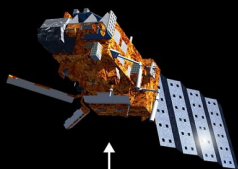


# The MetOp-C weather satellite

Designed and developed by Airbus for the European Space Agency (ESA) and the European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT), the polar orbiting MetOp A,B & C satellites provide meteorological data.

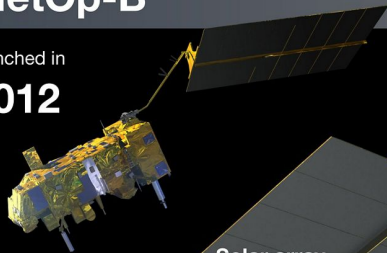
## MetOp-A

launched in  
**2006**



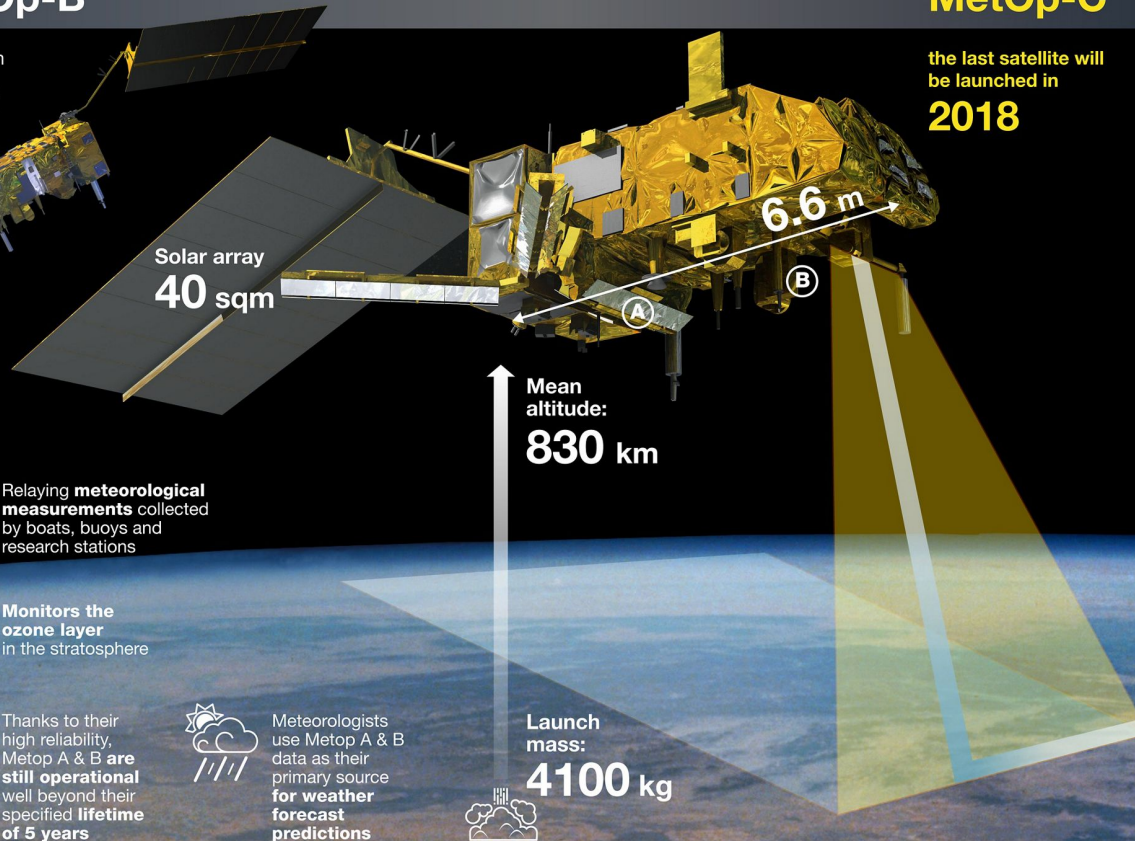
## MetOp-B

launched in  
**2012**



## MetOp-C

the last satellite will  
be launched in  
**2018**



## FUTURE

## MetOp-SG

will further increase the benefits of  
accurate weather prediction from  
**2021** onward

### MetOp functions:



Measures  
**ocean  
surface  
winds**



Relaying **meteorological  
measurements** collected  
by boats, buoys and  
research stations



Observes  
**sea ice  
distribution**



**Monitors the  
ozone layer**  
in the stratosphere



MetOp A and B  
also feature a  
receiver to relay  
**signals sent by  
persons in  
distress**



Thanks to their  
high reliability,  
Metop A & B **are  
still operational**  
well beyond their  
specified **lifetime  
of 5 years**



Meteorologists  
use Metop A & B  
data as their  
primary source  
**for weather  
forecast  
predictions**

### Facts:

Each satellite carries **12 complementary  
instruments (10 for MetOp-C)**. These comprise:



**Sounding**



**Imagery**



**Data collection**



**Ozone  
monitoring**



**Wind  
scatterometry**



**Humanitarian  
services**



**Space environment  
monitoring**

### 2 instruments built by Airbus:



**A** Advanced  
Scatterometer  
(ASCAT, wind  
measurements)



**B** The Microwave  
Humidity Sounder  
(MHS, water vapour  
measurement)

# AIRBUS