

# NSDI Subcommittee Update



National Geospatial Advisory Committee Meeting  
October 16, 2024

# NSDI Subcommittee– Work Group Composition (9/24)

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<b>Data Access</b>
<i>Clio Andris, Ryan Matke, Curtis Pulford, Jill Saligoe-Simmel*</i>
<b>Standards</b>
<i>Holli Howard, Clio Andris, Ryan Matke, Curtis Pulford, Siva Ravada, Jill Saligoe-Simmel</i>
<b>Quick Wins</b>
<i>Bert Granberg, Nadine Alameh, Leslie Jones, Curtis Pulford, Siva Ravada, Kathleen Stewart, Tim Trainor</i>
<b>Best Practices</b>
<i>Ryan Matke, Bert Granberg, Leslie Jones, Jill Saligoe-Simmel</i>
<b>Data Lifecycle</b>
<i>Breece Robertson, TBD</i>
<b><i>Not yet assigned</i></b>
<i>Jack Dangermond, Vasit Sagan, Phil Thiel</i>

# NSDI Subcommittee– Timeline / Next Steps

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<b>Milestone/Deliverable</b>	<b>Date</b>
Best Practices, Metadata MVP Guidance - final draft / review	Dec 2024
Best Practices, Metadata MVP Guidance - approve final	Feb 2025
Best Practices, User-Centric Data Discovery & Use - final draft / review	Dec 2024
Best Practices, User-Centric Data Discovery & Use - approve final	Feb 2025
NSDI Near-term Opportunities Paper - final draft / review	Dec 2024
NSDI Near-term Opportunities Paper - approve final	Feb 2025

# NSDI Subcommittee – Best Practices, Metadata MVP Guidance

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- General Recommendations, **MVP Required Content Items** [Draft]
  - Title
  - Summary (Purpose) / Intended Use = 7th grade level
  - Description (Abstract) - who, what (attributes?), when, where, why (especially conveying official uses) - includes data limitations
  - Tags or categories
  - License / Terms of Use
  - Extent / Geographic location or tags
  - Dates:
    - time period of content
    - publication date
    - expected update frequency
  - Contact org/agency (can be creator or publisher, ideally persistent email address)
  - Status - authoritative, deprecated, retired, completeness
  - Distribution URLs

# NSDI Subcommittee – Best Practices for User-Centric Data Discovery & Use

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- a.k.a. "Best Practices for Publishing Geospatial Data to the Web"
- Short paper to include:
  - Outline of challenges
  - Use Cases
  - Generalized, technology neutral guidance
  - Recommendations:
    - Best Practices include:
      - Metadata MVP Guidance - reference final paper
      - Persistent and SEO Urls
      - Licensing
    - FGDC or Individual Agencies adapt/adopt for specific technology platforms
    - Federal Agencies model implementation examples

# NSDI Subcommittee – Best Practices, Metadata MVP Guidance

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- General Recommendations, **MVP Recommended Content:**
  - Acknowledgements (Credits)
  - Creator
  - Publisher
  - Citation
  - Attributes (best practices, titles and definitions)
  - Metadata Standard/Style
  - Thumbnail
  - Projection/Coordinate system
  - Key Dates: (Release date, Time period of content, Release schedule)

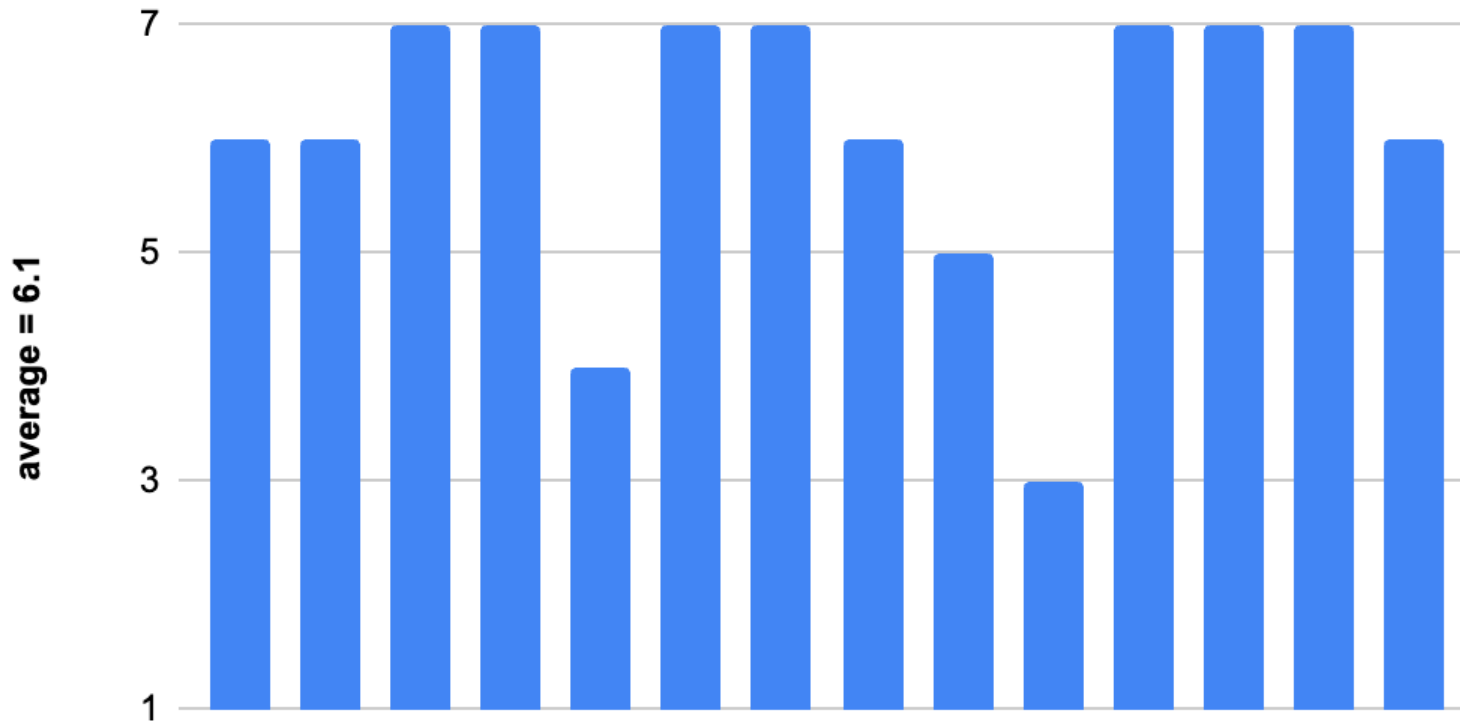
# NSDI Subcommittee – Near Term Opportunities

