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Towards a WPS platform dedicated to an urban knowledge infrastructure

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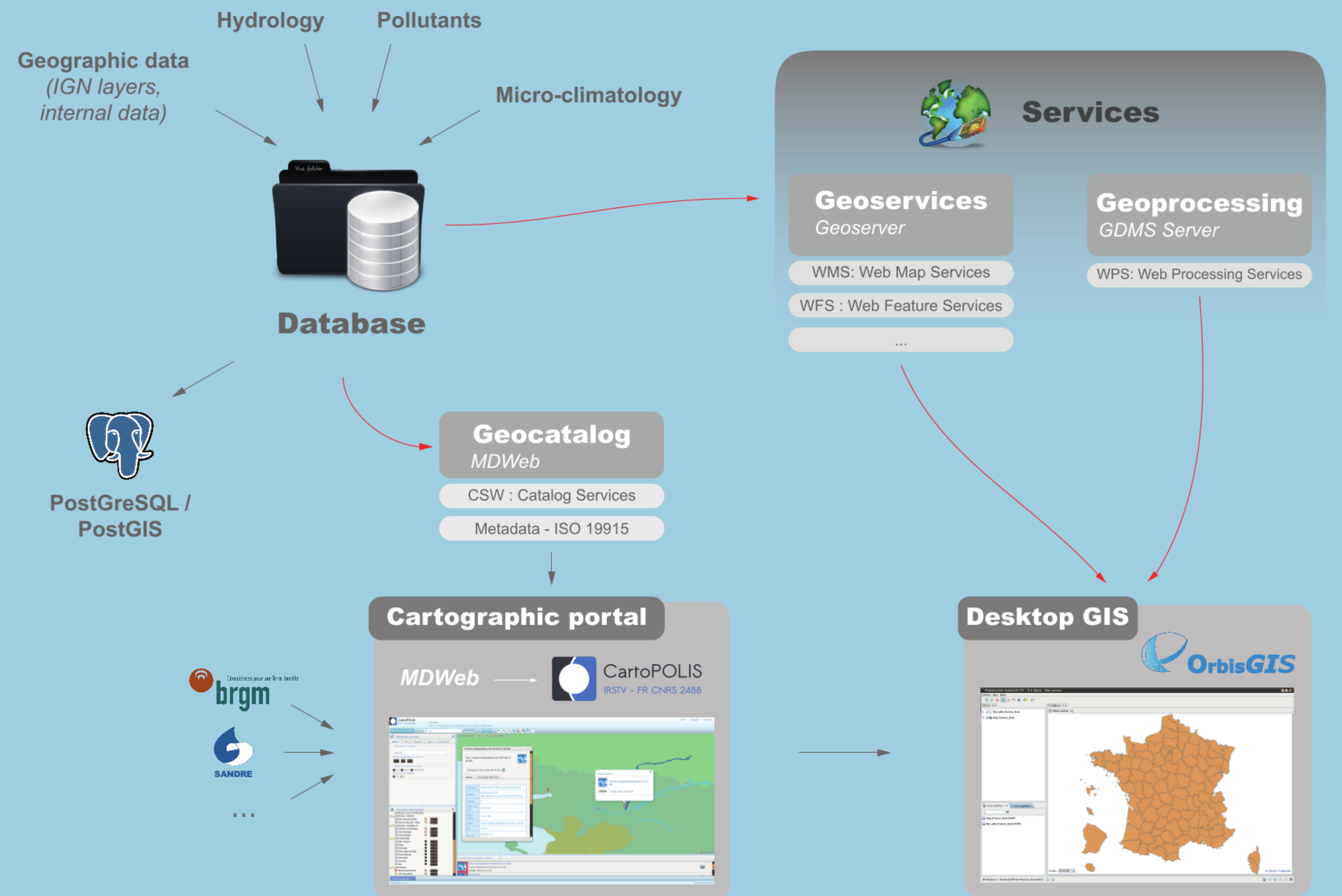
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I/ Context

