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METEOROLOGICAL  
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# IPET-SUP5

Region VI summary of Data Exchange and Dissemination

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# New satellite data

- Meteosat services
  - Nominal configuration: Met-11 took over 0 degree service; Met-10 taking RSS; Met-9 operating as backup; Met-8 IODC
- Metop-C
  - Final stages of in-orbit satellite verification and cal/val underway
  - Will start operations in Tri-star formation with Metop-A and -B
- Sentinel-3B
  - Operational ramp-up commencing and data being made available to all users
  - Operating Sentinel-3A and -3B fulfil the mission requirements with near global coverage for the optical sensors

# New satellite data

- Himawari-8 providing a 10-min service (2km)
- GOES-E (16) 15-min (2km)
- GOES-W (17) transition ongoing 30-min (2km)
  - NB. Users had to transition from GOES-15 LRIT to GOES-15 NetCDF in January
- SNPP polar service now being complemented with JPSS data
  - JPSS will soon be included in EARS regional service
- FY-2H will replace FY-2E service (currently awaiting FY-2H data)
- FY-4 data service to come, GIIIRS test data now available
- TANSAT ACGS data available with CAPI data to follow
- Sentinel-5P L2 data expected mid-2019
- Aeolus data is now available to Cal/Val partners

# Data Access Evolutions

- Pathfinder Projects on new Data Services successfully concluded end 2018:
  - Online Data Access
  - Licenced EUMETView (with WCS, WFS)
  - Product customization toolbox
  - Hosted processing environment
  - EUMETCast Terrestrial
  - SAF project (demonstrating the integration of services)
- Transition to pilot services (first service baseline) in 2019
  - EUMETSAT Council approved a way forward for the operational ramp-up of the agreed new services including extended access to a wider audience
  - EUMETSAT Council agreed to a 2-yr pilot European Weather Cloud project in collaboration with ECMWF

# Evolution of EUMETSAT Data Policy

- EUMETSAT has revised its data policy to facilitate online access to its data and products based on simplified licensing conditions, and to offer more data free of charge or at a lower price
- Most of the changes relate to the licensing conditions for image data from Meteosat satellites. For data services for which a licence is required, the process has been streamlined and costs to users reduced
- Hourly image data will no longer be subject to licensing, and full-resolution imagery at 15 minutes intervals is available free of charge, three hours after sensing

# Training events RA VI in 2018

<b>Date</b>	<b>Location</b>	<b>Event</b>	<b>Focus</b>
15-26 Jan Online 5-9 Feb Classroom	Hamburg, Germany	Using the Copernicus Marine Data Stream for Ocean Applications	Copernicus marine data in ocean models and for operational applications
20-22 March	Riga, Latvia	Baltic+	Application of EUMETSAT data for severe weather forecasting in the Baltic States
9-13 April	Helsinki, Finland	Nordic Meteorological Competency Training Course (NOMEK)	Severe weather forecasting in the Nordic region, integrating MSG into applications
16-20 April	Riga, Latvia	Using the Copernicus Marine Data Stream for Ocean Applications	Application of altimeter, ocean colour and SST products using SNAP and QGIS for early career researchers
17-19 April	Ljubljana, Slovenia	Convection Working Group (CWG) meeting	Meeting on research to operations in satellite applications for severe storm forecasting

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7-11 May	Primosten, Croatia	South Eastern Europe Meteorological Training (SEEMET) Advanced Satellite Meteorology course	Satellite image interpretation for application in operational weather forecasting
14-18 May	Riga, Latvia	Workshop on the Use of Gridded Satellite Data for Climate Services	Using the CM SAF data set, products and tools for national climate services
4-8 June	Lisbon, Portugal	Operational Marine Forecasting using EUMETSAT's Copernicus Marine Data Stream	Sea state forecasting using Sentinel and EUMETSAT contributing mission products in European waters.
11-20 June	Bracciano, Italy	International Summer School on Applications with the Newest Multi-Spectral Environmental Satellites	Focus on the explanation of methods and techniques used to extract information from environmental satellite data, with emphasis on the latest measuring technologies.
24-28 Sep	Thessaloniki, Greece	Autumn School on the on the use of satellite data and products for severe weather nowcasting	Using processes, principles and practices, tools and products for nowcasting and short-range forecasting severe weather such as storms, deep cyclones, severe precipitation, heat waves and droughts, based on meteorological satellite data.



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22-25 Oct	EUMETSAT	Training course on the use of satellite products for drought monitoring and agro-meteorological applications	Using satellite products provided by EUMETSAT, ESA, Roshydromet, and other agencies among RA II and RA VI agro meteorologists and water managers.
13-16 Nov	Rome, Italy	International remote sensing school for hydrological applications- H-SAF Products Applications Soil Moisture for Hydrological Risk Management	Promoting the usage of H SAF products' portfolio in an operational context.
11-13 Dec	Helsinki, Finland	Workshop on Meteorological Simulators	Designing the storyboard for a simulator, retrieving and editing the required data for the case and assembling the data using a meteorological Simulator authoring tool.

# Wider RAVI & RAI Users

- Upcoming information days with RA VI and RAI Users (within the footprint of EUMETCast Europe)
  - Skopje, North Macedonia 13-14 March
  - Astana, Kazakhstan 10-11 April
- Session will focus on the current satellite services and reception station upgrades:
  - Support for new hardware (DAWBEE upgrade) in 2019
  - Updates to the software provided by Slovak Hydrometeorological Institute (SHMI)
- To initiate discussions on transition to the next generation Meteosat services (in particular for SEEMET group)

# Summary

- On going data updates & replacement of old services with new generation satellites (e.g. GOES-17, Himawari-8, FY-4)
- New application data progressively being added to EUMETCast (e.g. space weather, atmospheric composition)
- User preparation for next generation Meteosat services is underway (see separate presentation)
- Ongoing enhancements to address big data access – close out of Pathfinder Projects (end 2018) and transition to pilot services in 2019.