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- Recommendations: "Quick Wins", achievable within a 2-3 year timeframe
- 5-8 page paper with profiling select opportunities and their anticipated benefit
- Opportunities, informed by Subcommittee survey (and discussion today)
  - 14 Respondents
  - 10 opportunity suggestions
  - Scored 1 to 7
  - Broad overall support (averages range from 5.3 to 6.1)
  - Lower individual responses can indicate:
    - "need more info" (shared as a comment)
    - objection to a portion of opportunity description

# NSDI Quick Wins Paper - Topics Survey

## #1 Definitively Answer "What is the NSDI?" (include data/services within definition)

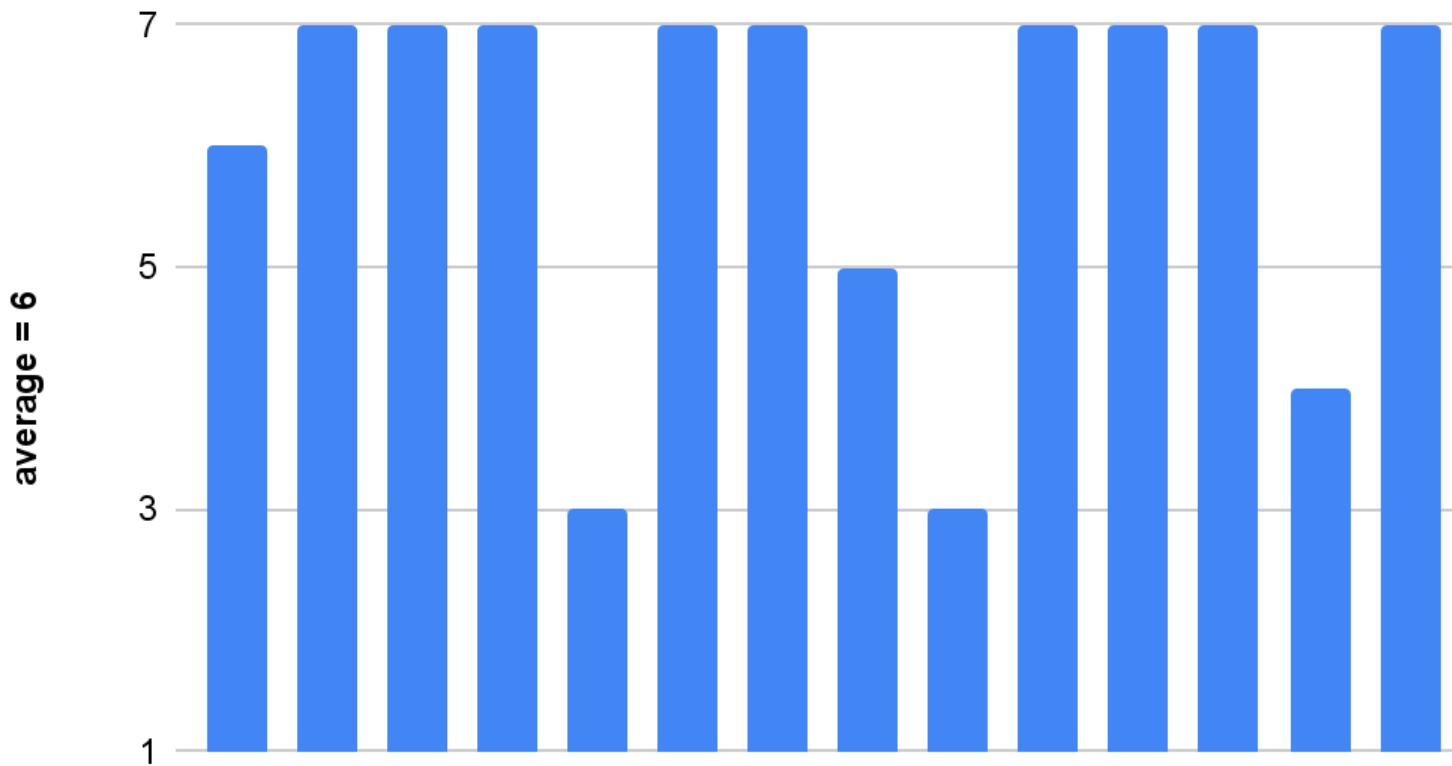


**Comment Summary:** More specific, pragmatic, inclusive, and measurable definition that speaks to the *usability* of content, tools, and platform and *roles of stakeholders* in geospatial ecosystem (complementary to formal language in GDA). Support for rebranding, logo updates.



