

AirBase - Exchange of information - maps methodology

David Simoens, EEA, May 2013

Location and concentration maps were created using AirBase version7 as data source:
<http://www.eea.europa.eu/data-and-maps/data/airbase-the-european-air-quality-database-7>

Two tables have been used: Airbase_v7_station and Airbase_v7_statistic, both are available for download and documented at the URL mentioned above.

- Location maps: location of stations for which 2011 air quality data for components O3, PM10, NO2, SO2, C6H6, PM2.5, Pb and CO have been reported.
Distinction is shown if stations report a component for the first time or not.

SQL query used:

```

select Airbase_v7_station.station_european_code,
'station_classification'=
Case
when Airbase_v7_station.type_of_station='Traffic' then 'Traffic'
when Airbase_v7_station.type_of_station='Background' and (Airbase_v7_station.station_type_of_area='Suburban' or
Airbase_v7_station.station_type_of_area='Urban') then 'Urban'
when Airbase_v7_station.type_of_station='Background' and Airbase_v7_station.station_type_of_area='Rural' then 'Rural'
else 'Other'
end,
component_code,component_caption,component_name,station_longitude_deg,station_latitude_deg,station_legend from
Airbase_v7_station
inner join
(select station_european_code,component_code,component_caption,component_name,'Station reporting this
component for the first time in 2011' as station_legend,count(distinct statistics_year) as CountDistinctYear from
Airbase_v7_statistic
where component_code in
(*SO2*/'1',/*NO2*/'8',/*PM10*/'5',/*PM2.5*/'6001',/*Pb*/'12',/*Pb*/'5012',/*CO*/'10',/*C6H6*/'20',/*O3*/'7')
group by station_european_code,component_code,component_caption,component_name
having count(distinct statistics_year)=1 and max(statistics_year)=2011
union
select station_european_code,component_code,component_caption,component_name,'Station reporting this component
for 2011 but not for the first time',count(distinct statistics_year) from Airbase_v7_statistic
where component_code in
(*SO2*/'1',/*NO2*/'8',/*PM10*/'5',/*PM2.5*/'6001',/*Pb*/'12',/*Pb*/'5012',/*CO*/'10',/*C6H6*/'20',/*O3*/'7')
group by station_european_code,component_code,component_caption,component_name
having count(distinct statistics_year)<>1 and max(statistics_year)=2011
) as TableA
on Airbase_v7_station.station_european_code=TableA.station_european_code
order by Airbase_v7_station.station_european_code,component_code,station_legend

```

- Concentration maps: observed concentration maps for which 2011 air quality data for components O3, PM10, NO2, SO2, C6H6, PM2.5, CO, Bap, Pb, Cd, As and Ni have been reported.
Distinction is shown by specific relevant thresholds for each component.

SQL query used:

```

/*NO2*/
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,station_latitude_deg,
'<=20' as station_legend,'<=20 very good' as station_legend_label, statistics_average_group, statistics_year,
statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='8' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value<=20
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,station_latitude_deg,
'20 - <=30' as station_legend, '20 - <=30 good' as station_legend_label, statistics_average_group, statistics_year,
statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station

```

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inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='8' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>20 and statistic_value<=30)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,station_latitude_deg,
'30 - <=40' as station_legend, '30 - <=40 moderate' as station_legend_label, statistics_average_group, statistics_year,
statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='8' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>30 and statistic_value<=40)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,station_latitude_deg,
'40 - <=50' as station_legend, '40 - <=50 bad' as station_legend_label, statistics_average_group, statistics_year,
statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='8' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>40 and statistic_value<=50)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,station_latitude_deg,
'>50' as station_legend, '>50 very bad' as station_legend_label, statistics_average_group, statistics_year,
statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='8' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value>50
union
/*SO2*/
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,station_latitude_deg,
'<=5' as station_legend, '<=5 very good' as station_legend_label, statistics_average_group, statistics_year,
statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='1' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value<=5
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,station_latitude_deg,
'5 - <=10' as station_legend, '5 - <=10 good' as station_legend_label,statistics_average_group, statistics_year,
statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='1' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>5 and statistic_value<=10)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,station_latitude_deg,
'10 - <=20' as station_legend, '10 - <=20 moderate' as station_legend_label, statistics_average_group, statistics_year,
statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='1' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>10 and statistic_value<=20)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,

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station_latitude_deg,'20 - <=25' as station_legend, '20 - <=25 bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='1' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>20 and statistic_value<=25)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'>25' as station_legend, '>25 very bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='1' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value>25
union
/*PM10*/
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'<=20' as station_legend, '<=20 very good' as station_legend_label,statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='5' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value<=20
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'20 - <=31' as station_legend,'20 - <=31 good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='5' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>20 and statistic_value<=31)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'31 - <=40' as station_legend,'31 - <=40 moderate' as station_legend_label,
statistics_average_group, statistics_year, statistic_shortcode,statistic_value, measurement_unit,
statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='5' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>31 and statistic_value<=40)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'40 - <=50' as station_legend, '40 - <=50 bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='5' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>40 and statistic_value<=50)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'>50' as station_legend,'>50 very bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid

