GeoGov Conference: 2023 FAIR Principles...Interpolated

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Findable Relationships

Are We Really Collaborating To The Extent We Could? Relationships Are Every Bit As Important As Search Engines

Imagery, etc. For The Nation **NSGIC**

Structures FEMA which is interested in building footprints and unique IDs from States and Locals

NYS and a number of other States compiling local parcel data, key to property tax revenues

USGS partnering with States

U.S. Census with State/Local governments, based on street centerlines: (Census TIGER to NYC)

Road and sidewalk widths depicted by States and Locals

Collected by everyone. States and Locals do it to support their Enterprise GIS.

National Emergency Number Association in collaboration with local PSAPs

Federal HIFLD program 700+ layers; States, Locals, and Utilities

OGC MUDDI, ASCE 38 and 75, States, Locals, and Utilities

Federal DOT Pipelines and Federal roads, rail, shipping, air routes. State and Local transit/roads

Federal funding to States and Locals to compile

All government levels involved but of uncertain coordination

All government levels but of uncertain coordination

NASA, NOAA, NGA, EPA to States and Locals

For Federal Agencies and Private Firm

Parcels

Elevation

Street Centerlines

Street Dimension

Imagery

Street Names and Address:

Infrastructure

Underground Infrastructure

Transportation

High Speed Telecom

Political and Admin Boundaries

Hydro Features

Satellite Data

State and Local Open Portals

Coalition of Geospatial Organizations (COGO)

COGO Member Organizations (Relationships!)

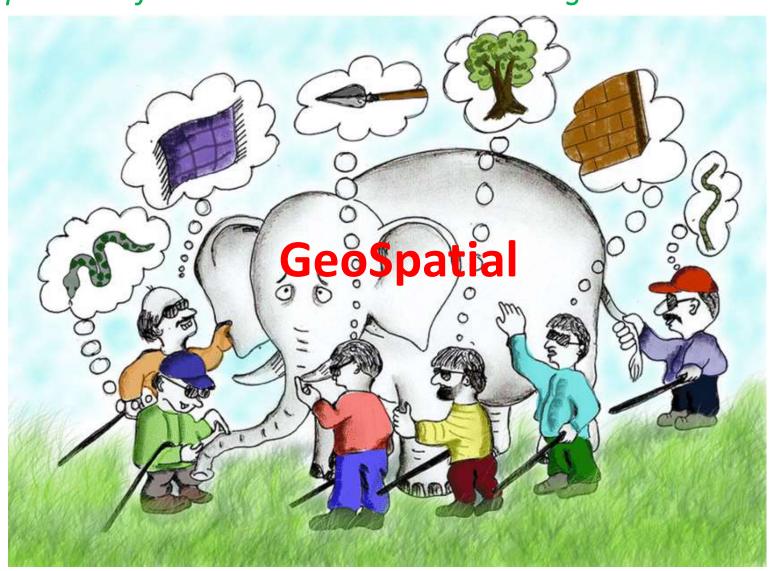
- American Society of Civil Engineers (ASCE)
- American Society for Photogrammetry and Remote Sensing (ASPRS)
- American Association of Geographers (AAG)
- Cartography and Geographic Information Society (CaGIS)
- GIS Certification Institute (GISCI)
- International Association of Assessing Officers (IAAO)
- Management Association for Private Photogrammatic Surveyors (MAPPS)
- National Society for Professional Surveyors (NSPS)
- National States Geographic Information Council (NSGIC)
- University Consortium for Geographic Information Science (UCGIS)
- United States Geospatial Intelligence Foundation (USGIF)
- Urban and Regional Information Systems Association (URISA)
- Advisory Orgs: NACo, NENA, WGA, APA, NAPSG

PROGRESS REPORT: National Spatial Data Infrastructure (NSDI)

Theme	Custodian	Grade in 2015	Grade in 2018
ADDRESS DATA	CENSUS & DOT	N/A	B+
CADASTRAL DATA	DOI	D+	C-
ELEVATION DATA	DOI	C+	B-
GEODETIC CONTROL DATA	DOC	B+	A -
GOVERNMENT UNITS DATA	DOC	C	A -
HYDROGRAPHY DATA	DOI	C	B-
ORTHOIMAGERY DATA	DOI & USDA	C+	B-
TRANSPORTATION DATA	DOT	D	C
OVERALL GRADE		C	B-