# NSDI Quick Wins Paper - Topics Survey

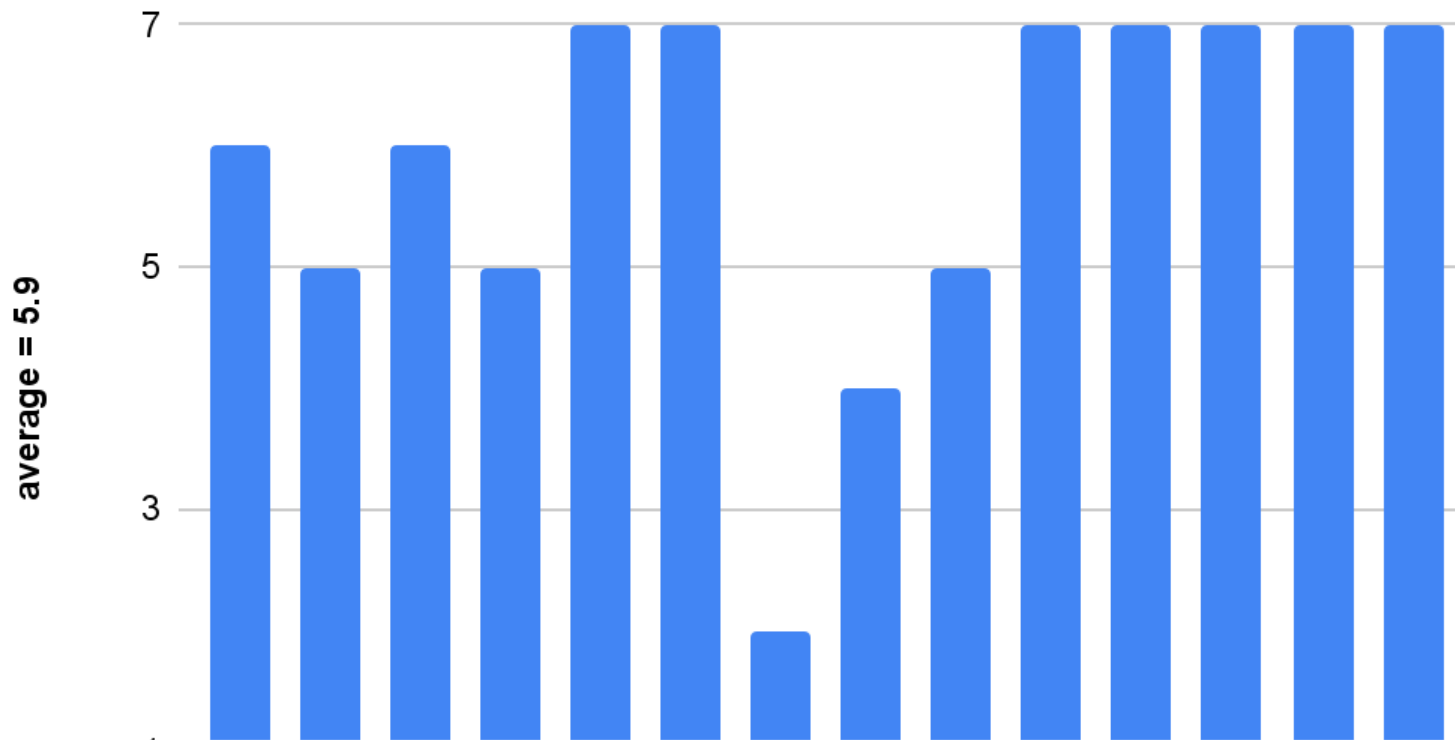
## #2 Implementation Plans for NGDA Themes



**Comment Summary:** Improve the quality and the accessibility to the data/information. Ensure some reconsideration of current methods by involving more than just lead agency (e.g. data consumers) in the process. Strong support for giving thought to better, ready-to-use data

