



2018 FRAMEWORK DATA INVENTORY AND ASSESSMENT

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WHAT IS THE FRAMEWORK DATA INVENTORY AND ASSESSMENT?

navigatOR Comprehensive Evaluation

Framework Data	Technology & Procedures	Institutional Relationships & Business Practices
<ul style="list-style-type: none">•What are the identified Framework data elements?•What is the maturity of the identified Framework data elements•Are the data elements organized appropriately?	<ul style="list-style-type: none">•How well are the implemented technologies and procedures meeting the needs of the SDI user community?	<ul style="list-style-type: none">•How effective are the relationships and business practices for meeting the navigatOR goals?•What resources, funding, and practices are needed to achieve desired navigatOR maturation levels?

- Specific outcomes:
 - Evaluate maturity of Oregon's Framework data elements
 - Review composition of Framework themes
 - Review organization of data elements among themes

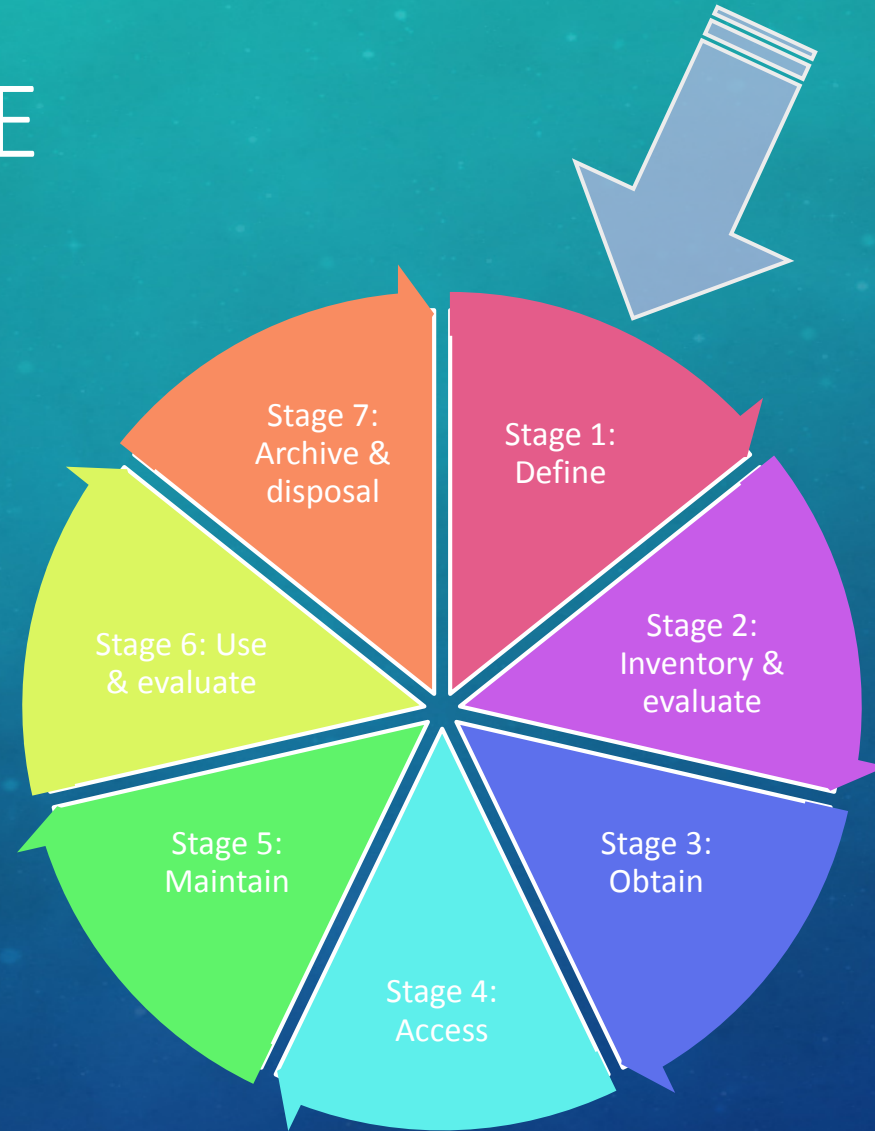
WHY IS IT NECESSARY?

