

Migration of European air quality WMS products

New service endpoint

A selection of the CAMS European air quality ensemble surface forecast layers from the new WMS server (apps.ecmwf.int) can be found here:

<https://apps.ecmwf.int/wms/?token=public&request=GetCapabilities&version=1.3.0>

Layer names

European air quality forecast layers are named as:

```
composition_europe_<VARIABLE>_forecast_surface
```

The table lists the available layers and the corresponding legacy layer names:

legacy layer name	new layer name
BIRCHPOLLEN__GROUND_OR_WATER_SURFACE	composition_europe_pol_birch_forecast_surface
CO__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_co_forecast_surface
DUST__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_dust_forecast_surface
EC_FF__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_ec_ff_forecast_surface
EC_WB__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_ec_wb_forecast_surface
GRASSPOLLEN__GROUND_OR_WATER_SURFACE	composition_europe_pol_grass_forecast_surface
NH3__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_nh3_forecast_surface
NMVOC__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_nmvoc_forecast_surface
NO2__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_no2_forecast_surface
NO__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_no_forecast_surface
O3__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_o3_forecast_surface
OLIVEPOLLEN__GROUND_OR_WATER_SURFACE	composition_europe_pol_olive_forecast_surface
PANS__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_pans_forecast_surface
PM10__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_pm10_forecast_surface
PM25__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_pm2p5_forecast_surface
PM_WF_USI__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_pm_wf_forecast_surface
RAGWEED__GROUND_OR_WATER_SURFACE	composition_europe_pol_ragw_forecast_surface
SIA__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_sia_forecast_surface
SO2__SPECIFIC_HEIGHT_LEVEL_ABOVE_GROUND	composition_europe_so2_forecast_surface

Other information

Here is a sample request:

https://apps.ecmwf.int/wms/?service=wms&VERSION=1.3.0&token=public&LAYERS=composition_europe_pol_birch_forecast_surface&FORMAT=image/png&REQUEST=GetMap&CRS=EPSG:4326&BBOX=30.05,-24.95,71.95,44.95&WIDTH=810&HEIGHT=495

and gallery of all the available layers:

[CAMS European air quality forecast WMS gallery](#)

A few points:

- based on usage statistics initially only hourly ensemble surface forecast fields are available

- to ease the migration, legacy layer names are encoded in a layer metadata of the GetCapabilities response as "legacy name: OLD_NAME" keyword
- the default styles and the style names are the same as before the migration