# NSDI Quick Wins Paper - Topics Survey

## #3 Defining a Tier Structure for NGDA layers



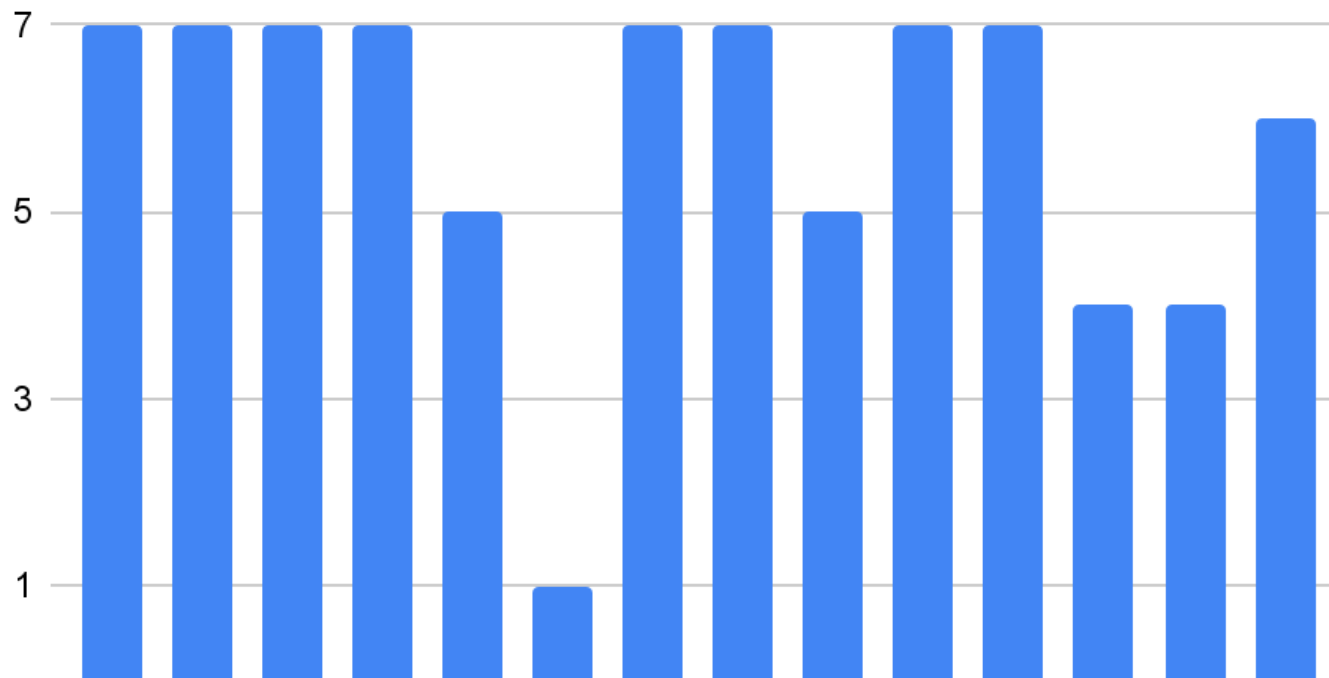
**Comment Summary:** All the NGDAs are important but some are more foundational. Any level of prioritization would help both data managers and data users. Treat data "as a product" and consider data product lifecycle. Consider some measure of utilization.

