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## Results of the "Atmospheric data Access for the Geo-spatial User Community" (ADAGUC) project

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Many tools and data formats exist for atmospherical data. To disseminate this wealth of information to the geospatial communities is still very difficult. It is complicated to easily share data among scientists representing the geospatial communities without performing some cumbersome conversions. ADAGUC aims to reduce the need for scientists to invent their own converter tools.

Selected space borne atmospheric datasets are now accessible to a GIS system in order to facilitate easy data comparison, re-sampling, selection, manipulation and visualization. For example, for the first time several atmospheric data products (NO2, CH4, cloud fraction), soil moisture products and weather model products (precipitation, wind, boundary layer height) have been made accessible to the GIS community.

Both geospatial and atmospheric user communities are involved in the project in order to obtain representative requirements. As an initial step, use cases were defined based on the user's needs and practices. These have been compiled into user requirements specifications. Based on these specifications a selection of OGC (Open Geospatial Consortium) compliant services (WMS, WFS and WCS) have been implemented for the ADAGUC datasets.

The deliverables of this project are: Open Source conversion tools, selected atmospheric datasets in a GIS-friendly format and web services. With these deliverables we aim to bridge the gap between the geospatial and atmospheric community.