- To advise OGIC in planning and policy activities:
 - Strategic planning
 - What composes the Framework?
 - What is its status?
 - Replace current fees and funding mechanisms with more supportive funding mechanism
 - data development and maintenance
 - Identify funding gap
 - between current spending and Framework maturity
 - Take Framework data management to next level (increase structure and coordination)

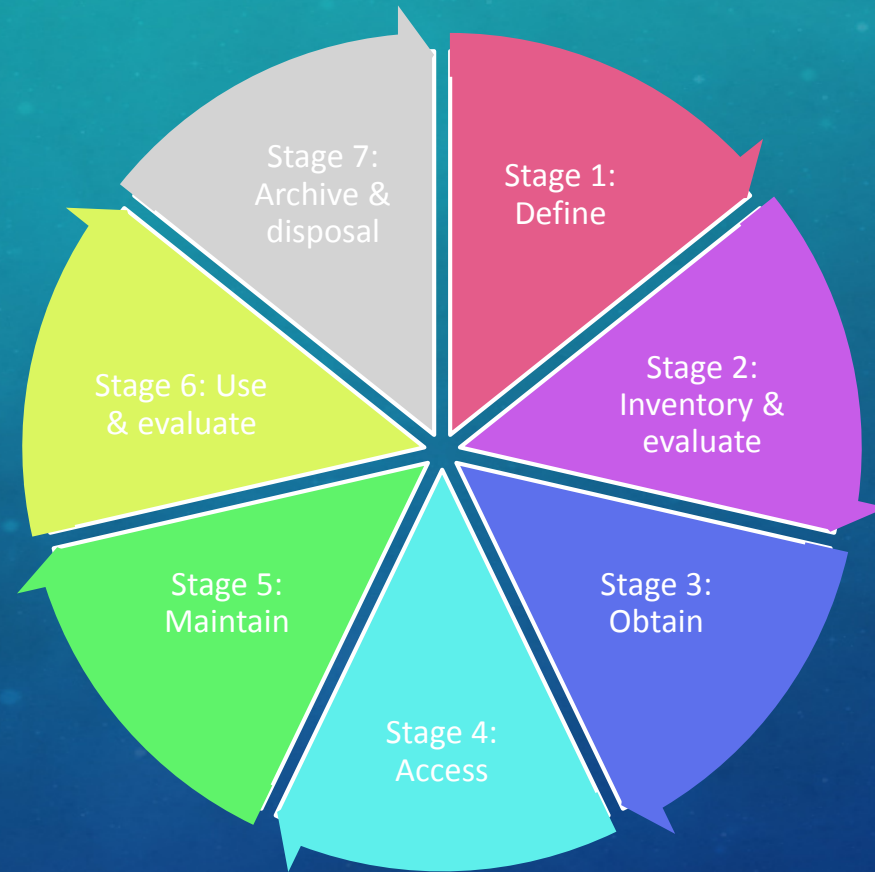
ASSUMPTIONS

- Data maturity is achieved when data:
 - requirements and uses are well-defined
 - aligns with goals and users' objectives (i.e., business needs)
 - sufficiently funded to meet goals and users' objectives
 - complete in geographic extent and resolution relative to defined business needs
 - accessible
 - maintained to defined standards
 - evaluated regularly to ensure continued alignment with needs and goals
 - adapted in response to evaluation results and other key change mechanisms

DATA LIFE CYCLE



DATA LIFE CYCLE



THE SURVEY



Framework Data Inventory & Assessment (v0.2)

GENERAL QUESTIONS

* 1. What data element is being evaluated?