# NSDI Quick Wins Paper - Topics Survey

## #4 Articulate Highest-Level NSDI Use Cases and Core Capabilities



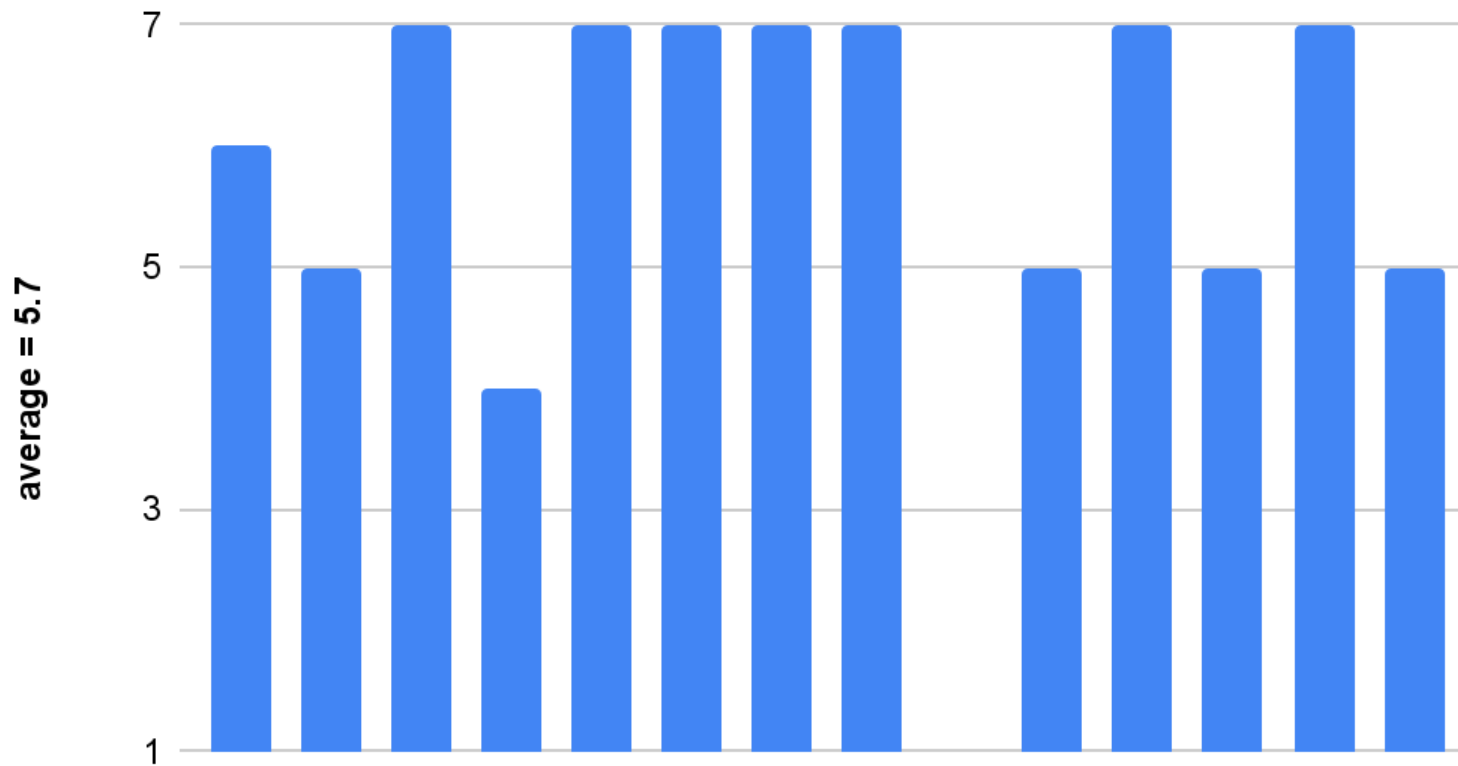
average = 5.8



**Comment Summary:** Several primary cases should be geared towards key applications (e.g. economy, disasters, agriculture, public safety, public health, etc). Express as personas, at different levels/sectors

# NSDI Quick Wins Paper - Topics Survey

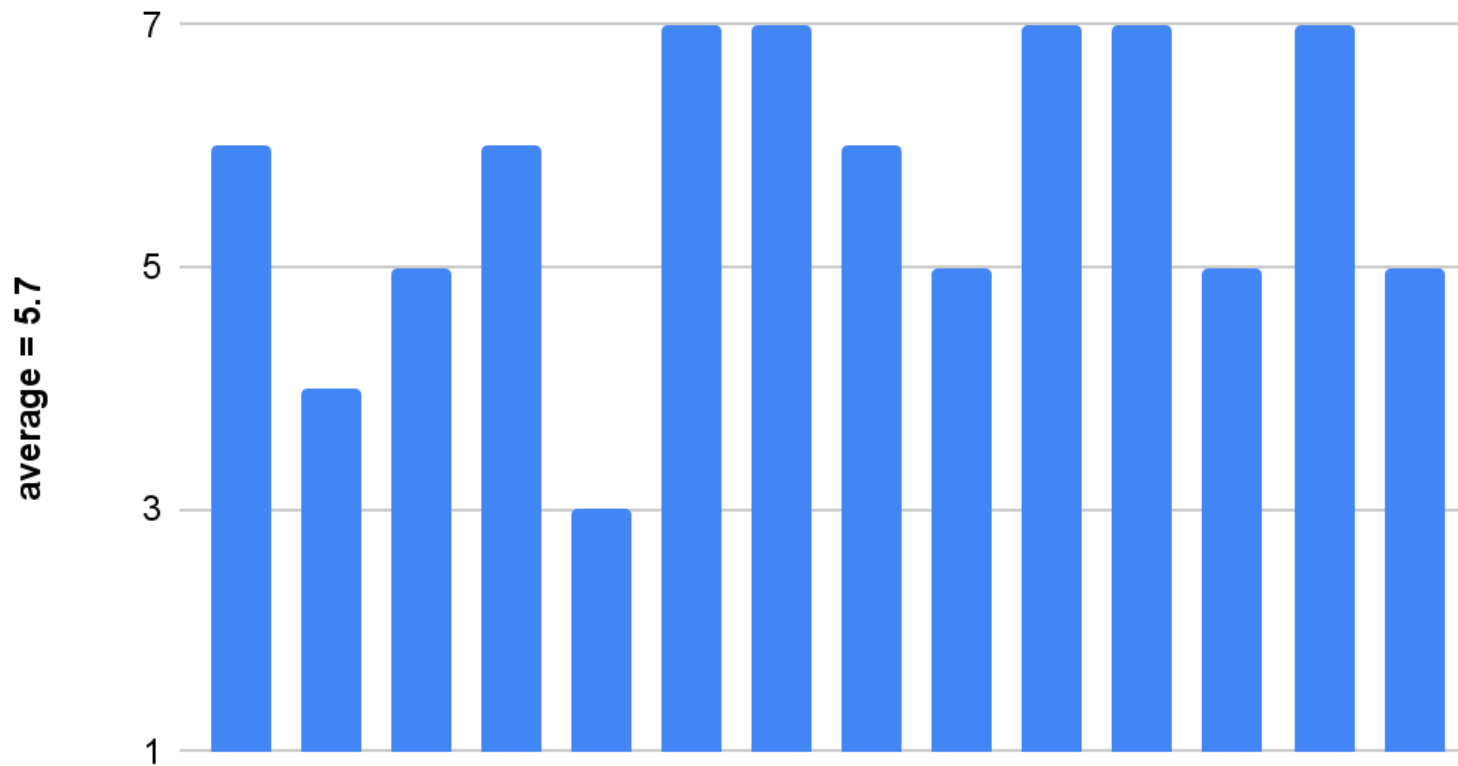
## #5T Recommend an MVP set of Metadata Content



**Comment Summary:** Could center around metadata purpose, e.g, discoverability, usability. MVP could align with the soon to be released DCAT3-US FAIRness project. Higher impact might include best practices, e.g., user friendly titles and summaries for discovery

