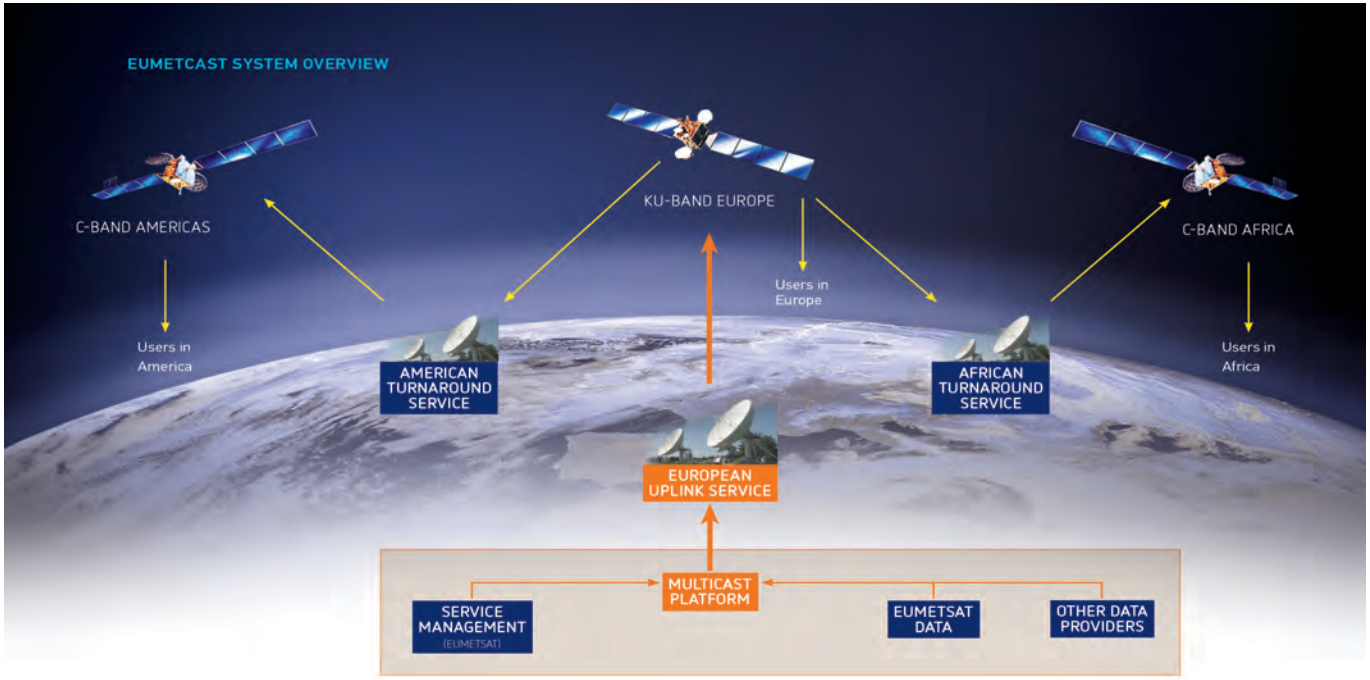
EUETCAST AFRICA OVERVIEW

EUMETSAT

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

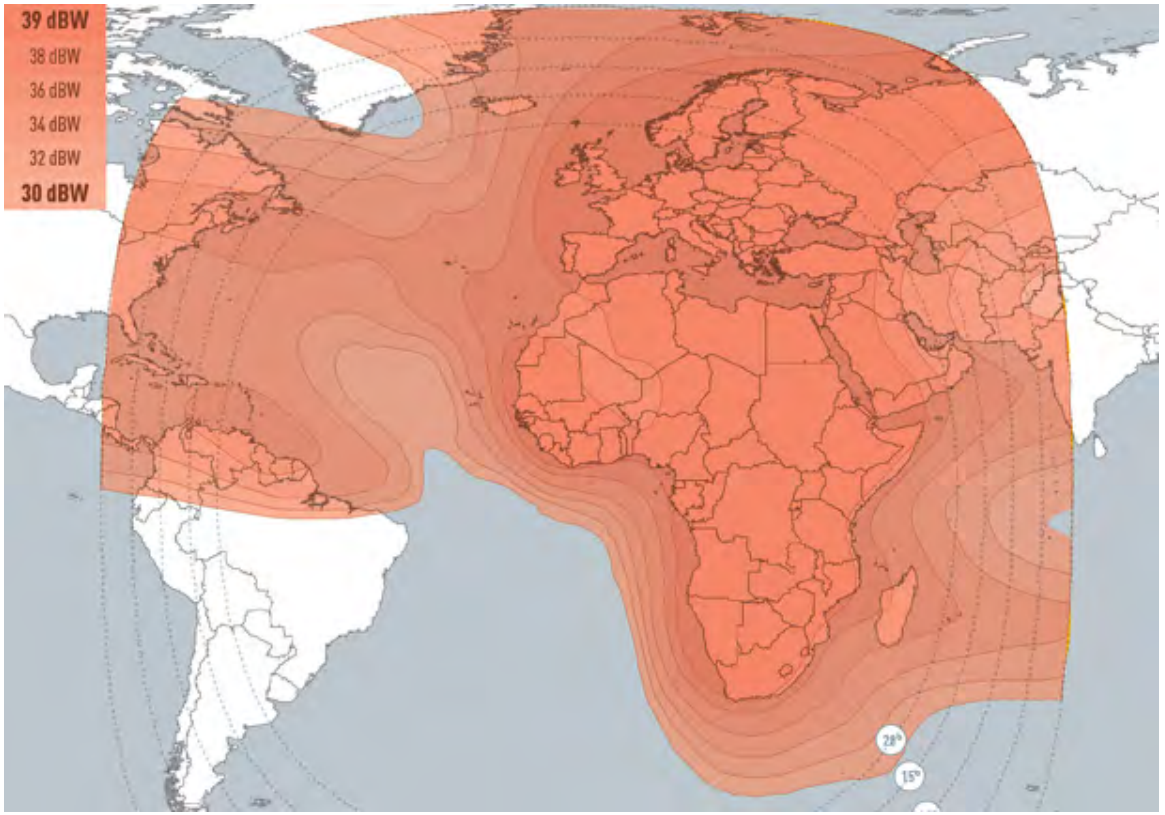
Net Bandwidth July 2014:

- **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



EUMECast 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

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)