ISRIC Data Hub https://data.isric.org

Eloi Ribeiro <eloi.ribeiro@isric.org>

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ISRIC

ISRIC – World Soil Information
World Data Centre for Soils (WDC-Soils)

ISRIC Spatial data infrastructure

vector   grid

Spatial data repository

GeoNetwork
opensource
Catalogue service

GeoServer + REST
Spatial data service and
Processing services

Software client (Desktop GIS, Web mapping, Mobile Apps)

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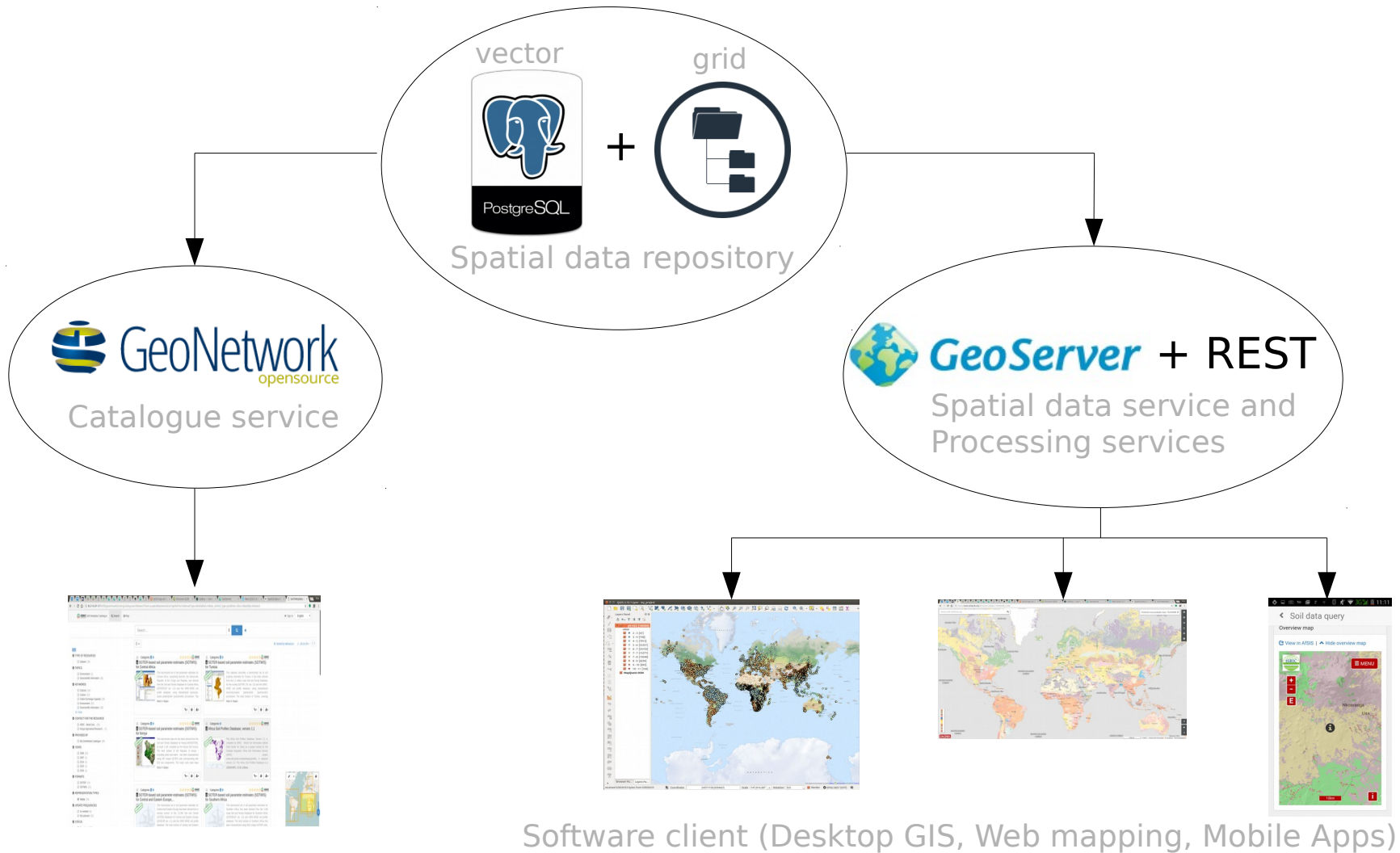
GeoNetwork

- Default GeoNetwork instance

- Version 3.6.0.0

- 172 records

- 2400 visits per month

- Geographic information Metadata (iso19139)
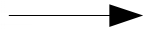
Why store metadata in PostgreSQL

- How many datasets, versions, variables

- Size of a dataset, datatype, Coord. System.