# NSDI Quick Wins Paper - Topics Survey

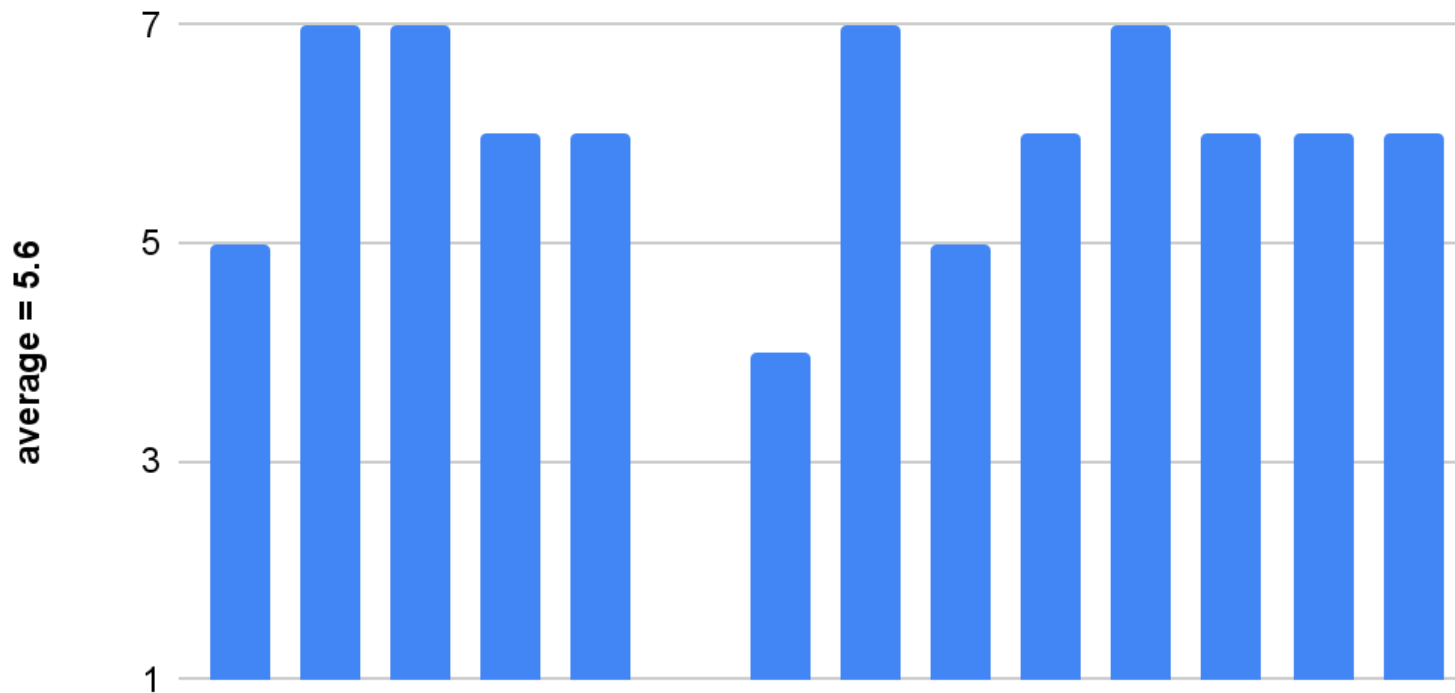
## #5T Best Practices Published by FGDC Members



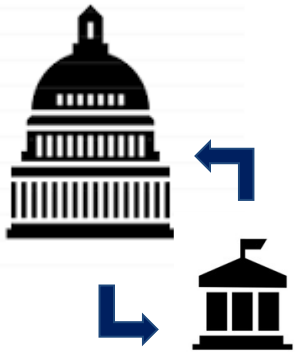
**Comment Summary:** Yes, this should be done. Can this be part of periodic reporting? Can best practices be recognized, commended?