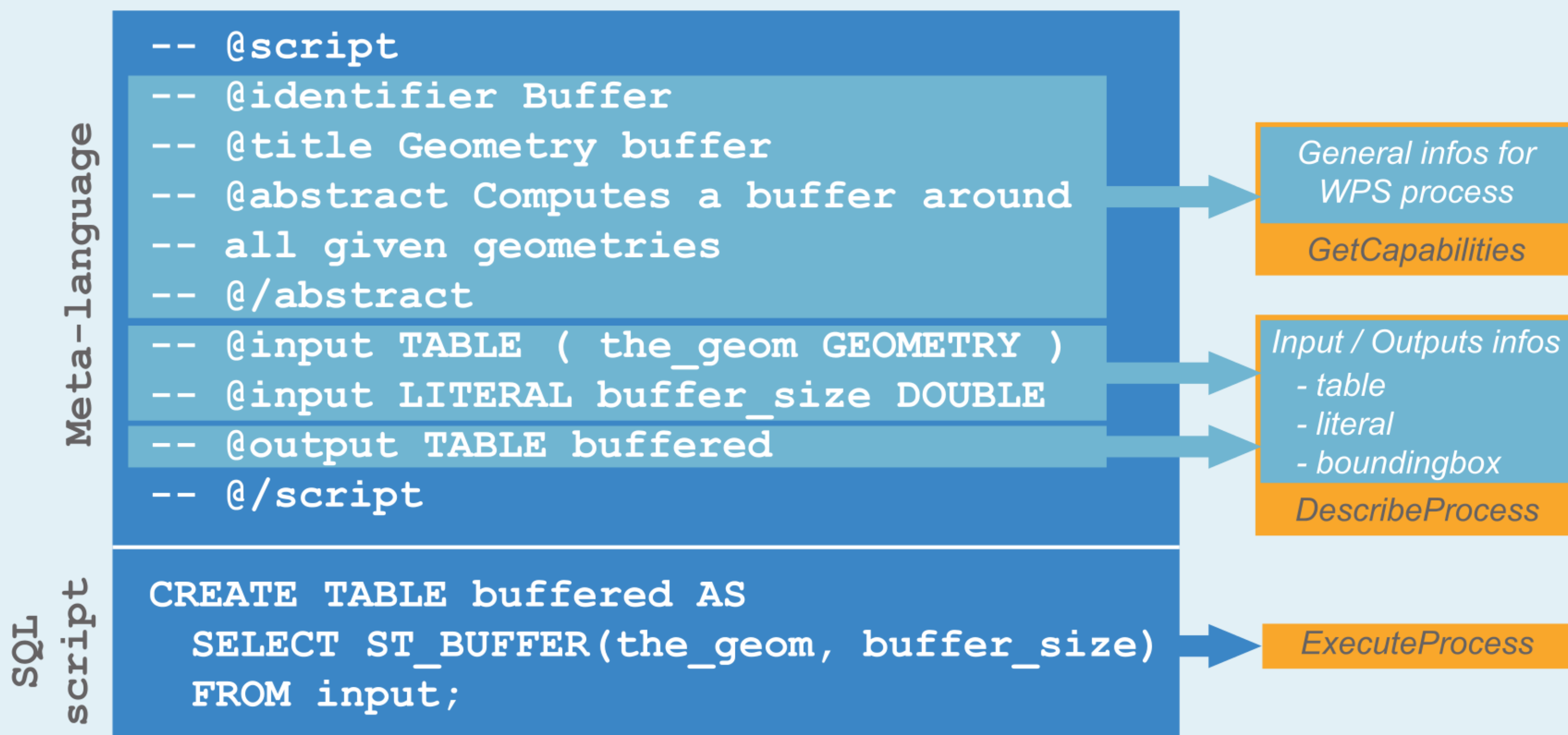
This poster presents an implementation of the WPS (Web Processing Services) specification that provides specialized geographic analysis and processing tools to researchers, local authorities and private organizations and companies within IRSTV's Spatial Data Infrastructure (SDI).

We present a descriptive meta-language that allows GIS specialists to WPS-enable their existing SQL processes and then push them within the WPS component of the SDI.



