

Report on the EUMETSAT Meteorological Satellite Conference 2017 Rome, Italy 2-6 October

My name is Oleksandr Kryvoshein, I am working at the Satellite Application Laboratory of the Ukrainian Hydrometeorological Institute (UHMI). For our main activities (meteorology, hydrology, agriculture) we are using many different types of satellite data. For this reason, the participation in the annual EUMETSAT conferences is very important and useful for me to improve my knowledge of satellite data receiving, application, processing and assimilation.

The quality of the EUMETSAT Meteorological Satellite Conference 2017 held in Rome was excellent. It was organized by EUMETSAT and its co-host ITAF-MET and took place at the Roman film studios "Cinecitta", bringing together a lot of scientists and researchers from around the world. It was an opportunity for me to get acquainted with some of them and with their works which are state-of-the-art in the satellite meteorology, hydrology, climatology etc.

The conference was focused on the following sessions:

1. Current and future satellite programmes and instruments
2. New horizons for the Indian Ocean
3. Use of data from current and future satellites in very high-resolution NWP models
4. Atmospheric composition: recent advances in satellite products and applications
5. Marine environment monitoring: recent advances in satellite products and applications
6. Satellite data in support of operational hydrology and water resources management
7. Use of satellite data in climate monitoring
8. Next generation geostationary satellites

The most interesting sessions for me and my current work were 1, 4, 5, 6, and 8, especially the session 5. Here specific problems of satellite data processing were addressed (presentations of Hilary Wilson and Stephan Recher) which will help me in the future to improve the Sentinel data processing applied in my poster presentation on this conference. Also, very interesting for me were presentations of new Geostationary Operational Environmental Satellites-R (GOES-R), Sentinel-5, -6, Meteosat Third Generation (MTG) and Joint Polar Satellite System (JPSS), and of satellite applications to observe wind, water vapour, precipitation, sea and ice surface temperatures. Since the lightning detection system was installed in Ukraine in 2016, the presentations about Geostationary Lightning Mapper were useful to determine the advantages of our system. I listened to a lot of presentations related to soil moisture determination using ASCAT, Sentinel-1 and models which very useful for our crop growth monitoring system in Ukraine.

There was only one problem - the interesting presentations for me were often held at the same time or in different rooms with little time to change, so I always had to make a choice. Anyway, I have attended pretty much useful presentations improving my knowledge of different satellite data and approaches how to use them. This will be helpful for my future work.

I want to note the large number of posters presented at the conference which were very interesting and made even the coffee breaks fruitful. My work "Satellite monitoring of humic substances in Kyiv reservoir (Ukraine)" aroused great interest, especially after Lothar Schuller from EUMETSAT awarded me on behalf of EMS. In a little speech I mentioned that I came to the conference because having been selected for YSTA and invited all who wanted to learn more about my work to my poster board. So, on Thursday at the poster session many people visited my poster and I answered a lot of questions with pleasure. Many people approving my work said that it is very practical. Such positive responses from high-level scientists are the greatest reward for me.

So, I want to express gratitude to the European Meteorological Society which gave me the opportunity to participate in this conference.



Oleksandr Kryvoshein