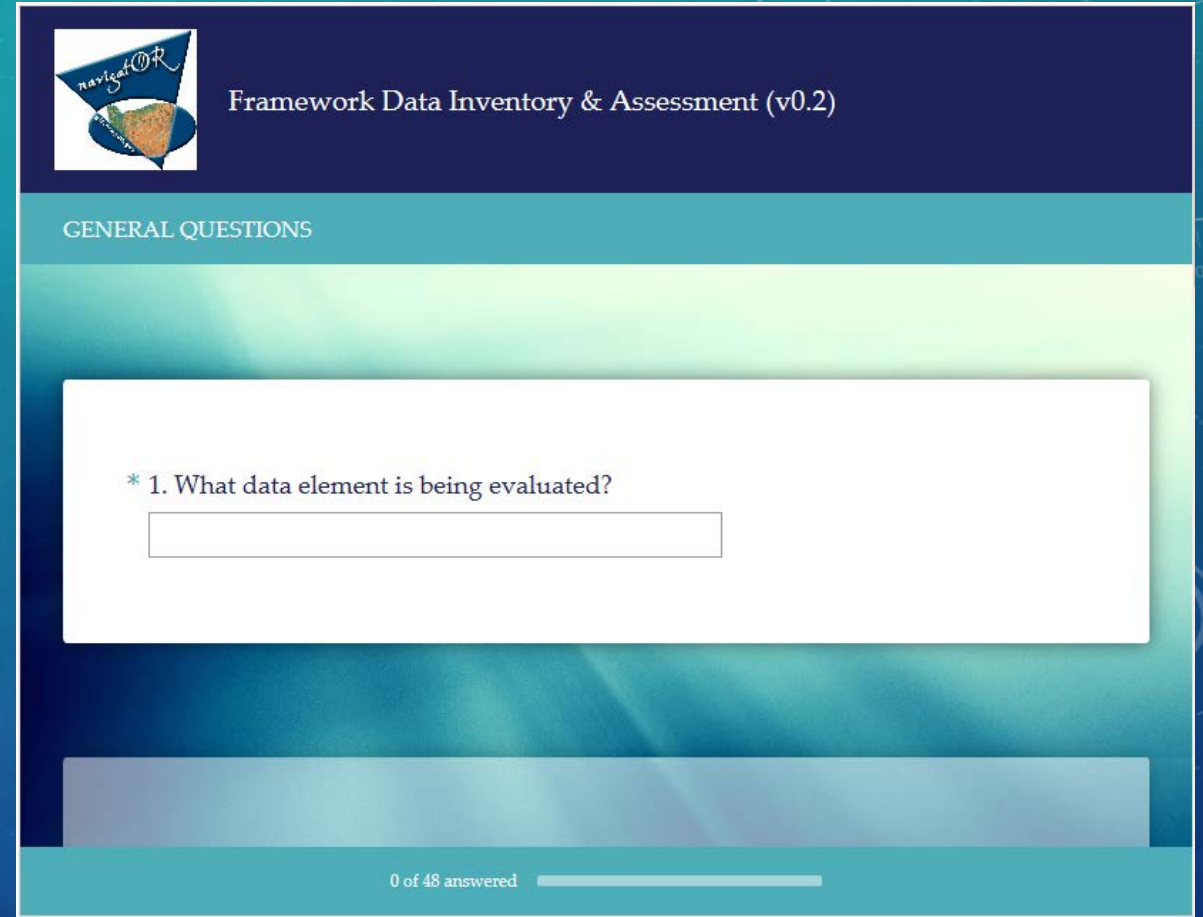
0 of 48 answered


ASSUMPTIONS

- Online survey format meets majority of user needs
- Each completed survey to be reviewed prior to final submission
- FIT themes coordinate survey completion
- Framework Coordinator provides guidance and assistance

SURVEY DESIGN


- Online Survey Monkey survey
- Multiple choice questions with or without comment fields
- Multiple selection questions
- Few open-ended questions
- Maturity assessment question response to be quantified on a 1 to 6 scale
- “Skip question” logic used as appropriate