# NSDI Quick Wins Paper - Topics Survey

## #7T Illustrate Importance of Top-Down & Bottom-Up Data Flows

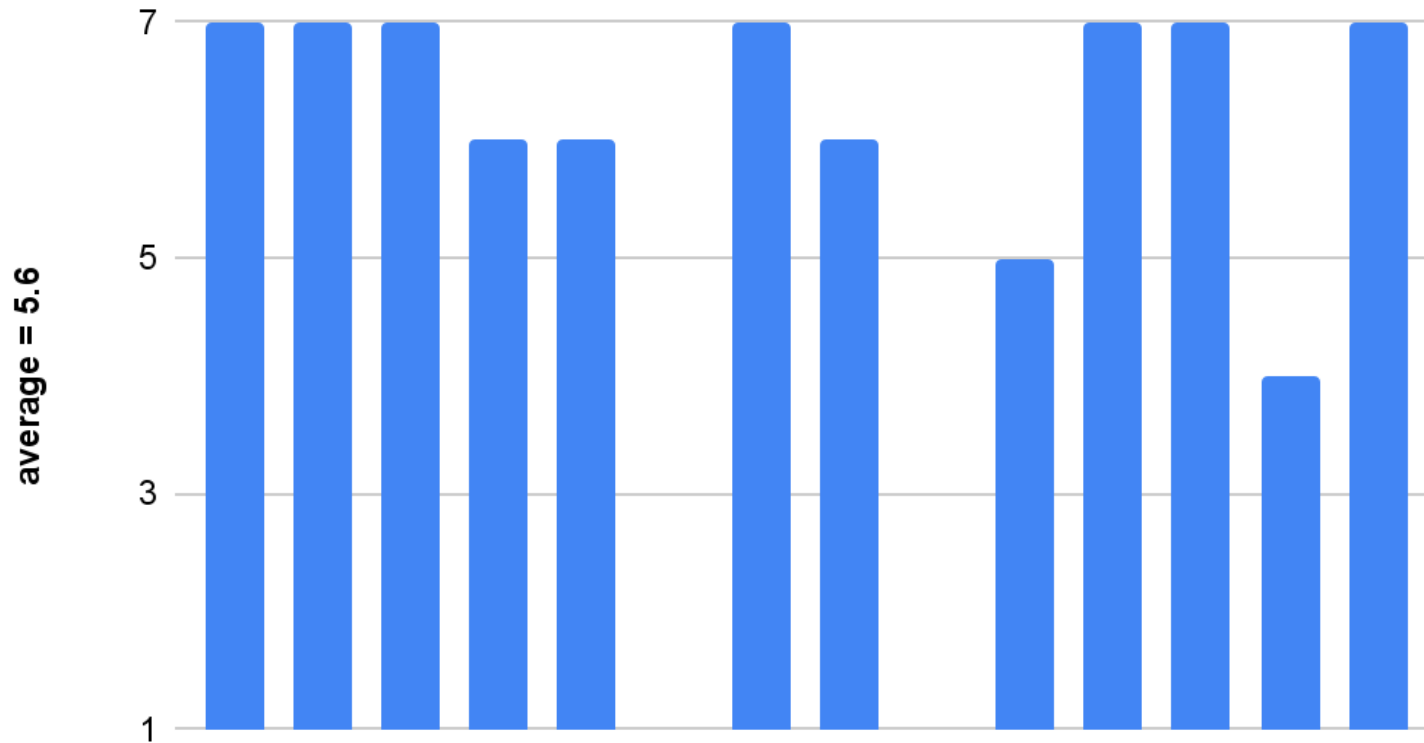


**Comment Summary:** Simply list the diversity of geospatial data components and those entities, at different-levels that play a role in data production. Convince all levels that they are all responsible for advancing the NSDI. What are consequences of not sourcing data differently?



# NSDI Quick Wins Paper - Topics Survey

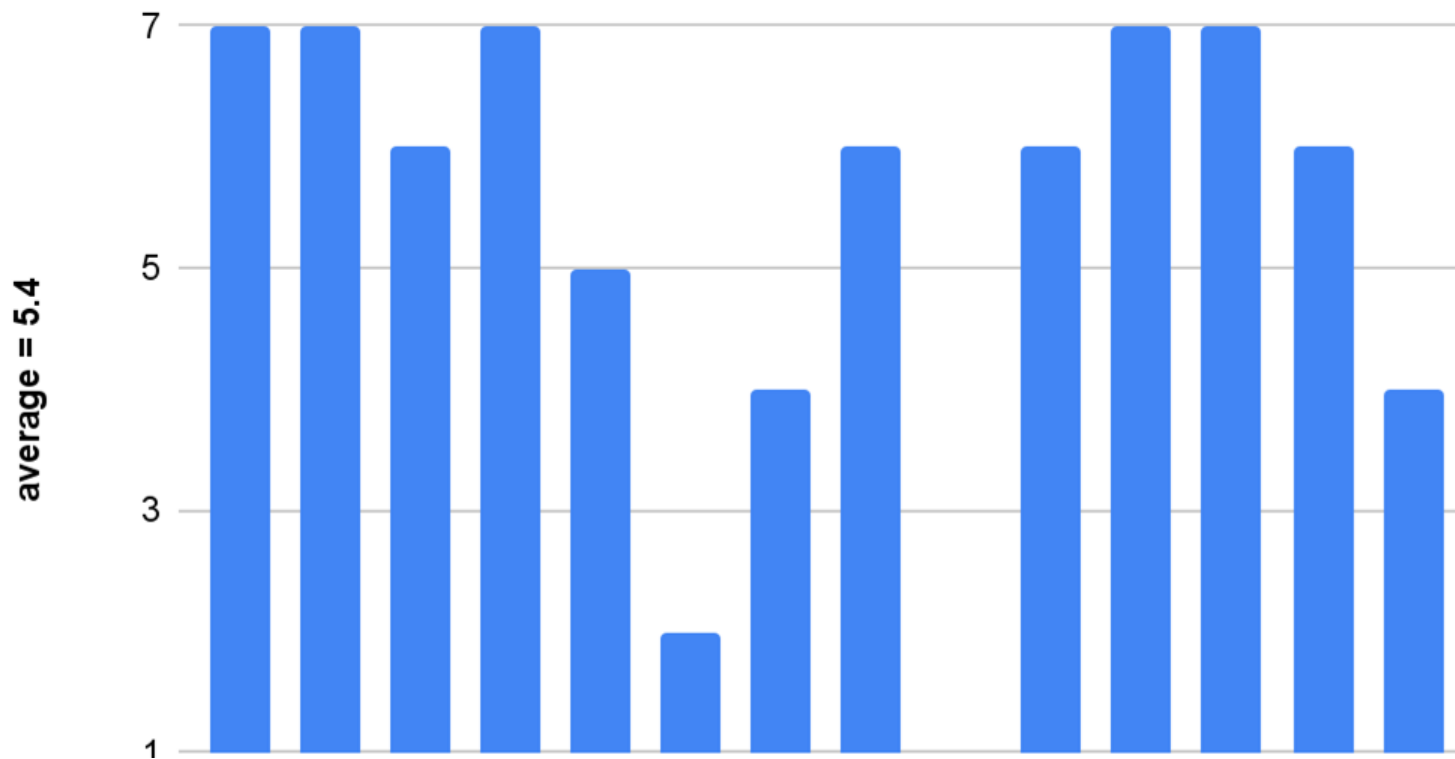
## #7T Produce NSDI Website (Curated Data Guide)