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from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='5' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value>50
union
/*PM2.5*/
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'<=10' as station_legend,'<=10 very good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='6001' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value<=10
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'10 - <=20' as station_legend,'10 - <=20 good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='6001' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>10 and statistic_value<=20)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'20 - <=25' as station_legend,'20 - <=25 moderate' as station_legend_label,
statistics_average_group, statistics_year, statistic_shortcode,statistic_value, measurement_unit,
statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='6001' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>20 and statistic_value<=25)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'25 - <=30' as station_legend,'25 - <=30 bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='6001' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>25 and statistic_value<=30)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'>30' as station_legend,'>30 very bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='day' and statistics_percentage_valid>=75 and component_code='6001' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value>30
union
/*CO*/
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'<=0.5' as station_legend,'<=0.5 very good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station

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inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='10' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value<=0.5
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'0.5 - <=1' as station_legend,'0.5 - <=1 good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='10' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>0.5 and statistic_value<=1)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'1 - <=2' as station_legend,'1 - <=2 moderate' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='10' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>1 and statistic_value<=2)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'2 - <=2.5' as station_legend,'2 - <=2.5 bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='10' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>2 and statistic_value<=2.5)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'>2.5' as station_legend,'>2.5 very bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='10' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value>2.5
union
/*C6H6*/
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'<=1.7' as station_legend,'<=1.7 very good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=50 and component_code='20' and statistics_year=2011 and
statistic_shortcode='mean' and statistic_value<=1.7
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_d
eg,
station_latitude_deg,'1.7 - <=2' as station_legend,'1.7 - <=2 good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code

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where statistics_percentage_valid>=50 and component_code='20' and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>1.7 and statistic_value<=2)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'2 - <=3.5' as station_legend,'2 - <=3.5 moderate' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=50 and component_code='20' and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>2 and statistic_value<=3.5)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'3.5 - <=5' as station_legend,'3.5 - <=5 bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=50 and component_code='20' and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>3.5 and statistic_value<=5)
union
select
Airbase_v7_station.station_european_code,component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'>5' as station_legend,'>5 very bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=50 and component_code='20' and statistics_year=2011 and
statistic_shortcode='mean' and statistic_value>5
union
/*O3*/
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'<=60' as station_legend,'<=60' as station_legend_label, statistics_average_group, statistics_year,
statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='7' and
statistics_year=2011 and statistic_shortcode='mean' and statistic_value<=60
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'60 - <=80' as station_legend,'60 - <=80' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='7' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>60 and statistic_value<=80)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'80 - <=100' as station_legend,'80 - <=100' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='7' and
statistics_year=2011 and statistic_shortcode='mean' and (statistic_value>80 and statistic_value<=100)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,

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station_latitude_deg,'>100' as station_legend,'>100' as station_legend_label, statistics_average_group, statistics_year,
statistic_shortname,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='7' and
statistics_year=2011 and statistic_shortname='mean' and statistic_value>100
union
/*Bap*/
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'<=0.12' as station_legend,'<=0.12 very good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortname,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('6015','5029','5129','1029') and statistics_year=2011
and statistic_shortname='mean' and statistic_value<=0.12
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'0.12 - <=0.4' as station_legend,'0.12 - <=0.4 good' as station_legend_label,
statistics_average_group, statistics_year, statistic_shortname,statistic_value, measurement_unit,
statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('6015','5029','5129','1029') and statistics_year=2011
and statistic_shortname='mean' and (statistic_value>0.12 and statistic_value<=0.4)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'0.4 - <=0.6' as station_legend,'0.4 - <=0.6 moderate' as station_legend_label,
statistics_average_group, statistics_year, statistic_shortname,statistic_value, measurement_unit,
statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('6015','5029','5129','1029') and statistics_year=2011
and statistic_shortname='mean' and (statistic_value>0.4 and statistic_value<=0.6)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'0.6 - <=1.0' as station_legend,'0.6 - <=1.0 bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortname,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('6015','5029','5129','1029') and statistics_year=2011
and statistic_shortname='mean' and (statistic_value>0.6 and statistic_value<=1.0)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'>1.0' as station_legend,'>1.0 very bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortname,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('6015','5029','5129','1029') and statistics_year=2011
and statistic_shortname='mean' and statistic_value>1.0
union
/*O3*/
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'<=80' as station_legend,'<=80 very good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortname,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code