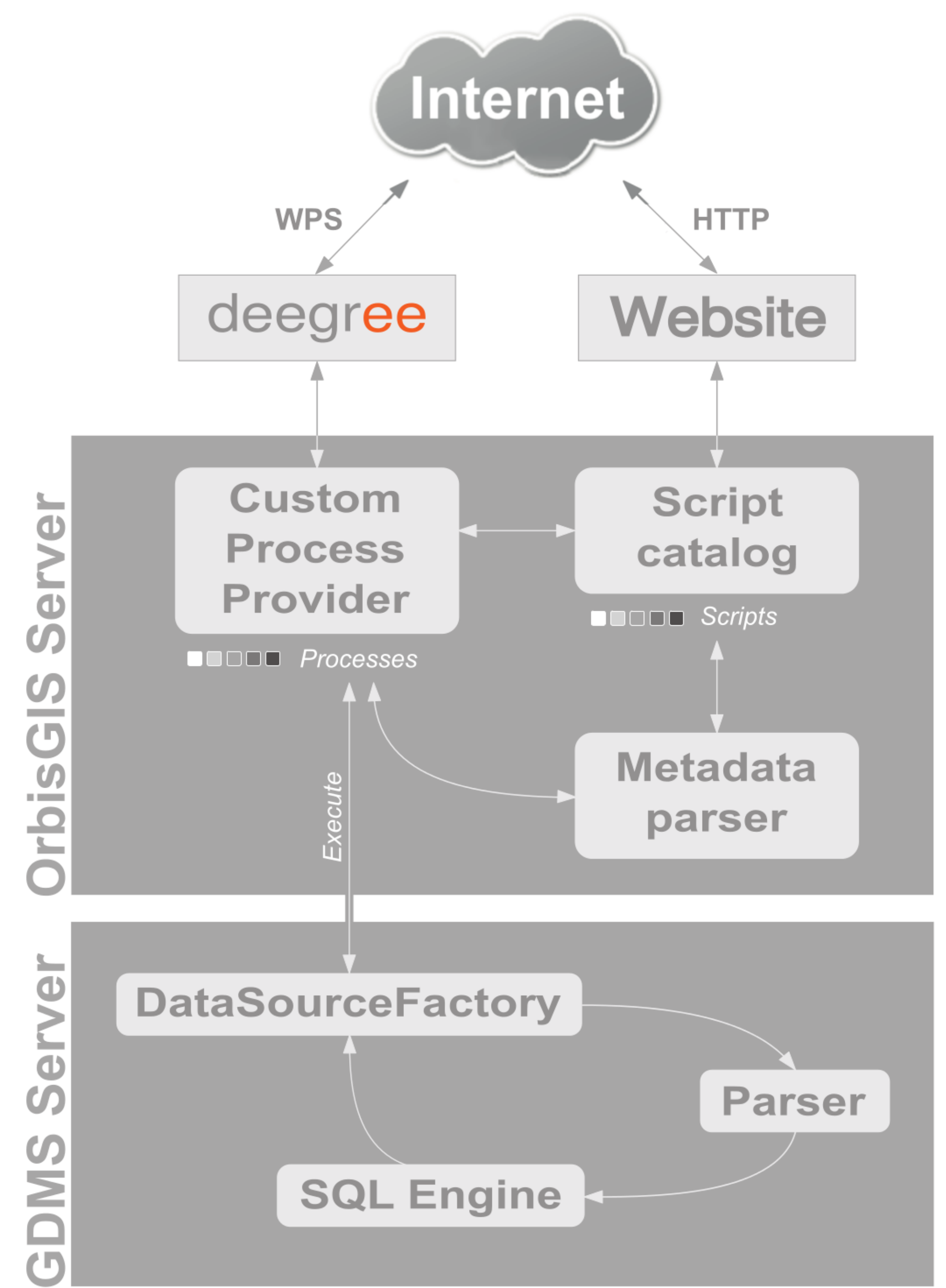
II/ Proposal

Exposing a SQL script as an online geoprocess using Web Processing Services (WPS)



- Multiple inputs & outputs
- Multiple formats supported
- SQL Spatial: OGC Simple Feature SQL
- Vector and raster
- Custom functions (hydrology, noise maps, grid analysis...)
- Full support for OGC WPS 1.0

III/ Implementation



IV/ Use case