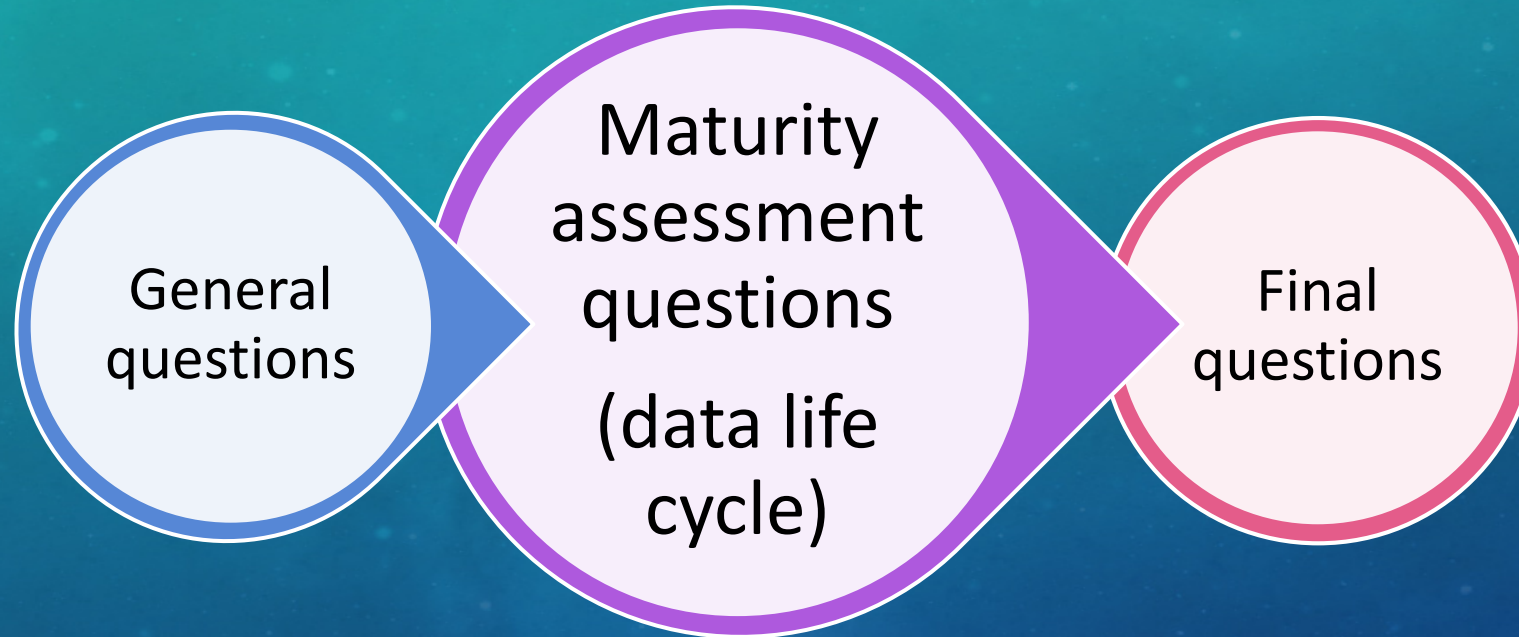
 Framework Data Inventory & Assessment (v0.2)

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0 of 48 answered 

SURVEY ORGANIZATION



- Optional archive and disposal questions

- Request copy of responses & file format

SURVEY ORGANIZATION

- 57 questions, including contact information and identifiers

Category	No. of questions
GENERAL QUESTIONS	19
THEME ORGANIZATION	1
FUNDING	5
DEFINE/PLAN	8
INVENTORY/EVALUATE	2
OBTAIN	6
ACCESS	4
MAINTAIN/STEWARDSHIP	5
USE/EVALUATE	2
ARCHIVE/ADVANCED LIFE CYCLE STAGE	2
LAST QUESTIONS (Informational)	3

ANALYSIS

- What is the maturity of Framework?
- What is the maturity of its components?
 - Data element maturity
 - Theme maturity

MATURITY LEVELS

Response	Proposed Response Metric
Fully implemented	Optimized/established Level = 6
Implementation well established	Mature/consistent Level = 5
Implementation progressing	Managed/predictable Level = 4
Developed, documented, and implementation started	Transition/transformation Level = 3
Under development	Planned/initial development Level = 2
No [process, business requirements, methods, etc.] are [defined, exist, etc.]	No activity Level = 1

PRELIMINARY DATA

- 38 responses
- Collected between 3/1 and 3/9
- Grouped by category/maturity stage

