

INSPIRE data specifications visualization

3) If you are not lucky at all, like the SR theme

11.1 Layers to be provided by INSPIRE view services

Layer Name	Layer Title	Spatial object type(s)	Keywords
SR SeaArea	Sea Area	SeaArea	Sea, Ocean
SR Sea	Sea	Sea	Sea, Ocean
SR MarineCirculationZone	Marine Circulation Zone	MarineCirculationZone	Sea, Ocean
SR InterTidalArea	Intertidal Area	InterTidalArea	Sea, Ocean, Tide, Tidal
SR MarineContour	Marine Contour	MarineContour	Sea, Ocean
SR Shoreline	Shoreline	Shoreline	Sea, Ocean, Coast, Shore, Coastline, Shoreline
SR Coastline	Coastline	CoastLine	Sea, Ocean, Coast, Shore, Coastline, Shoreline
SR SeaSurfaceArea	Sea surface area	SeaSurfaceArea	Sea, Ocean
SR SeaBedArea	Sea bed area	SeaBedArea	Sea, Ocean

11.1.1 Layers organisation

None

11.2 Styles required to be supported by INSPIRE view services

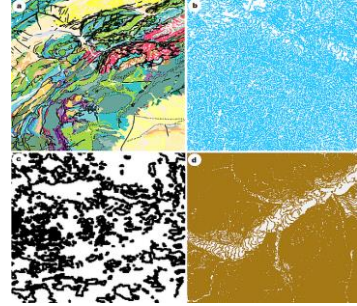
None

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"Final" visualization

- Anyway, even if you are lucky, you may have such results

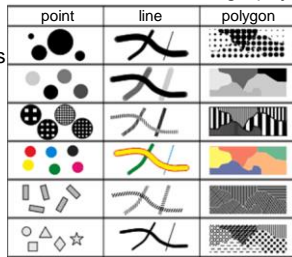


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Definition of a cartographic style

- Definition of portrayal for a specified content
 - Defined on the level of layer
- The same possibilities as "traditional" cartography
 - Bertin (1967)
 - graphic variables
- A style may be customized to the user's needs



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Definition of a cartographic style (SLD)

```
<StyleLayerDescriptor version="1.0.0" xmlns="http://www.opengis.net/sld" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:esri="http://www.w3.org/2001/XMLSchema-instance"
xmlns:schemalocation="http://www.opengis.net/sld http://schemas.opengis.net/sld/1.0.0/StyleLayerDescriptor.xsd">
```

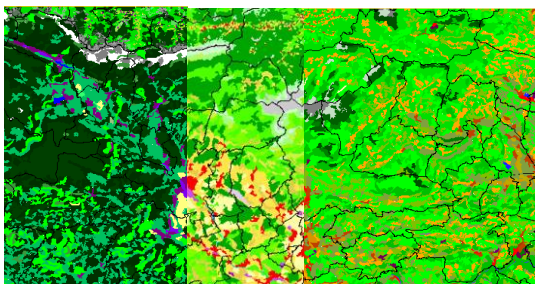
Style name	Testing style
Geometry	polygon
Fill (RGB)	#dbc0da
Opacity	0,1 (tj. 10%)
Outline	#db8ad8
Outline width	2 pixels

```
<Name>france_VDC/Name</Name>
<BaseStyle>
<Name>france_VDC/Name</Name>
<Title>france_vojensko_0jesdc/Title</Title>
<FeatureTypeStyle>Rule</FeatureTypeStyle>
<PolygonSymbolizer>
<Fill>
<CssParameter name="fill">#dbc0da</CssParameter>
<CssParameter name="fill-opacity">0.1</CssParameter>
</Fill>
<Stroke>
<CssParameter name="stroke">#db8ad8</CssParameter>
<CssParameter name="stroke-width">2</CssParameter>
</Stroke>
</PolygonSymbolizer>
</Rule>
</FeatureTypeStyle>
</BaseStyle>
</NameLayer>
</StyleLayerDescriptor>
</StyleLayerDescriptor>
```

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Reaching cartographic interoperability

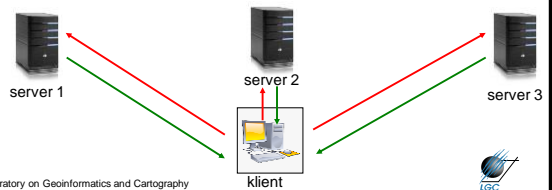
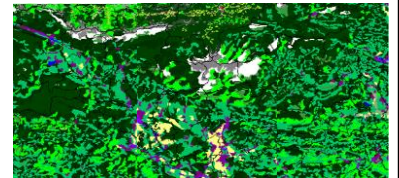


