



Multi-sensor Evolution Analysis system: how WCS/WCPS technology supports real time exploitation of geospatial data

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EarthServer is a European Framework Program project that aims at developing and demonstrating the usability of open standards (OGC and W3C) in the management of multi-source, any-size, multi-dimensional spatio-temporal data - in short: "Big Earth Data Analytics".

In the third and last year of EarthServer project, the Climate Data Service lighthouse application has been released in its full / consolidated mode. The Multi-sensor Evolution Analysis (MEA) system, the geospatial data analysis tool empowered with OGC standard, has been adopted to handle data manipulation and visualization; Web Coverage Service (WCS) and Web Coverage Processing Service (WCPS) are used to access and process ESA, NASA and third party products.

Tenth of Terabytes of full-mission, multi-sensor, multi-resolution, multi-projection and cross-domain coverages are already available to user interest groups belonging Land, Ocean and Atmosphere products.

The MEA system is available at <https://mea.eo.esa.int>.

During the live demo, typical test cases implemented by User interest Groups within EarthServer and ESA Image Information Mining projects will be showed with special emphasis on the comparison of MACC Reanalysis and ESA CCI products.