First phase at COMet in operational Space Weather

Lt.Col. Daniele BIRON
Centro Operativo per la Meteorologia
Space Weather Prediction Section, Head
Pratica di Mare
Contents:

• Introductory phase of Space Weather topic in Italian Air Force framework, years 2012-2015;

• initial steps in Space Weather at COMet, considering as end state what WMO and ICAO have already planned for the safety of air navigation.
2012 IAF started facing the Space Weather issue

The first public event on Space Weather information was a seminar sponsored by IAF and held September 18 2012, at Centro Alti Studi della Difesa in Rome. Already in that first moment, IAF promoted a multidisciplinary and multiagency approach to the topic, with possibly public-private effort, in order to reach in the coming years a proper approach towards the needs of air navigation safety.
2014 IAF forum on future scenario

In May 2011, the sixteenth World Meteorological Organization Congress recognized the importance of **Space Weather**, including this topic as one of the future mission of National Meteorological Services.

Having the responsibility to represent Italy within WMO, in October 2012 IAF joined the WMO (in coordination with ICAO) Space Weather initiative group: **Inter-programme Coordination Team on Space Weather (ICTSW)**.

IAF sponsored the WMO framework, that will serve as a basis for the future ICAO SW related services (Annex 3 to the ICAO Conv.) IAF has the responsibility for Italy as ICAO Meteorological Watch Office (SIGMET).
The WMO-ICAO way ahead

IAF in 2017 joined the renovated WMO-ICAO group: Inter-Programme Team on Space Weather Information Systems and Services (IPT-SWeISS). Goal: 2020 the start of SW services.
2015 IAF approaching the Space Weather topic

In mid-2015, with the reorganization of the Meteorological Service, the newly created “Centro Operativo per la Meteorologia” (COMet or “Operational Center for Meteorology”) based in Pratica di Mare, embedded for the first time a “Space Weather Prediction Section”.

COMet is one of the Operational Centers under the “9th Air Brigade ISTAR-EW”, (Intelligence, Surveillance, Target Acquisition and Reconnaissance - Electronic Warfare).
Space Weather Prediction Section at COMet

Currently the COMet SW Section has been focused in preparing dedicated concise information for tactical briefings, on call, collecting already available basic data from military and open source channels.
thanks for the kind attention

First phase at COMet
in operational Space Weather

Lt.Col. Daniele BIRON
Centro Operativo per la Meteorologia
Space Weather Prediction Section, Head
Pratica di Mare
daniele.biron@aeronautica.difesa.it