E	<a href="http://www.eumetrain.org/resources/detection_dust.html">http://www.eumetrain.org/resources/detection_dust.html</a>	EUMETRAIN Vertical Detection of Dust with MSG		*Aerosol		
Training material	EUMETRA	<a href="http://www.eumetrain.org/resources/forest_fires.html">http://www.eumetrain.org/resources/forest_fires.html</a>	EUMETRAIN Forest Fires		*Fire		
Training material	EUMETRA	<a href="http://www.eumetrain.org/resources/operational_use_rgb.html">http://www.eumetrain.org/resources/operational_use_rgb.html</a>	EUMETRAIN Operational use of RGBs		*Snow	*Trace gases	*Aerosol
Training material	EUMETRA	<a href="http://eumetrain.org/RGBguide/rqbs.html?page=1&amp;sat=1&amp;rgb=">http://eumetrain.org/RGBguide/rqbs.html?page=1&amp;sat=1&amp;rgb=</a>	EUMETRAIN RGB Colour Interpretation Guide		Basic Data & Imagery		
Training material	EUMETRA	<a href="http://eumetrain.org/data/2/213/213.html">http://eumetrain.org/data/2/213/213.html</a>	LSA SAF Land Applications		*Land surface temperat	*Vegetation	
Training material	EUMETRA	<a href="http://eumetrain.org/data/2/215/215.html">http://eumetrain.org/data/2/215/215.html</a>	OSI SAF Sea Ice Applications		*Sea ice		
Training material	EUMETRA	<a href="http://eumetrain.org/data/2/216/216.html">http://eumetrain.org/data/2/216/216.html</a>	OSI SAF wind products and services		*Wind		
Training material	NOAA SW	<a href="http://www.swpc.noaa.gov/info/iono.pdf">http://www.swpc.noaa.gov/info/iono.pdf</a>	"Ionosphere" Short Reference Papers at NOAA SWPC		*Ionospheric		
Training material	JMA	<a href="http://www.data.jma.go.jp/mcweb/en/VRL/VR_Lab_RGB/RGBimg">http://www.data.jma.go.jp/mcweb/en/VRL/VR_Lab_RGB/RGBimg</a>	Himawari RGB Training Library	<b>NEW ENTRY</b>	Basic Data & Imagery		

Nov 1, 2015 - Feb 21, 2016

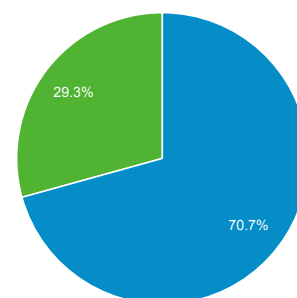
# Audience Overview

All Sessions  
100.00%

## Overview



■ New Visitor ■ Returning Visitor



Language	Sessions	% Sessions
1. en-us	145	37.28%
2. ru	41	10.54%
3. ru-ru	39	10.03%
4. en-gb	27	6.94%
5. ja	20	5.14%
6. de	15	3.86%
7. ko	13	3.34%
8. es	12	3.08%
9. fr	11	2.83%
10. zh-cn	8	2.06%

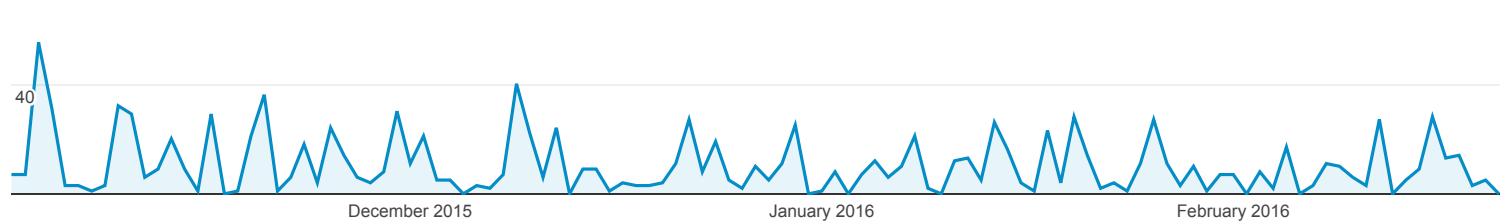
Nov 1, 2015 - Feb 21, 2016

# Overview

All Sessions  
100.00%

## Overview

Pageviews



Pageviews  
**1,181**



Unique Pageviews  
**812**



Avg. Time on Page  
**00:01:10**



Bounce Rate  
**42.67%**



% Exit  
**32.94%**



Page	Pageviews	% Pageviews
1. <a href="/product-access-guide/theme/space-weather">/product-access-guide/theme/space-weather</a>	239	20.24%
2. <a href="/product-access-guide/">/product-access-guide/</a>	188	15.92%
3. <a href="/product-access-guide/domain/space">/product-access-guide/domain/space</a>	76	6.44%
4. <a href="/product-access-guide/domain">/product-access-guide/domain</a>	73	6.18%
5. <a href="/product-access-guide/domain/atmosphere">/product-access-guide/domain/atmosphere</a>	43	3.64%
6. <a href="/product-access-guide/advanced-search">/product-access-guide/advanced-search</a>	40	3.39%
7. <a href="/product-access-guide/domain/basic-data-and-imagery">/product-access-guide/domain/basic-data-and-imagery</a>	35	2.96%
8. <a href="/product-access-guide/domain/land">/product-access-guide/domain/land</a>	23	1.95%
9. <a href="/product-access-guide/domain/atmosphere/precipitation">/product-access-guide/domain/atmosphere/precipitation</a>	21	1.78%
10. <a href="/product-access-guide/theme/cryosphere">/product-access-guide/theme/cryosphere</a>	21	1.78%