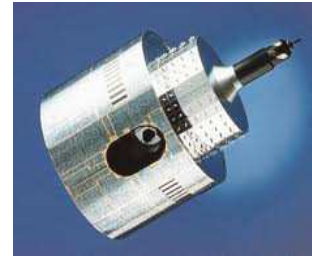


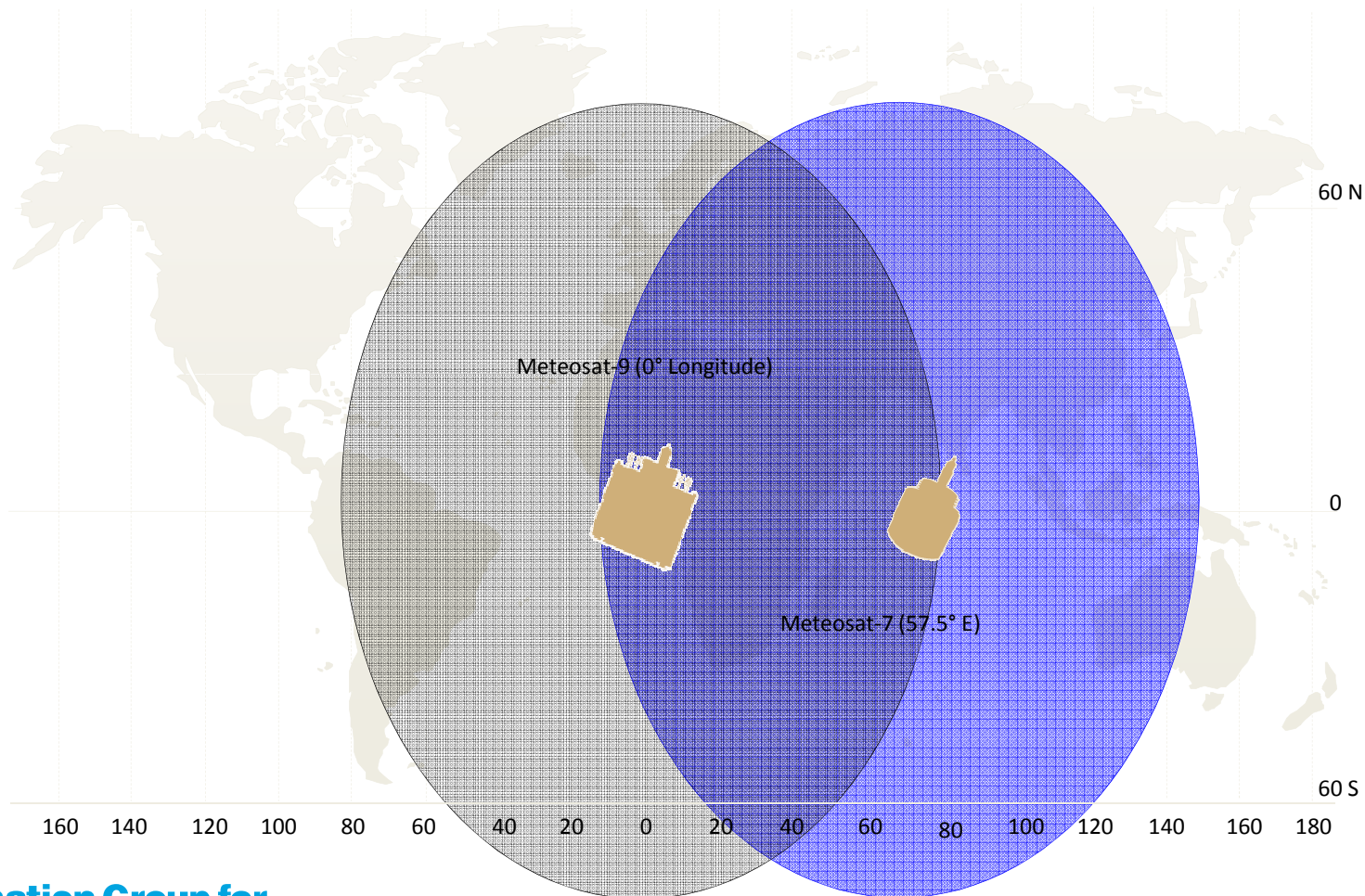
Overview

- EUMETSAT Data Collection System

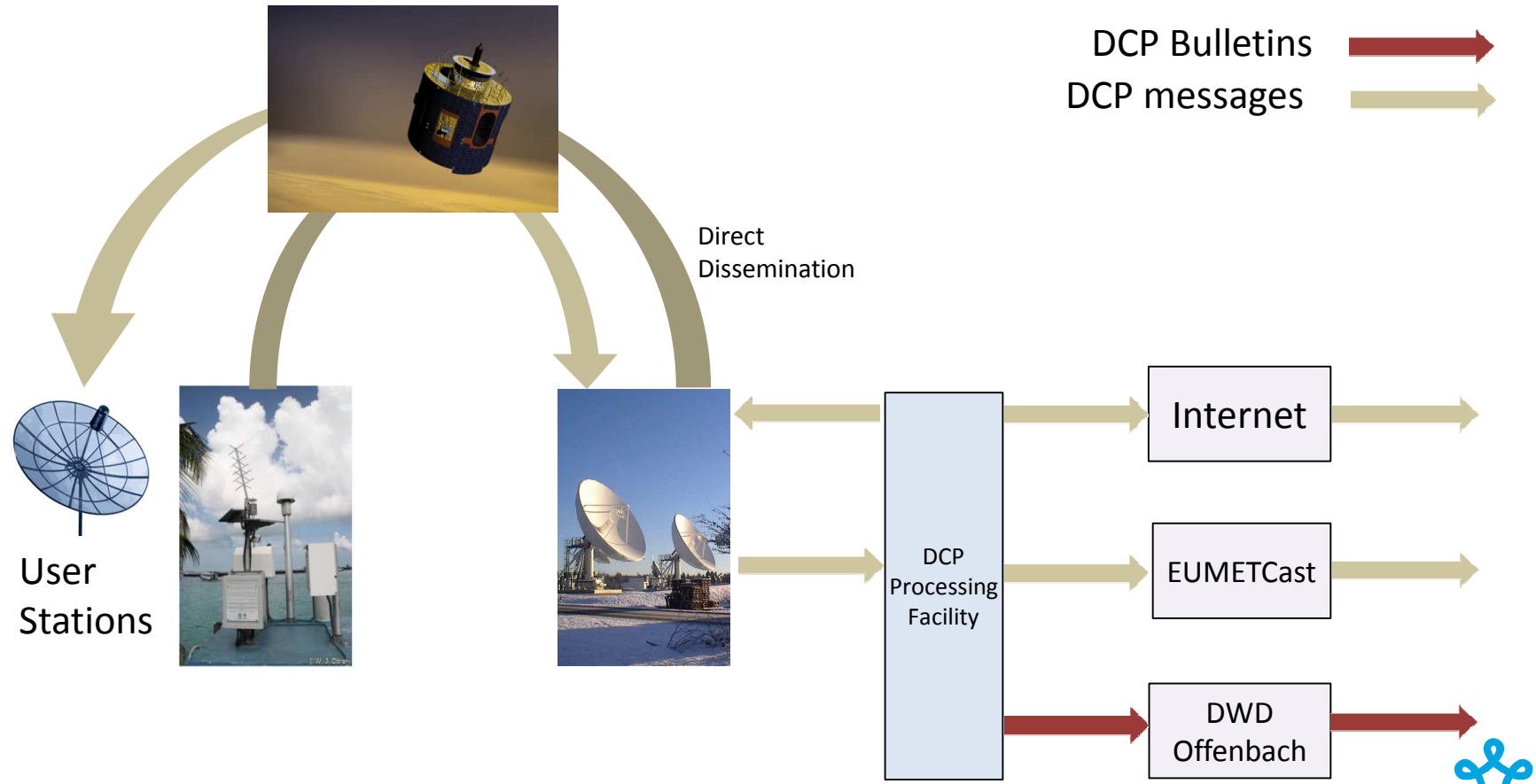


- Harmonisation of Global Data Systems

Meteosat DCS System Coverage



DCS System Overview – DCP Data Flows



DCS – Users (approximately)