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Reaching cartographic interoperability

```
http://URL_adresa_serveru?SERVICE=WMS&version=1.1.1&REQUEST=GetMap&Layers=1&srs=EPSG:4326&BBOX=16.34,49.22,16.57,49.93&WIDTH=701&HEIGHT=386&FORMAT=png&STYLES=style1
```

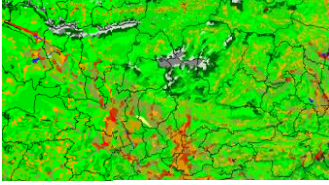
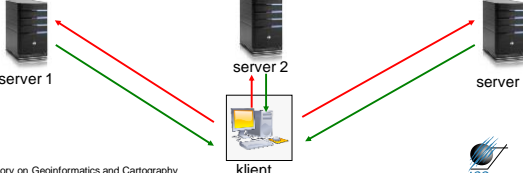


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Reaching cartographic interoperability

`http://URL_adresa_serveru?SERVICE=WMS&version=1.1.1&REQUEST=GetMap&Layers=1&srs=EPSG:4326&BBOX=16.34,49.22,16.57,49.93&WIDTH=701&HEIGHT=386&FORMAT=image/png&STYLES=style2`

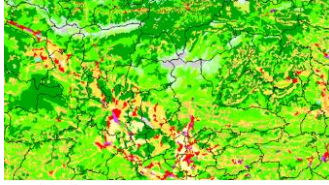
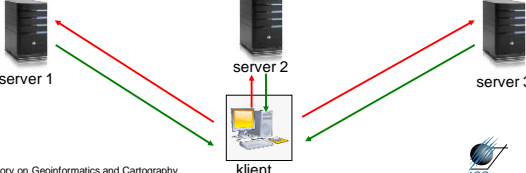
server 1 server 2 server 3

client

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Reaching cartographic interoperability

`http://URL_adresa_serveru?SERVICE=WMS&version=1.1.1&REQUEST=GetMap&Layers=1&srs=EPSG:4326&BBOX=16.34,49.22,16.57,49.93&WIDTH=701&HEIGHT=386&FORMAT=image/png&STYLES=style3`

server 1 server 2 server 3

client

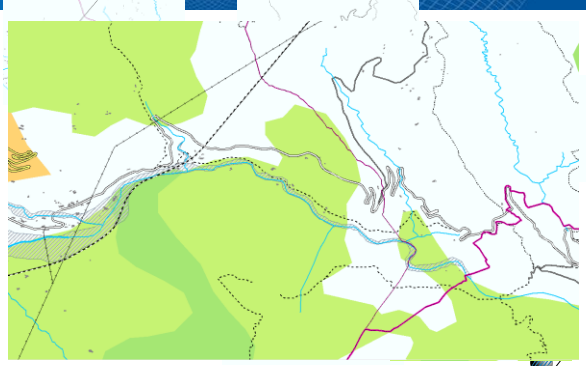
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Map compositions

- OGC Web Map Context (WMC) implementation specification
 - Latest version 1.1.0 since 2005
 - Addition to the OGC WMS implementation specification
- Composes of: **Sounds that similar to you?**
 - information about the server(s) providing layer(s) in the overall map
 - the bounding box and map
 - sufficient operational metadata for Client software to reproduce the map, and ancillary metadata used to annotate or describe the maps

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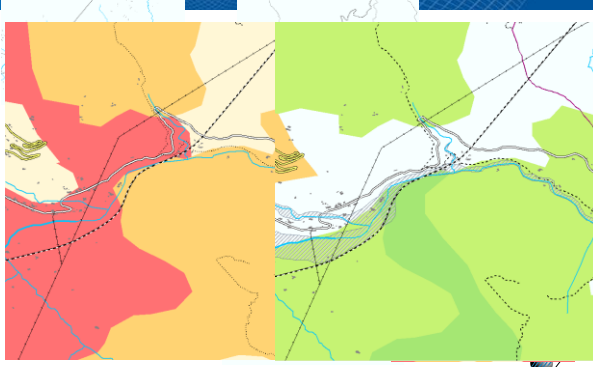
Map compositions



server 4

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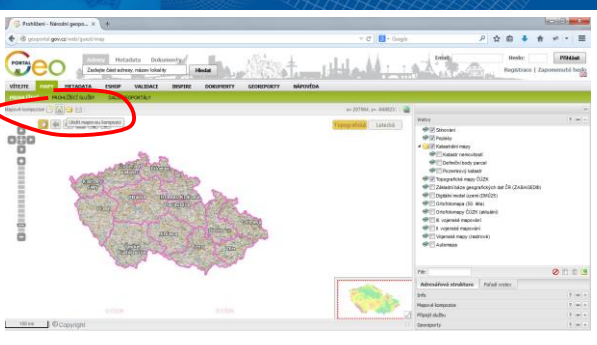
Map compositions



server 4

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Saving a map composition...the easy way



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