

NSGIC Statewide Geospatial Maturity Assessment (GMA) Model



Problems a GMA Solves

- Objective reporting
- State to state comparisons; national compilation
- Platform for communication and planning



What is a Maturity Model?

- A structured collection of elements that describe certain aspects of evolution in an organization
- A maturity model can be used as a benchmark for assessing different organizations for equivalent comparison*



* Wikipedia



GMA Mission/Vision

- Mission:
 - To create a common, credible assessment methodology to routinely and continuously monitor and validate statewide geospatial capabilities
- Vision:
 - The results of the Annual state Geospatial Maturity Assessments will guide state geospatial investment prioritizations. National compilations are created for national context, visualization and prioritization



Next Gen NSGIC State Summary: GMA

- Beta GMA model available
 - <http://tinyurl.com/22oddxw>
 - Measures the maturity of the following 7 sections and related sub-items:
 - People, Data, Processes, Policy, Strategy, Technology, Legal
 - Will be shared via GISInventory, if possible



GMA Goals

- Overview of statewide geospatial components, including the Fifty States Initiative
- Tool for assessing geospatial service delivery across state agencies and within a national framework
- Communication tool



GMA Goals

- Foundation for statewide geospatial strategic planning
- Guide FGDC visioning and any resulting programs, such as the Fifty States Initiative



GMA Intentions

- Model for all states
 - Supports NSDI
 - Integrates with State Summaries (Next Gen)
 - Can be adaptable
- Base for scorecard and/or actionable items for each item or category
- Framework for regional/local governments to “feed” up to state GMA
- National compilation



History & Evolution of NSGIC State Summaries

- 1992-2003: State written reports
- 2004-2005: Reports based on coordination criteria
- 2006: Online survey (SurveyMonkey)
- 2007-2009: Online survey (GISInventory)



Known Challenges

- Determine delivery platform (GISInventory desired)
- NSGIC Issues
 - States don't generally feel any obligation to NSGIC
 - Not all states rely on the information
 - Little consistency from year to year
 - This process will likely continue to evolve
- Improve the utility of the information
- Increase external pressure to participate



Future Vision

- Statewide GMA becomes compilation of URISA GISCOMMs
- “Nest” COGO NSDI Report Card within GMA Data section or visa-versa
- GMAs “feed” GeoLOB Life Cycle Metrics
- Variety of outputs:
 - (Defensible) Dashboard that can be viewed from National to Local level
 - Reports that categorize information as needed



Possibilities for Grant Option Year 2

- “Metric Cards” to support each GMA item

People			
1. The State has a GIO or equivalent position (referred to as GIO herein).			
Item	Target	Reality	Completion
GIO is dedicated full-time to this work.	Yes	Half-time	50%
GIO is paid for performing this work.	Yes		100%
GIO is evaluated for performing this work.	Annual	Annual	100%
GIO position is recognized as cabinet level technology advisor.			
GIO is authorized by statute, regulation or executive order to perform this work.	EO	EO	100%
2. Work related to the below functions is being accomplished?			
Item	Target	Reality	Target Completion
The GI Council meets regularly throughout the year	10x/year	10x/year	100%
The GI Council has a channel of communication to executive leadership	<10 2x/year	0x/year	0%
Of all state agencies, the following percentage is targeted for participation on the Council	60% agency participation	40%	66%
[Enumerate agencies with representative participation, if desired]	>75% regularity		
A quorum of the GI Council membership is present at meetings	80%		



Questions/Comments/Concerns

- USGS Grant Principal Investigator (PI)
- NSGIC GMA Work Group Chair + Board Member



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