

```
In[17]:= wojewodztwa = ;
```

```
In[622]:= max = Max[Max[pm1013], Max[pm1014], Max[pm1015], Max[pm1016], Max[pm1017]];
```

```
pm1013 = {31, 14, 21, 8, 7, 22, 20, 6, 10, 4, 16, 30, 9, 7, 13, 8};  
pm1013liczba = Table[pm1013[[i]]/max, {i, 1, Length[pm1013]}];  
kolory1013 = Table[RGBColor[0.15, 1 - pm1013liczba[[t]], 1 - pm1013liczba[[t]]], {t, 1, 16}];  
p1013 = Table[{GeoStyling[None], kolory1013[[i]], Polygon[wojewodztwa[[i]]], {i, 1, 16}}];  
map1013 = Labeled[Legended[GeoGraphics[{p1013}], GeoBackground → None, ImageSize → 600],  
BarLegend[{{Blend[{Sort[kolory1013][[16]], Sort[kolory1013][[1]]], # / Reverse[Sort[pm1013][[1]]] &},  
{Reverse[Sort[pm1013][[16]], Reverse[Sort[pm1013][[1]]]}],  
Text[Style["PM10 - rok 2013 ( $\mu\text{g}/\text{m}^3$ )", 40], Top];
```

```
pm1014 = {24, 18, 24, 7, 11, 29, 19, 10, 13, 4, 26, 32, 10, 10, 13, 12};  
pm1014liczba = Table[pm1014[[i]]/max, {i, 1, Length[pm1014]}];  
kolory1014 = Table[RGBColor[0.15, 1 - pm1014liczba[[t]], 1 - pm1014liczba[[t]]], {t, 1, 16}];  
p1014 = Table[{GeoStyling[None], kolory1014[[i]], Polygon[wojewodztwa[[i]]], {i, 1, 16}}];  
map1014 = Labeled[Legended[GeoGraphics[{p1014}], GeoBackground → None, ImageSize → 600],  
BarLegend[{{Blend[{Sort[kolory1014][[16]], Sort[kolory1014][[1]]], # / Reverse[Sort[pm1014][[1]]] &},  
{Reverse[Sort[pm1014][[16]], Reverse[Sort[pm1014][[1]]]}],  
Text[Style["PM10 - rok 2014 ( $\mu\text{g}/\text{m}^3$ )", 40], Top];
```

```
pm1015 = {25, 21, 26, 8, 11, 26, 18, 10, 14, 5, 26, 32, 10, 10, 17, 12};  
pm1015liczba = Table[pm1015[[i]]/max, {i, 1, Length[pm1015]}];  
kolory1015 = Table[RGBColor[0.15, 1 - pm1015liczba[[t]], 1 - pm1015liczba[[t]]], {t, 1, 16}];  
p1015 = Table[{GeoStyling[None], kolory1015[[i]], Polygon[wojewodztwa[[i]]], {i, 1, 16}}];  
map1015 = Labeled[Legended[GeoGraphics[{p1015}], GeoBackground → None, ImageSize → 600],  
BarLegend[{{Blend[{Sort[kolory1015][[16]], Sort[kolory1015][[1]]], # / Reverse[Sort[pm1015][[1]]] &},  
{Reverse[Sort[pm1015][[16]], Reverse[Sort[pm1015][[1]]]}],  
Text[Style["PM10 - rok 2015 ( $\mu\text{g}/\text{m}^3$ )", 40], Top];
```

```
pm1016 = {27, 20, 24, 8, 11, 33, 21, 10, 15, 5, 24, 32, 9, 10, 17, 12};  
pm1016liczba = Table[pm1016[[i]]/max, {i, 1, Length[pm1016]}];  
kolory1016 = Table[RGBColor[0.15, 1 - pm1016liczba[[t]], 1 - pm1016liczba[[t]]], {t, 1, 16}];  
p1016 = Table[{GeoStyling[None], kolory1016[[i]], Polygon[wojewodztwa[[i]]], {i, 1, 16}}];  
map1016 = Labeled[Legended[GeoGraphics[{p1016}], GeoBackground → None, ImageSize → 600],  
BarLegend[{{Blend[{Sort[kolory1016][[16]], Sort[kolory1016][[1]]], # / Reverse[Sort[pm1016][[1]]] &},  
{Reverse[Sort[pm1016][[16]], Reverse[Sort[pm1016][[1]]]}],  
Text[Style["PM10 - rok 2016 ( $\mu\text{g}/\text{m}^3$ )", 40], Top];
```

```

pm1017 = {26, 21, 26, 9, 11, 35, 23, 10, 18, 5, 22, 32, 11, 11, 17, 12};
pm1017liczba = Table[pm1017[[i]]/max, {i, 1, Length[pm1017]}];
kolory1017 = Table[RGBColor[0.15, 1 - pm1017liczba[[t]], 1 - pm1017liczba[[t]]], {t, 1, 16}];
p1017 = Table[{GeoStyling[None], kolory1017[[i]], Polygon[wojewodztwa[[i]]], {i, 1, 16}}];
map1017 = Labeled[Legended[GeoGraphics[{p1017}], GeoBackground → None, ImageSize → 600],
BarLegend[{{Blend[{Sort[kolory1017][[16]], Sort[kolory1017][[1]]], # / Reverse[Sort[pm1017][[1]]] &},
{Reverse[Sort[pm1017][[16]], Reverse[Sort[pm1017][[1]]]}]],
Text[Style["PM10 - rok 2017 ( $\mu\text{g}/\text{m}^3$ )", 40]], Top];

```

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In[648]:= pm10 = {map1013, map1014, map1015, map1016, map1017};
CloudExport[pm10, "PDF"]

```

```

Out[649]= CloudObject[https://www.wolframcloud.com/obj/1e9c2f20-9498-4966-af18-82f870e64b44]

```

```

In[252]:= CloudExport[pm10, "GIF", AnimationRepetitions → Infinity, AnimationRate → 0.001]
Out[252]= CloudObject[https://www.wolframcloud.com/obj/285f3a41-9135-41cf-99e5-b133ac3f3d69]

```

```

In[652]:= pm10gif =
{map1013, map1013, map1013, map1013, map1013, map1013, map1013, map1013, map1013,
map1013, map1013, map1013, map1013, map1013, map1013, map1014, map1014, map1014, map1014,
map1014, map1014, map1014, map1014, map1014, map1014, map1014, map1014, map1014, map1014,
map1014, map1015, map1015, map1015, map1015, map1015, map1015, map1015, map1015, map1015,
map1015, map1015, map1015, map1015, map1015, map1015, map1016, map1016, map1016,
map1016, map1016, map1016, map1016, map1016, map1016, map1016, map1016, map1016,
map1016, map1016, map1016, map1017, map1017, map1017, map1017, map1017, map1017,
map1017, map1017, map1017, map1017, map1017, map1017, map1017, map1017, map1017};
CloudExport[pm10gif, "GIF", AnimationRepetitions → Infinity]

```

```

Out[653]= CloudObject[https://www.wolframcloud.com/obj/21f42afe-5ef6-47a0-b229-6c90a6a804b9]

```