GEODATA
A Treasure Trove for Software Developers

Rolf Johl
Geovisualization

Dr. med. Beatrice Moreno MPH, MSc
Head of Research & Development
Agenda

1. Company Profile
2. Copernicus Data Evaluation
3. Conclusion
Company Profile

ID „ist ein Berliner“
52° 31 ‘ Nord / 13° 19 ‘ Ost
Areas of Expertise

- software development
- internationally orientated
- multilingually orientated computer linguistics
- specialization in health care
- multidisciplinary working procedures
- scientific projects

Teams

70 Experts
Spain, France, Italy, Greece, Germany

Ukraine

Poland

Cameroon

Argentinia
"Maps always represent more than a physical image"

John Brian Harley
Corine 2006

Sicily

Data Resolution: 250 x 250 m per Pixel

Suitable for small-scale maps (1:200 000)

Corine 2006

Data Resolution: 250 x 250 m per Pixel

Sources:
- Tegel Airport
- Tiergarten
- Alexanderplatz
- Grunewald
- Treptower Park
- Tempelhof

Corine 2006

Urban Atlas

305 large urban zones

Tegel Airport
Grunewald
Alexanderplatz
Tiergarten
Tempelhof
Treptower Park

Data Resolution: 100 times higher than Corine

EU-DEM

- Resolution: 30 m per Pixel

EU-DEM

- Resolution: 30 m per Pixel

Europe

Tiles

Germany?

EU-DEM

- Resolution: 30 m per Pixel

EU-DEM

Resolution: 30 m per Pixel

Interactive Urban Atlas

Pros:
- blending legend in and out
- base maps
- scale available
- search function
- modern appeal
- very detailed

Cons:
- blue boundaries
- red urban areas
- legend layout
- national boundaries
- shadows

Interactive Urban Atlas

Sentinel Satellites

Satellite +Y side (anti-Sun)

Satellite -Y side (Sun side)

Source: https://sentinel.esa.int/web/sentinel/missions/sentinel-2/satellite-description
The **level of detail** of freely available geodata, especially landcover data **has improved tremendously**. However, this data needs to be available for the whole of Europe.

**Database server** needs to be **more user-friendly** to improve efficiency.

**COPERNICUS** is a valuable digital resource and should be promoted properly.
Thank you for your attention