Topic 5e - Practical Guide - Part 2: Downloading atmospheric composition data

Hi, my name is Mark Higgins, and welcome back to EUMETSAT. I'm just going to show you four websites of places where you can get images and data to help you explore some of the themes that we've been exploring in this course.

The first site I want to show you is from the EUMETSAT data center. Here, you can get hold of the Polar Multi-sensor Aerosol optical Properties products. This is what we've been calling PMAp. You will have learned a little bit about this in the course. If you want to know how to use the data center, and what to do with the data, there's a few videos available from the data center itself that will help you to do that.

Next site I want to show you is the AC SAF, the Atmospheric Composition SAF. From here, you can get things like the trace gas columns, the ozone profiles, aerosol, and UV information. They've got their whole data record there, and some of their real time data as well. You'll need to register to get access to the data, but they're really quick in responding and getting your log in back to you.

The third sight of interest is the CAMS site itself. So this is the Copernicus Atmospheric Monitoring service. All of these observations are used in the modeling process. And from here, you can get the model data itself. So you can look at the forecasts for aerosols and carbon monoxide.

The fourth site I want to show you is the Sentinel-5 pre-operational data. So this is available from the open access hub that is run by ESA. So you can select the area of interest to you, and then download the data that you're particularly interested in. This data is available in netCDF. And if you want how to view the netCDF data, and what you can do with it, you can have a look at the netCDF video.

Now, I've had to show you four sites to get hold of these different datasets, and we recognize that's a challenge. So we're working with Copernicus Marine Service, the Atmosphere Service, the Climate Service, ECMWF, Mercator Océan, and trying to bring all these data so they're accessible from the one place. And that's what the Wekeo project is all about.

So we're going to tell you more about that during the course of the course, about what we're doing to make the data more easily available. But for now, have a look at those four sites and enjoy exploring the data.