- Number of Operators – **132**
- Number of Countries – **72** (Europe, Africa, Asia)
- Number of allocated Regional DCPs – **1146**
- Number of DCPs transmitting – **762**



**Coordination Group for
Meteorological Satellites**



EUMETSAT Data Collection System

- The current Meteosat system employs 100bps 'Standard' Rate DCPs
- The capability for receiving, processing, and disseminating High Rate DCPs, 1200 bps, was recently introduced for the 0° Meteosat Second Generation Satellites, and also for 57.5° for Meteosat First Generation (this will continue until the end of 2016)
- The target availability of the DCS is specified as better than 98%. This means that users can expect that 98% or more of the messages transmitted by their DCP will be successfully received, processed and distributed in any given calendar month
- Both Standard and High Rate will be supported for the foreseeable future

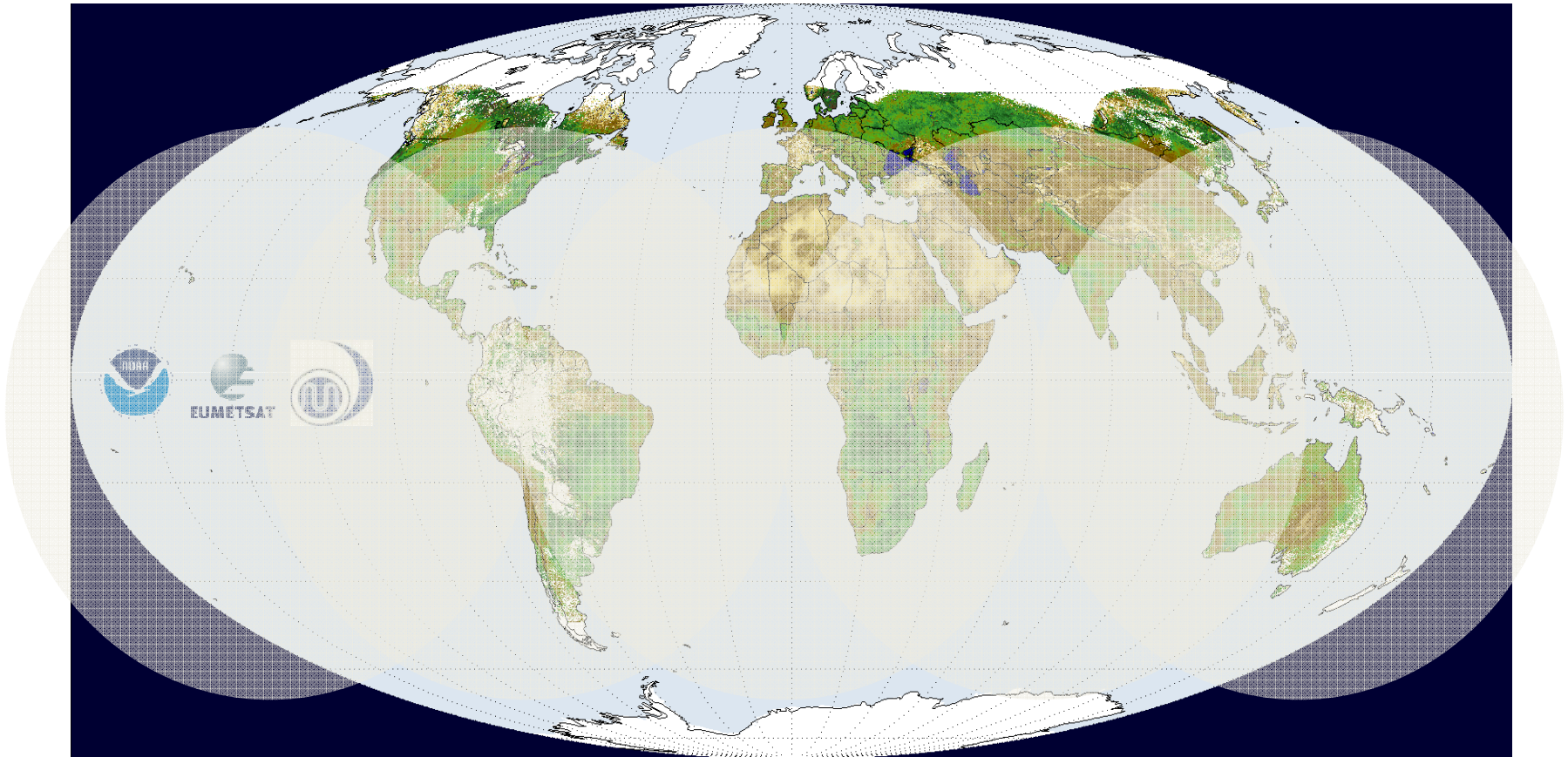
International Channels Usage

- Referring to CGMS-42 EUM-WP-26 – Roadmap for the future provision of Indian Ocean Data Converge (IODC) services. It is clear that the remaining International Channels utilised by Meteosat-7 should remain in place until an alternative to the DCS provided by Meteosat-7 is in place.
- The International channels bandwidth is the only bandwidth currently available of ‘non-regional’ users i.e. outside of the CGMS members bandwidth that is reserved for most cases for regional use only.
- This topic should be revisited at each CGMS meeting, until a long-term alternative to the current Meteosat-7 DCS is decided.

Harmonisation of Global Data Collection Systems

- Data Collection Systems (DCS) are operated by:
 - EUMETSAT – Meteosat satellites
 - NOAA (USA) – GOES satellites
 - Japanese Meteorological Agency (JMA) – MTSAT
- These DCS are coordinated by the Coordination Group for Meteorological Satellites (CGMS)
- DCS Systems are also operated by:
 - Chinese Meteorological Administration (CMA) – Fen Yung
 - Indian Space Research Organisation (ISRO) – INSAT
 - Roshydromet (Russia) – GOMS satellite Elektro L N1

CGMS DCS Systems – Global Coverage



SATCOM Forum