- Which layers are being served by WMS/WFS

- Easier data management in a relational database

- All the relational database goodies
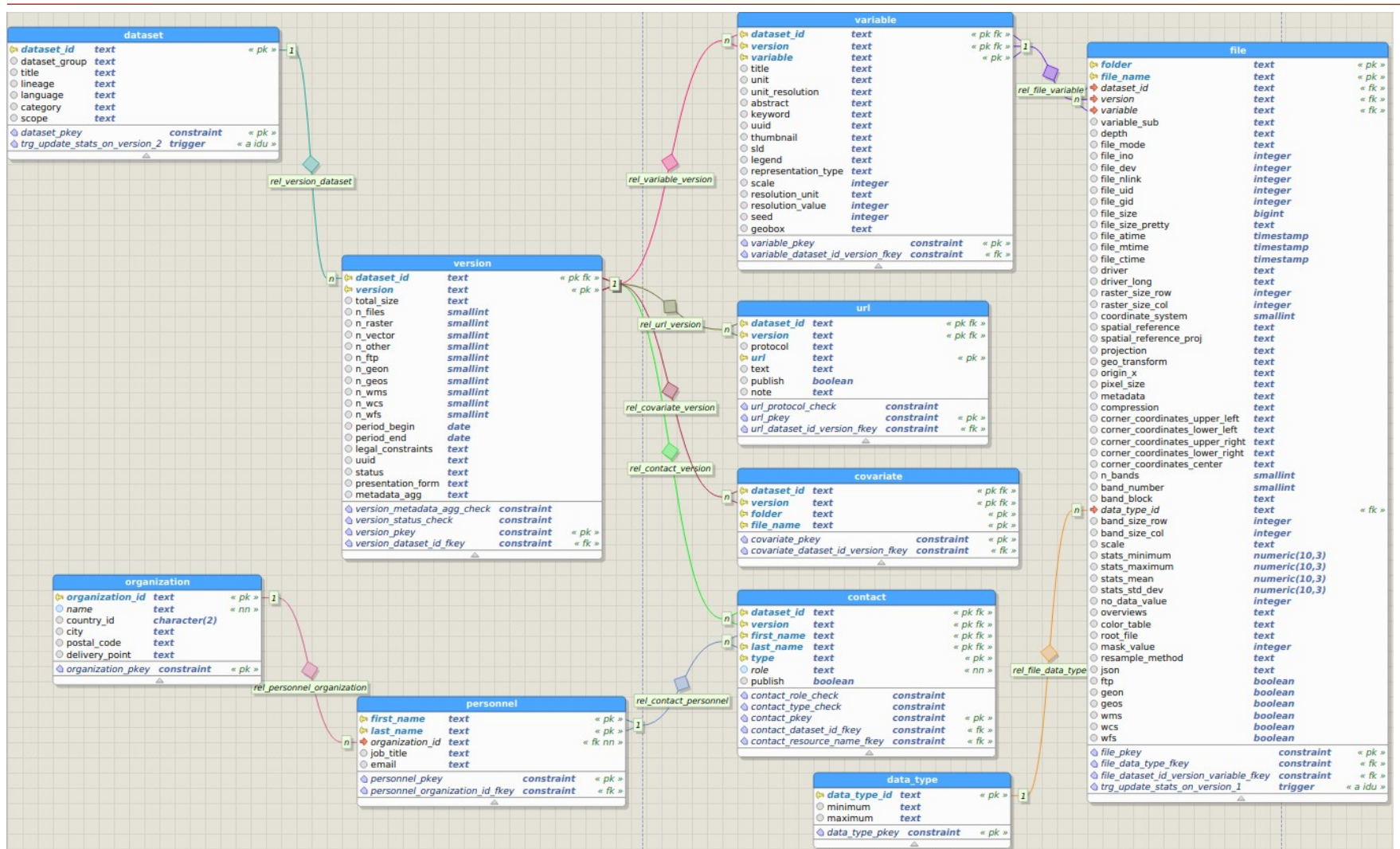
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PostgreSQL data model

Data flow

Doubts

- Should each raster layer have its own metadata or just the dataset?
- Can have both? Is there a 'link' between the two necessary?
- How to add new fields to the metadata, for example 'Variable unit'?

Thank you!

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