StaGe – WEB application for merging Statistics and Geospatial information

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StaGe is a web mapping application for merging and presentation of statistical and spatial data. It comprises **StaGeSERVER** StaGeSERVER, StaGeADMIN and StaGeVIEW. database The map is rendered in an HTML5 canvas according to spatial data: the WMS image pixel value and the corresponding attribute value. This approach was chosen to unify the gid geom presentation of non homogenous data sets, e.g. some layers have 2 polygons with several thousand of points <MultiPolygon> while other layers are grids (having several thousand even 100 000 or more - quadrilaterals) and there is a <MultiPolygon> 2 demand to show several thousand of objects when the data upload large map areas are being viewed. Another reason for the procedures chosen approach was to move the majority of map processing from the server to the client, however, there is a question how this approach can be used in connection with standard OGC interfaces or Inspire Network statistical data: services efficiently. value gid StaGeADMIN data transform 1 value1 StaGeSERVER control service StaGeVIEW control 2 value2 data upload UI **STATISTICAL** SPATIAL **CSV ASCII** geoserver DATA DATA Statistical data can be WMS data stream automatically PC Axis SHP files downloaded from the PX files given URL and thus the map can be DBF files dynamically updated. **StaGeVIEW** 1 value1 2 value2 Sankt Jakob im Rosental WMS serves color encoded images, color of a pixel = gid Map is rendered in a client via HTML5 canvas according to the corresponding attribute values