How to Cope with GeoSpatial

- ## Welcome to Lab 08

Free and Open Source Geospatial is staring to rock out

You have Java experience you would like to use

But the software and concepts are Complex

The right Java library can make it Possible

Try GeoAPI, JTS and GeoTools to talk to FOSS4G

GeoAPI saves you Money and Time

- Interfaces only
- Already in Java
- Does not cost Money

JTS Topology Suite saves years of hard math

- The "Shape" of Java GIS
- Numerically Stable
- Ported to C++ and dot NET

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GeoTools lets you work with real services today

- Referencing adds the "where" for Java GIS

- Data Model and Access

- Visualization

Setting Up

- Done!
- 116 jars
- Wow

WMS Lab

- Connect
- Title
- GetLegendGraphics
- GetMap

PostGIS Lab

- Connect
- Common Query Language
- Filter

Image Lab

- Connect
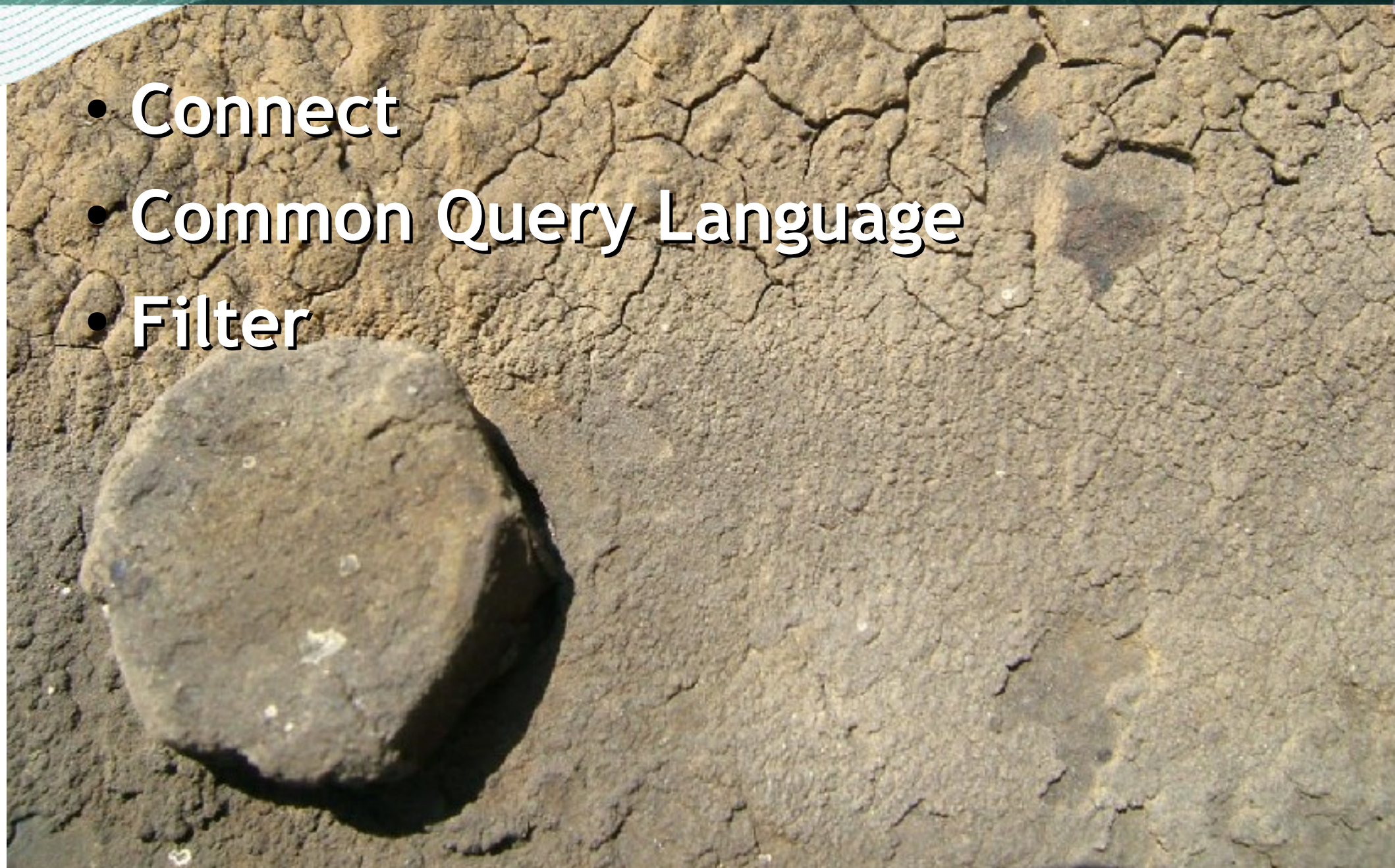
- MapContext

Shape Lab

- Style

- Style from XML