PostgreSQL

- Manually sorted list of Tech Notes (OpenEarth and external links)
- Automatic tree of OpenEarth Tech Notes

Manually sorted list of Tech Notes (OpenEarth and external links)

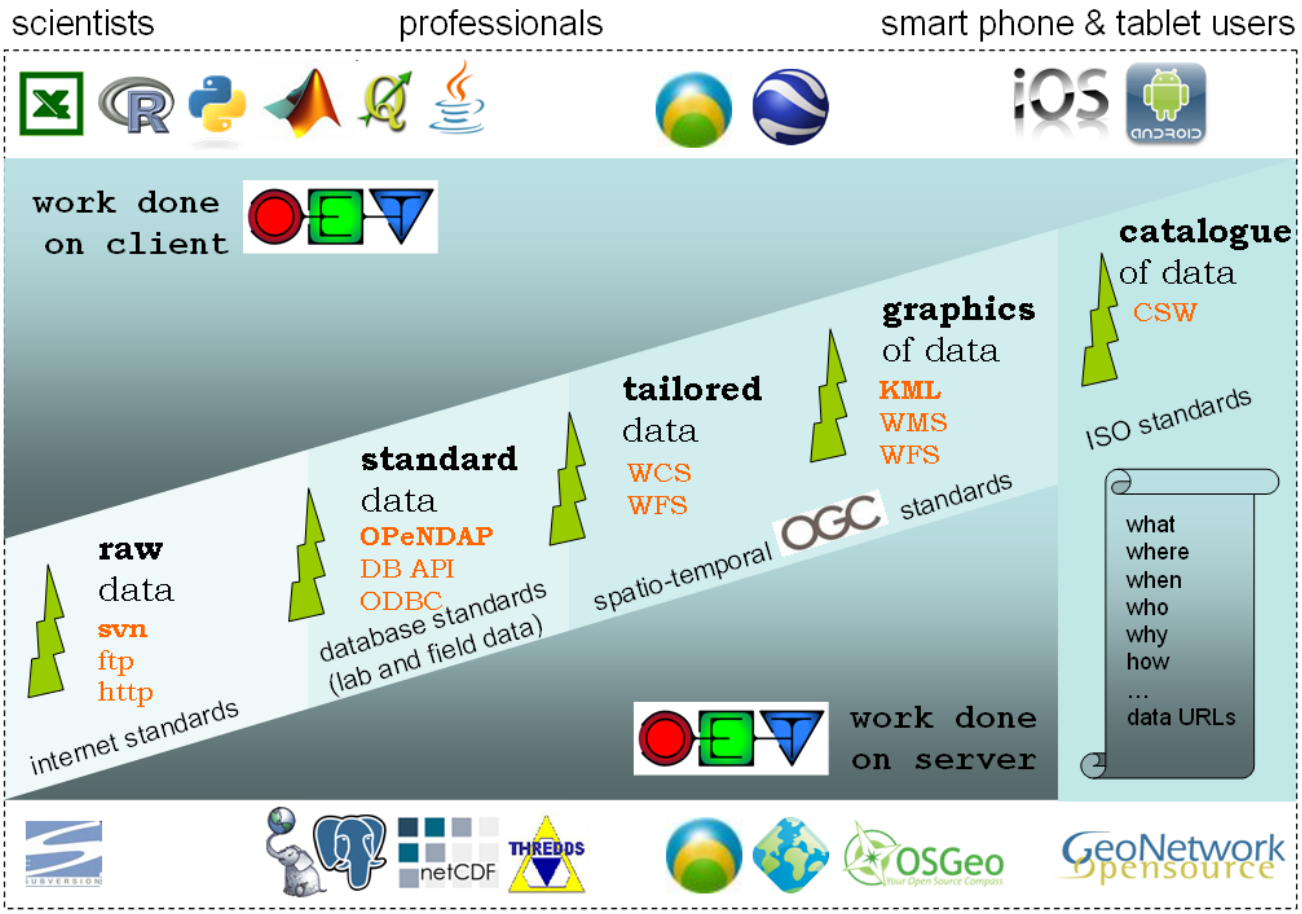
Acknowledgements

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PostgreSQL is the world's most advanced open source ORDBMS (Object Relational Database Management System). It is used in many open source geospatial systems. OpenEarth has chosen PostgreSQL to be on of the two pillars for distributing standardized dtaa, in addition to a netCDF-CF-OPeNDAP stack for large collections of gridded data (BLOBS - Binary Large OBjects) for which ORDBMS are not optimized (e.g. decades of satellite imagery or terabytes of output from numerical models, see these examples). In fact,

- Using a database
  - Accessing PostgreSQL/PostGIS data with Matlab (simple)
  - Accessing PostgreSQL/PostGIS data with Python (simple)
  - Accessing PostgreSQL/PostGIS data with R (simple)
- Launching and filling a database
  - PostgreSQL installation (local machine)
  - PostGIS installation (local machine)
  - the first steps
  - PGadmin basics
  - PostgreSQL launching
  - PostgreSQL table creation
  - PostgreSQL/PostGIS/QGis
  - Add a PostGIS enabled database
  - DSD2016 course
- Hosting a database
  - PostgreSQL deployment in Azure
- Common introductions
  - Getting Started With PostGIS: An almost Idiot's Guide (PostGIS 2.0)
  - Boundless PostGIS introduction

These PostgreSQL/PostGIS standards are an important part of the suite of layered standards OpenEarth identified. PostgreSQL/PostGIS provides standard data for relational data. For the full user range they need to be accompanied though by standards for exchange of grid/vector data data (netCDF-CF-OPeNDAP), for raw data (subversion), and for tailored data, graphics of data and catalogs of data. **Geoserver** and **geonetwork** allow for easy coupling of PostgreSQL/PostGIS to WxS services.



Automatic tree of OpenEarth Tech Notes

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