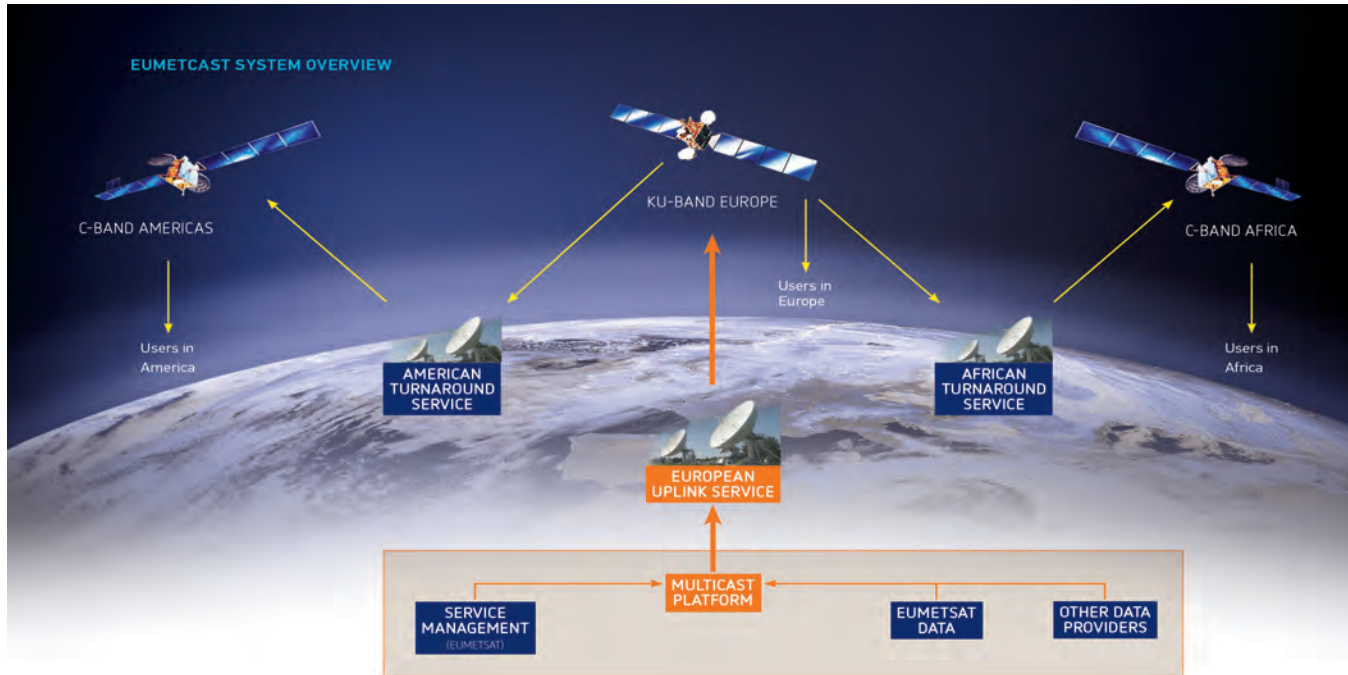


# EUETCAST AFRICA OVERVIEW



# EUMETCast System Overview



## Key Features:

**Off-the-shelf, commercially available DVB reception components**

**One-stop-shop many data streams via one station**

**Secure delivery – multicast to a specific user, or group of users**

**Handling many file formats, high and low volume data and supporting high-timeliness delivery requirements**

**Worldwide coverage through GEONETCast partnership**

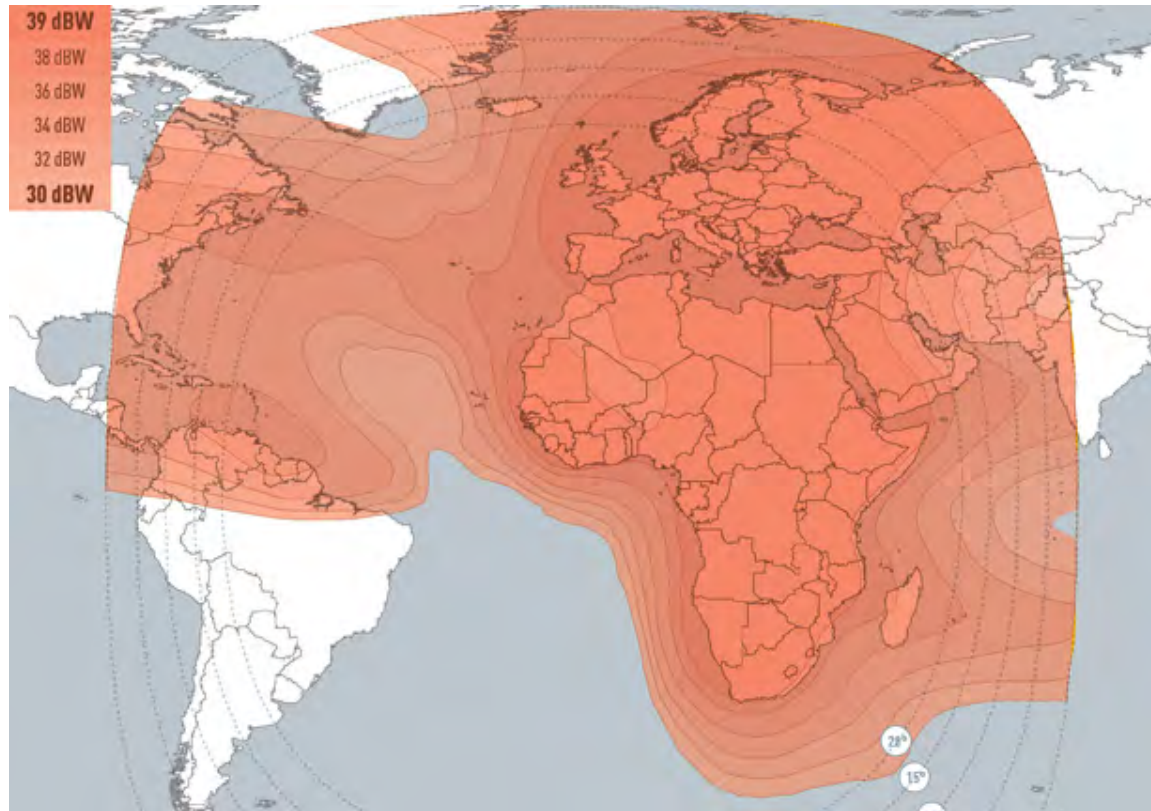
### Net Bandwidth July 2014:

- 21.5 Mbps EUMETCast-Europe
- 2.55 Mbps EUMETCast-Africa
- 1.8 Mbps EUMETCast-Americas

### Service Status July 2014:

- 40 Data Providers
- 317 Different Data Collections

# EUMETCast Africa Service



## EUMETCast Americas:

**Telecommunications satellite: EUTELSAT 5° West**

**Current service until: Mid-2015 (+ 3yr extension options)**

**Number of data collections: 228**

**Number of users:**

- NMHS : 62
- Others : 172

**Net data rate: 2.55 Mbps (limited free bandwidth available)**

**Full contents of the data stream is included in the Product Navigator:**  
<http://navigator.eumetsat.int/>



# EUMETCast Training Channel for Africa

The screenshot shows the EUMETSAT Training Channel website. At the top, the EUMETSAT logo is on the left, the tagline 'MONITORING WEATHER AND CLIMATE FROM SPACE' is in the center, and the GEONETCast logo is on the right. Below this is a blue banner with the text 'TRAINING CHANNEL'. The main content area is divided into two columns. The left column has a section titled 'HOW TO USE THE TRAINING CHANNEL' with a sub-header 'THE EUMETSAT TRAINING CHANNEL WILL BE USED TO DISSEMINATE TRAINING MATERIAL VIA EUMETCAST'. Below this is a paragraph explaining the pilot project and a small image of a person at a computer. The right column has a 'CONTENT' menu with links to 'HOME', 'EPORT', 'MODULES', and 'SOFTWARE'. Below the menu is a 'Training material' section with three items: 'EPORT' (with an image of a computer monitor), 'MODULES' (with an image of puzzle pieces), and 'SOFTWARE' (with an image of CD/DVDs). Each item has a brief description. At the bottom, there is a 'CONTACT US' link with the email 'OPS@EUMETSAT.INT'.

**EUMETSAT** MONITORING WEATHER AND CLIMATE FROM SPACE **GEONETCast**

## TRAINING CHANNEL

### HOW TO USE THE TRAINING CHANNEL

**THE EUMETSAT TRAINING CHANNEL WILL BE USED TO DISSEMINATE TRAINING MATERIAL VIA EUMETCAST**

EUMETSAT is trialing the dissemination of training material via EUMETCast. The disseminated material includes a home page or portal to make it easier to navigate through the material, learning module examples, training data (such as ePort) and data exploration tools (such as McIDAS). The purpose of the pilot is to show what the training channel can look like and to stimulate discussion amongst users and providers about how it should look in the near future.



### CONTENT


- HOME
- EPORT
- MODULES
- SOFTWARE

### Training material



**EPORT**

ePort is a product of EUMeTrain and NMHs in Europe, Africa and the Middle East. Visualised data and products are available for training.



**MODULES**

Training modules available through the training channel.



**SOFTWARE**

Access training software.

CONTACT US: OPS@EUMETSAT.INT

## Key facts:

- Improves access to training material - especially where Internet connectivity is limited
- Places training material with the data
- It is available for use by Third-Party data suppliers too
- Pilot service targeted towards EUMETCast-Africa users started in early 2014
- Training Channel will be made available for use by the EU/AUC MESA project
- Feedback on suggested usage is welcome.

# Regional Requirements Gathering in WMO RA-I

- All WMO RA-I members have access to near real-time satellite data through the EUMETCast Africa service;
- WMO RA-I Dissemination Expert Group (RAIDEG) is the prime focal point for data access requirements within the African continent;
- RAIDEG regularly reviews the contents of the EUMETCast Africa service and identifies new or obsolete product requirements;
- EUMETSAT maintains the requirements table which records new data requirements identified by RAIDEG;
- This activity is in line with similar approaches adopted/being adopted in other WMO RAs.

# Data Reception Issues for WMO RA-I

- Limited bandwidth on the current service, constrains access new data sets;
- Reception station processing/display software needs to be kept up-to-date with the changes made to products;
- Financial support through an EU funded project (MESA) is securing an upgrade during the 2015-2016 timeframe;
- High-volume data from the next generation geostationary satellites may mean users have to:
  - refine their requirements for Level 1 data
  - look to alternative ways to display parameters (e.g. WMS)