Accessible ——— Understandable

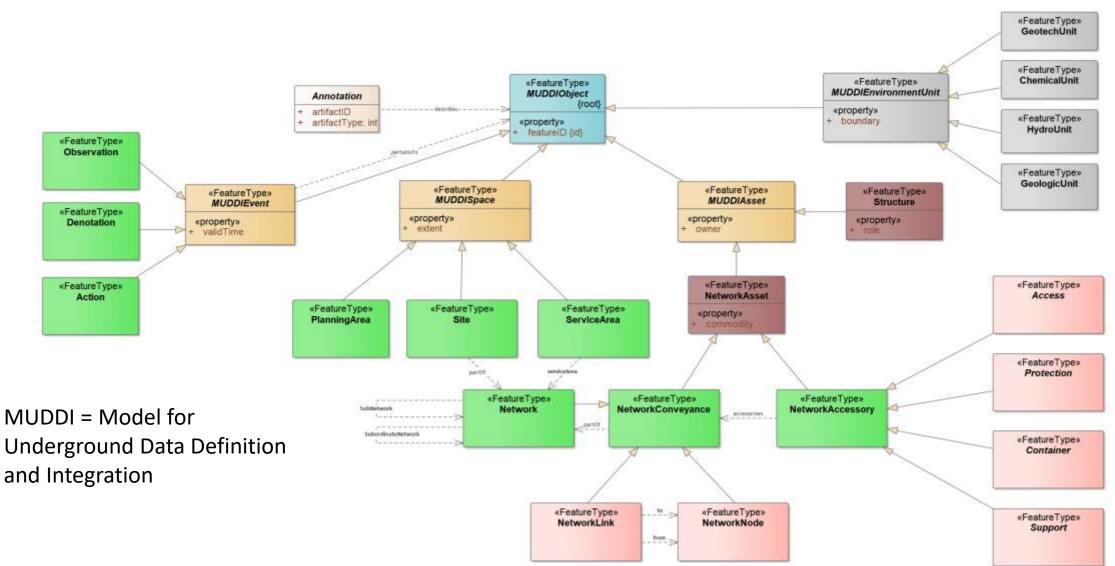
We Haven't Perfected Our Communications With The Wider Community GIS Applications for Disaster and Pandemic Management Can Be Improved



Interoperable

Standards

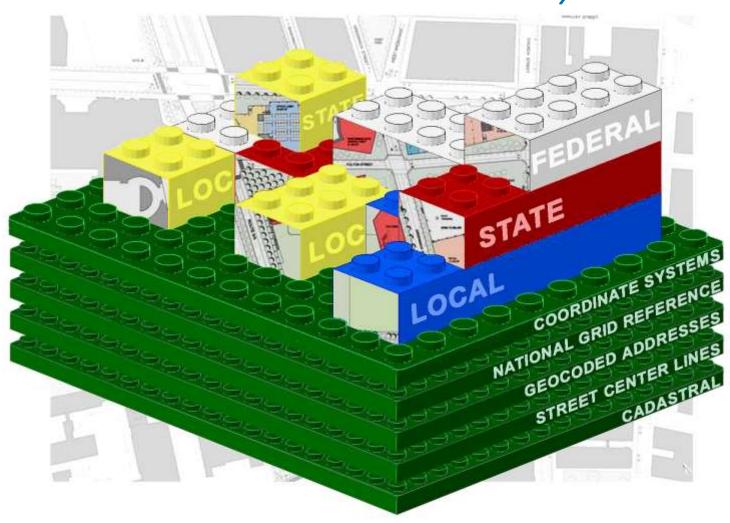
OGC MUDDI Model Overview - Being Implemented by U.K. Add Natural and Built Environment to Key Data Themes



Repeatable

Leadership/Vision/Sharing

The Building Of Spatially Standardized National Data The Vision Must Be Shared and Built By All Involved



One Map To Bind Them All

Suggested Next Steps

- Focus on Geospatial Standards and Maturity Models In Key Functional Areas
 - Pandemic: OGC Health Concept Development Study (CDM), NSGIC Study
 - Disaster Preparedness and Response: Disaster Pilot 23, GeoCONOPS
 - Supply Chains: FEMA
 - Planning, Architecture, Engineering, Maintenance Data Lifecycles: OGC/ASCE MUDDI
 - Natural Environment/Geology: NOAA, NASA, USGS, States, Locals
- Even More Federal Leadership
- Bring to the table GIO's of municipalities and counties: URISA, NACo, NLC
- More rigorous, funded, results oriented collaborations
- P.R. Campaign at all levels to boost the importance of Geospatial
 - NSDI should be a cause for which national support can be built (T-Shirts, Caps?)
 - Geospatial boosts the power of A.I., sensors, citizen science