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where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='7' and
statistics_year=2011 and statistic_shortcode='Max26' and statistic_value<=80
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'80 - <=100' as station_legend,'80 - <=100 good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='7' and
statistics_year=2011 and statistic_shortcode='Max26' and (statistic_value>80 and statistic_value<=100)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'100 - <=120' as station_legend,'100 - <=120 moderate' as station_legend_label,
statistics_average_group, statistics_year, statistic_shortcode,statistic_value, measurement_unit,
statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='7' and
statistics_year=2011 and statistic_shortcode='Max26' and (statistic_value>100 and statistic_value<=120)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'120 - <=140' as station_legend,'120 - <=140 bad' as station_legend_label,
statistics_average_group, statistics_year, statistic_shortcode,statistic_value, measurement_unit,
statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='7' and
statistics_year=2011 and statistic_shortcode='Max26' and (statistic_value>120 and statistic_value<=140)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'>140' as station_legend,'>140 very bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_average_group='dymax' and statistics_percentage_valid>=75 and component_code='7' and
statistics_year=2011 and statistic_shortcode='Max26' and statistic_value>140
union
/*Pb*/
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'<=0.02' as station_legend,'<=0.02 very good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('12','5012') and statistics_year=2011 and
statistic_shortcode='mean' and statistic_value<=0.02
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'0.02 - <=0.1' as station_legend,'0.02 - <=0.1 good' as station_legend_label,
statistics_average_group, statistics_year, statistic_shortcode,statistic_value, measurement_unit,
statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('12','5012') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>0.02 and statistic_value<=0.1)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,

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station_latitude_deg,'0.1 - <=0.5' as station_legend,'0.1 - <=0.5 moderate' as station_legend, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('12','5012') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>0.1 and statistic_value<=0.5)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'0.5 - <=1' as station_legend,'0.5 - <=1 bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('12','5012') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>0.5 and statistic_value<=1)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'>1' as station_legend,'>1 very bad' as station_legend, statistics_average_group, statistics_year,
statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('12','5012') and statistics_year=2011 and
statistic_shortcode='mean' and statistic_value>1
union
/*Cd*/
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'<=1' as station_legend,'<=1 very good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('14','5014') and statistics_year=2011 and
statistic_shortcode='mean' and statistic_value<=1
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'1 - <=2' as station_legend,'1 - <=2 good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('14','5014') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>1 and statistic_value<=2)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'2 - <=5' as station_legend,'2 - <=5 moderate' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('14','5014') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>2 and statistic_value<=5)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'5 - <=8' as station_legend,'5 - <=8 bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('14','5014') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>5 and statistic_value<=8)
union

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select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'>8' as station_legend,'>8 very bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('14','5014') and statistics_year=2011 and
statistic_shortcode='mean' and statistic_value>8
union
/*As*/
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'<=1' as station_legend,'<=1 very good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('18','5018') and statistics_year=2011 and
statistic_shortcode='mean' and statistic_value<=1
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'1 - <=3' as station_legend,'1 - <=3 good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('18','5018') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>1 and statistic_value<=3)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'3 - <=6' as station_legend,'3 - <=6 moderate' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('18','5018') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>3 and statistic_value<=6)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'6 - <=9' as station_legend,'6 - <=9 bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('18','5018') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>6 and statistic_value<=9)
union
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'>9' as station_legend,'>9 very bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('18','5018') and statistics_year=2011 and
statistic_shortcode='mean' and statistic_value>9
union
/*Ni*/
select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'<=5' as station_legend,'<=5 very good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code

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where statistics_percentage_valid>=14 and component_code in ('15','5015') and statistics_year=2011 and
statistic_shortcode='mean' and statistic_value<=5
union

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select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'5 - <=10' as station_legend,'5 - <=10 good' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('15','5015') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>5 and statistic_value<=10)
union

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```

select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'10 - <=20' as station_legend,'10 - <=20 moderate' as station_legend_label,
statistics_average_group, statistics_year, statistic_shortcode,statistic_value, measurement_unit,
statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('15','5015') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>10 and statistic_value<=20)
union

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```

select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'20 - <=30' as station_legend,'20 - <=30 bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('15','5015') and statistics_year=2011 and
statistic_shortcode='mean' and (statistic_value>20 and statistic_value<=30)
union

```

```

select Airbase_v7_station.station_european_code,
component_code,component_caption,component_name,station_longitude_deg,
station_latitude_deg,'>30' as station_legend,'>30 very bad' as station_legend_label, statistics_average_group,
statistics_year, statistic_shortcode,statistic_value, measurement_unit, statistics_percentage_valid
from Airbase_v7_station
inner join dbo.Airbase_v7_statistic
on Airbase_v7_station.station_european_code=Airbase_v7_statistic.station_european_code
where statistics_percentage_valid>=14 and component_code in ('15','5015') and statistics_year=2011 and
statistic_shortcode='mean' and statistic_value>30
order by component_code, Airbase_v7_station.station_european_code

```