**Comment Summary:** NGDA awareness and utilization is well-below potential. Look at other SDI portals for better web presence and end-user communications examples and naming/branding approaches. Site design should be user-centric, efficient, low maintenance, & *"maybe include search"*

# NSDI Quick Wins Paper - Topics Survey

## #9 Support NSDI Pilot Projects

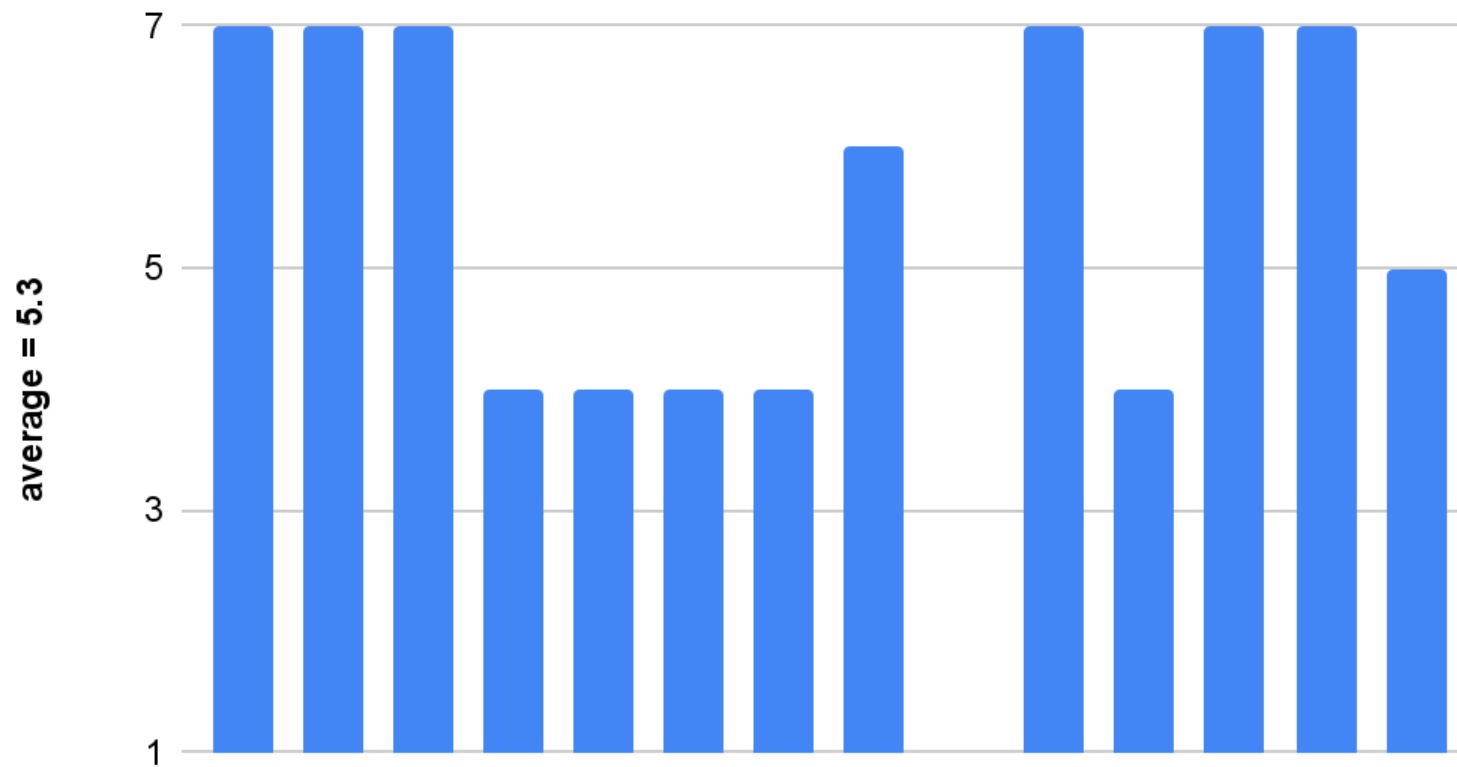


**Comment Summary:** Pilots are valuable, and need to be scalable. Do we need additional pilots or do we need to catalog previous/current pilot projects and best practice demonstrations, or both. "Modernizing the NSDI" pilot project contract with OGC is underway



# NSDI Quick Wins Paper - Topics Survey

## #10 Recommend Adding "Open License" to Data



**Comment Summary:** A quick win. Recommendation could prioritize open licenses for NGDAs and could be based on proven practices, such as recommended by the EU Open Data directive. Several "want to know more about this" comments.

# NSDI Quick Wins Paper - Additional Suggestions??

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- Improve ability to find "fit for purpose" data resources
- Standard language/terms for describing the quality of a dataset
- Re-envision NDS Infrastructure as an "ecosystem" of data, services, and tools
- Suggest a dedicated budget for NSDI
- Pilot direct federal consumption of local government data, perhaps for Census datasets
- Identify duplicative/related Federal efforts and streamline through cross-agency management/support agreements

# NSDI Quick Wins Paper - Next Steps

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- Discussion today (as time allows)
- Opportunity Selection and Ordering
- Paper Outline
- Develop Opportunity Sections
- Review / Refine within Subcommittee
- NGAC review
- Vote to Adopt Final Version