Management of information about water resources: Brazilian experience

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The Brazilian National Water Agency (ANA), responsible for the National Water Resources Information System (SNIRH), has the responsibility to organize, deploy, and manage information about water resources in Brazil and we implement a corporate platform with Portal for ArcGIS and ArcGIS Server to deliver maps with WebAppBuilder, as well as, map interface and custom application using ArcGIS Java Script API and integrate our hydrographic database between systems and users of water resources.
Water Cartographic Database

Base Hidrográfica 2013: 7616311

CD River       7616_0
CD Main Stream 7616
CD Basin       7616311
CD Downstream  76
CD Upstream    2.376
Domain         Estadual
Dist. Trecho   15.53
Distance to River Mouth 798.68
Basin Area     100.47
Upstream Basin Area 12.881.70
Zoom para
WebApplications for each theme to Search, filter or visualize authorizations (licenses)
Custom Applications with attributes from Water Cartographic Database

Application using Reverse Geocode to identify the water distance to river mouth and upstream basin (área)
Thank you!

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