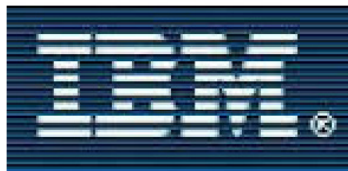
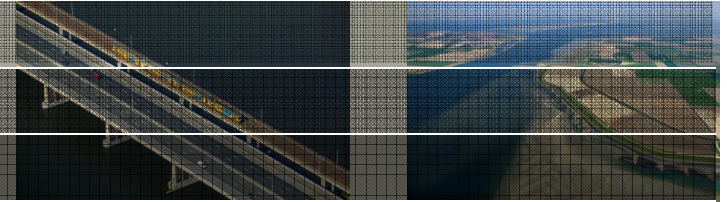


Spatial RDBMS

PostgreSQL + PostGIS

3 november 2014

Players in the field

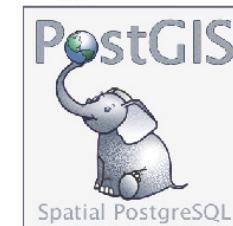


DB2® Spatial Extender

ORACLE®
SPATIAL

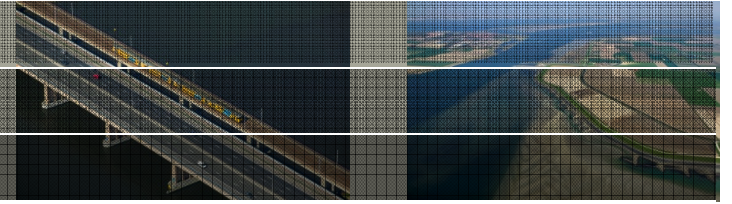


PostgreSQL



Deltares

Spatial RDBMS



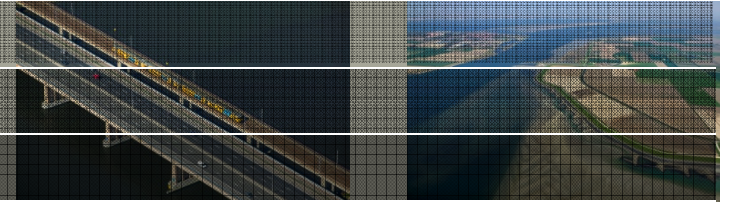
PostgreSQL with **PostGIS** is a RDBMS...

- with support for a geometry type (point, line, polygon)
- able to index this geometry type data
- which has functions for the geometry type data

... and hence is able to answer GIS questions directly and on large volumes of data.

The DBMS is aware of the spatial data.

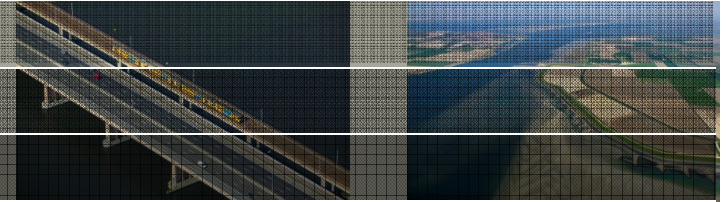
Spatial RDBMS (2)



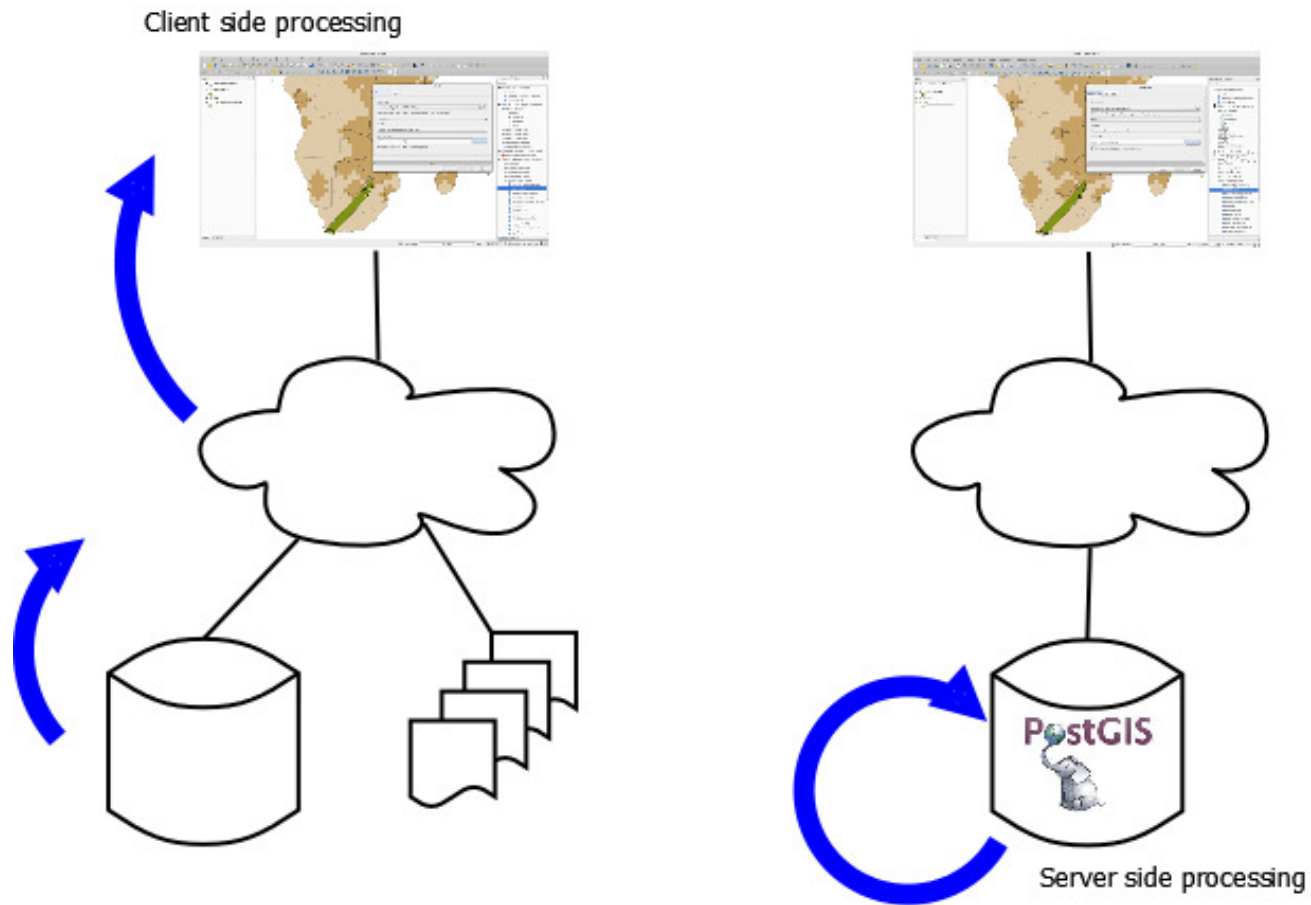
Why use PostGIS?

