



## COMPENDIUM OF CANADA'S ENGAGEMENT IN INTERNATIONAL ENVIRONMENTAL AGREEMENTS AND INSTRUMENTS

### *Memorandum of Understanding between the European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT) and the Department of the Environment and Climate Change of Canada on Long-term Co-operation in the fields of Meteorological Satellites, and Satellite Meteorology, Climate Monitoring from Space and Space Weather*

**SUBJECT CATEGORY:**

Meteorology

**TYPE OF AGREEMENT / INSTRUMENT:**

Bilateral

**FORM:**

Memorandum of Understanding

**STATUS:**

- Signed by Canada January 3 2017
- Ratified by Canada January 3 2017
- In force in Canada January 3 2017
- In force internationally January 3 2017
- Expiry Date or Renewal arrangements:  
Expiry January 3 2022

**LEAD & PARTNER DEPARTMENTS:**

**Lead:** *Environment and Climate Change Canada*

**Partners:** *Canadian Space Agency, Natural Resources Canada, Department of Fisheries and Oceans*

**FOR FURTHER INFORMATION:**

**Web Links:**

- <http://www.eumetsat.int/website/home/index.html>

**Contacts:**

[ECCC Inquiry Centre](#)

**COMPENDIUM EDITION:**

February 2017

#### PLAIN LANGUAGE SUMMARY

This agreement is the primary source of cooperation between Canada and European countries on satellites related to meteorology and climate monitoring. The Memorandum of Understanding between Canada and EUMETSAT allows both parties involved to work together on sharing scientific best practices, the sharing of data, and finding mutually beneficial areas where working together can improve the reliability of meteorological satellites and climate monitoring from space. The agreement helps to facilitate real-time data exchange, and provides a framework that allows for close collaboration at both the management level, as well as at the working level.

#### OBJECTIVE

The objective of this agreement is to provide a framework for cooperation in the fields of meteorological satellites, satellite meteorology and climate monitoring.

#### KEY ELEMENTS

Participants review opportunities for scientific exchange, acquisition and exchange of satellite data and products; cooperation in development of requirements and identification of opportunities to improve high latitude observations to support operational meteorology and climate monitoring and space weather; opportunities for Government of Canada contributions to EUMETSAT mission instruments; shared training materials; and other activities of mutual benefit.

#### EXPECTED RESULTS

This agreement is expected to provide a framework for stronger collaboration between the Government of Canada and EUMETSAT, particularly related to the exchange of meteorological satellite data.

#### CANADA'S INVOLVEMENT

This agreement is important to Canada because it facilitates open communication between Canada and EUMETSAT at both the management level and at the

working level. Additionally, it facilitates satellite data exchange activities, such as Canada's participation in EARS (EUMETSAT Advanced Retransmission Service) where Canada provides near-real time satellite data acquired over Canada from EUMETSAT's polar orbiting Metop satellites back to EUMETSAT and then benefits from access to global satellite data in return.

## **RESULTS / PROGRESS**

### ***Activities***

ECCC continues to provide retransmission of METOP satellite data to EUMETSAT via EARS.

METOP data is also fed through MSC's operational satellite data reception and processing system for input to ECCC's programmatic and scientific satellite data requirements.

### ***Reports***

No reports

### ***Results***

ECCC continues to successfully operate the EARS system to provide METOP data exchange with EUMETSAT.