Google and GIS Integrated on the ARM Web Page

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SGP facility data ported from ACRF GIS

Mobile Facility- Heselbach, Germany

SGP CF instrument data and high resolution aerial photograph ported from ACRF GIS

RATIONALE

Google Maps has a tremendous number of satellite and street maps for the entire globe. However, what is needed by the ARM community is access to the ARM sites, facilities, and instrument data geographically. These data are managed within the ACRF GIS database but are not accessible through a Web interface. Here we incorporate the ACRF GIS data into Google API scripting code, and enhancing the Google satellite images with a high resolution custom aerial photo to add extra zoom levels. The aerial photo of the SGP CF was ordered by ACRF in 2006 and has high enough resolution (1"=100') to identify individual instruments. They were tagged and hyperlinked to their instrument pages. The other sites are currently limited to the standard Google coverage.

KEY FEATURES

➤ Double click on map to return to original screen

➤ One click zoom to each ACRF site

➤ Hyperlinks in pop-ups open new window

➤ Custom high resolution aerial photo added to Google, extending Google zoom level

➤ New instrument map layout for SGP CF overlaid on custom image

➤ Tool tips added for each marker

➤ Markers appear only at appropriate resolutions

FUTURE WORK

➤ Continue adding Instrument maps for each ACRF facility

➤ Add next China AMF site

➤ Add aerial photos for each site, when/if available

➤ Ultimately link all site maps through the ARM Google Maps site

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