- Transactional integrity
(concurrent users, concurrent edits)
- Data integrity
(enforced by constraints)
- Uniform storage, management and access
(by means of OGC standards and SQL)

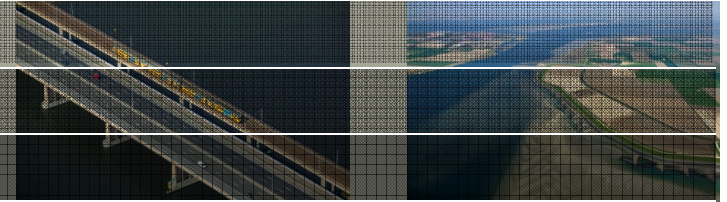
Spatial RDBMS(3)



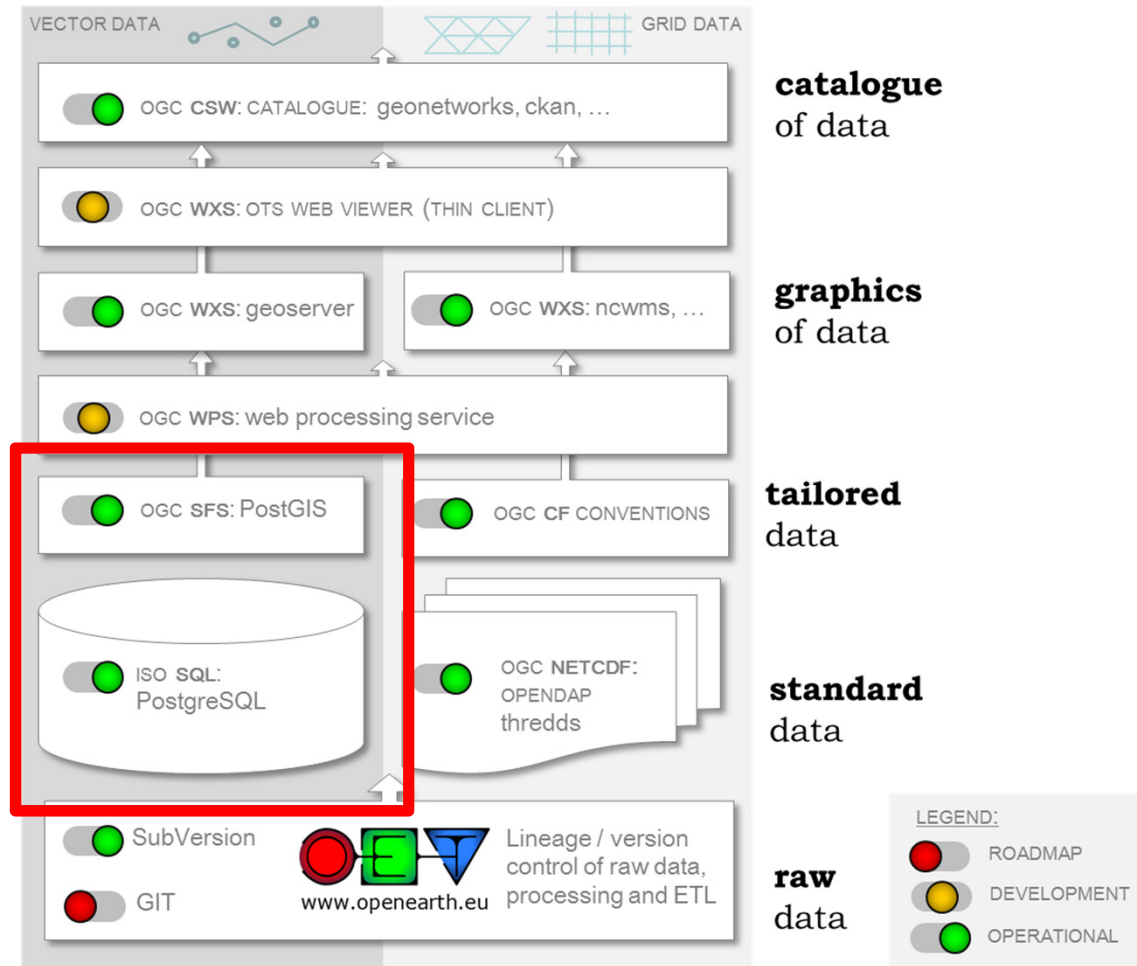
Why use Postgis? (cont.)



OpenEarth



Position Spatial RDBMS within OpenEarth:



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Deltares

Network topologies