- The International Forum of users of satellite data telecommunication systems is an entirely self-funded body jointly sponsored by the World Meteorological Organization (WMO) and the Intergovernmental Oceanographic Commission (IOC) of UNESCO, of the United Nations in the view to address the requirements of these two Organizations for the timely collection of environment data from observing platforms.

SATCOM Forum

- The paper contains an extract from the Executive Summary from the Ad Hoc International Forum of users of satellite data telecommunication systems (SATCOM Forum) held on Paris, France, 3-4 October 2013
- Overall there was agreement that such a Forum would benefit the existing User Community, but could also provide a 'one-stop-shop' for new users who wish to collect data from remote sites

SATCOM Forum Draft Terms of Reference

- Provide proper coordination amongst the users of satellite data telecommunication systems and represents their collective interests in working with the satellite telecommunication service providers and the industry in order to advance the awareness and understanding of the user requirements;
- Advance the awareness and understanding of available and planned capabilities;
- Facilitate adoption of interoperability and quality standards and principles as needed;
- Investigate and propose as appropriate cooperative and tariff negotiation mechanisms on the use of satellite data telecommunication systems;
- Provide guidance to best meet user needs of each considered application;
- Report to the executive bodies of WMO and IOC through the Commission for Basic Systems (CBS), the Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology (JCOMM), and the GOOS Steering Committee respectively.

SATCOM Forum

- EUMETSAT (Sean Burns) is the CGMS representative to SATCOM
- It would be beneficial if CGMS partners could support each other with the aim to achieve a common approach on Data Collection Systems in view of the first SATCOM Forum

SATCOM Forum and CGMS

- It is proposed to collate all the current and CGMS DCS information, and gather further information – as outlined in the previous section, in a single ‘manual’ in preparation for the next Satcom Forum meeting.
- This information will be gathered during the CGMS-42 meeting and in subsequent bilateral discussions with CGMS partners
- The first Satcom Forum is planned for 2015

Thank-you!