

CROP: Proposed Geospatial and Projectrelated Metadata Protocols for Data Management Collaboration

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GeoCAS: new UVI infrastructure

GeoCAS in a nutshell:

- Opened on January 2012
- Funded by NSF/VI-EPSCoR new institute part of UVI CMES.
- Significant investment in geospatial and computational infrastructure for the Terrirory
- Significant investment in human resources (scientists, staff, graduate & undergraduate RA personnel)
- Providing one-stop-hub for geospatial data in USVI and the regional Carribbean
- Supporting primary research, education, management/planning, and community engagement/outreach
- Significant planned investment in the next 5-years beyond initial stage
- A number of federal and regional agreements and collaborations (incl. NOAA, USGIS EROS, etc.)



- ArcGIS Software
- ArcGIS Data Server
- ArcSDE Data Portal/Services
- Data Storage Server + Arrays



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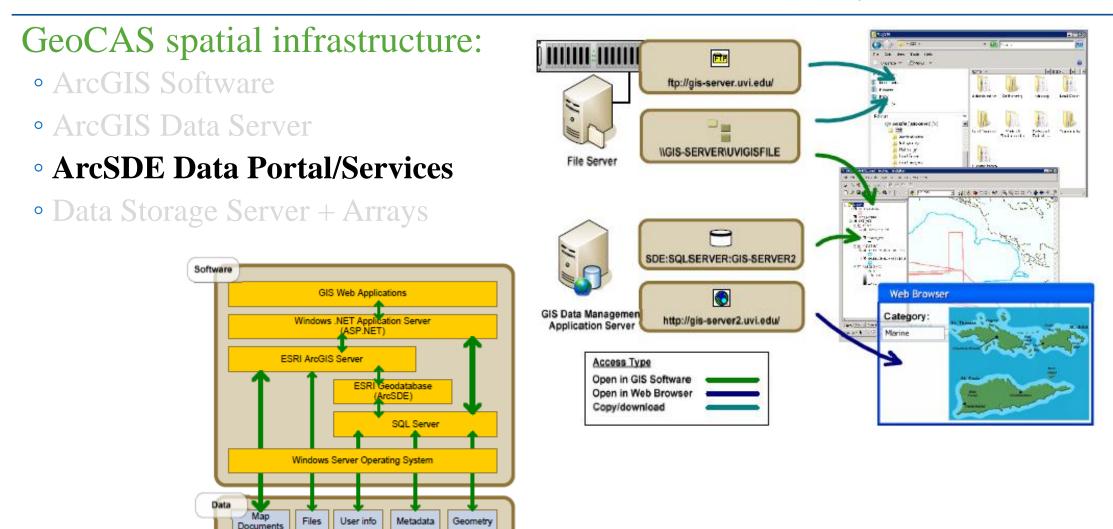
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	Geostatistical Analyst	10.1	22-mar-2	1	Yes		
	Publisher	10.1	22-mar-2	1	Yes		
	Tracking Analyst	10.1	22-mar-2	1	Yes		
	Data Interoperability	10.1	22-mar-2	1	Yes		
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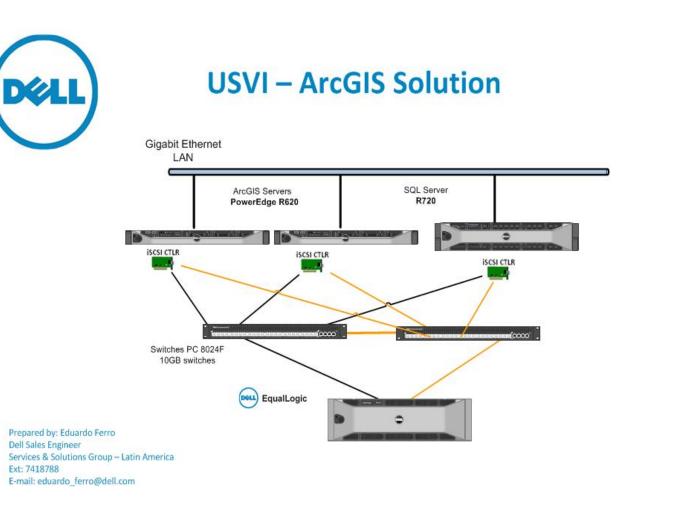
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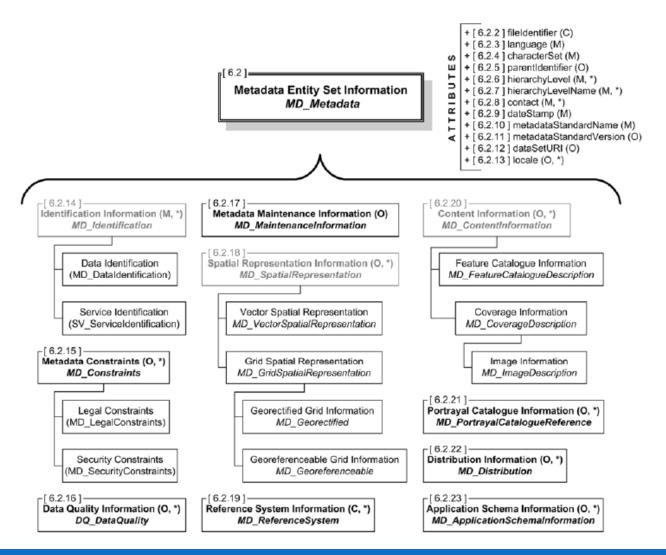


Proposed metadata protocols

Basic Metadata identification:

Compliant with North American Profile of ISO 19115, ISO 19139, and Federal Geographic Data Committee Content Standard for Digital Geospatial Metadata (CSDGM) – ISO 19115 in XML format

- File identification & contact info
- Data & Service Identification
- Constraints
- Data Quality
- Maintenance
- Spatial Representation
- Reference System
- Content + Context
- Geospatial Catalogue Reference
- Distribution
- Application Schema





Supplementary metadata protocols

Additional/Supplementary Metadata identification:

Enforced compliance with previous ISOs and XML Schemas

- CROP-specific project metadata (???)
- GeoCAS project hierarchy and resource use (including custodial chains)
- Educational metadata (UVI)
- Tracking/updating metadata (timelines, cycles, etc.)
- Usage tracking log metadata (incl. metaresearch capacity building)
- Training metadata
- Survey use metadata
- Reporting (internal, regional, and federal) metadata.

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