METHODS

- Data coding
 - Create groups, identifiers, point value assignments
- Descriptive statistics
 - Mode – most numerous response
 - Minimum, maximum, count, etc.
 - Shape of response data
- Statistics to be generated:
 - Per question
 - Per category
 - Overall

METHODS: MATURITY INDICES

Data element

- Aggregation of all maturity indicators for the data element
- 1 survey completed per data element

Theme

- Aggregation of all data element maturity indices within a theme
- Multiple surveys per theme

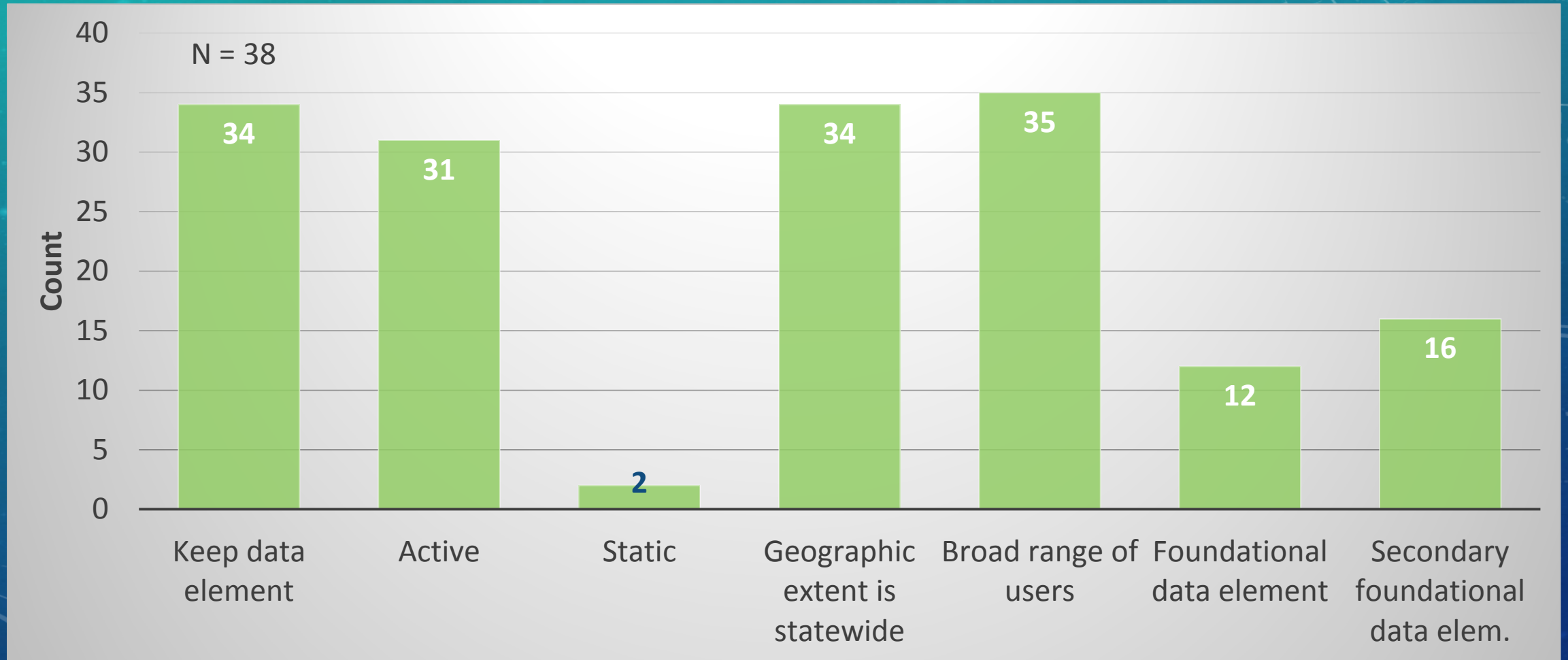
PRELIMINARY RESULTS

The background features a teal-to-blue gradient with a field of small, glowing particles. On the right side, there are several technical diagrams: a large circular gauge with a scale from 0 to 210, a smaller circular diagram with concentric rings, and a partial circular diagram at the bottom left. All diagrams are rendered in a light, semi-transparent style.

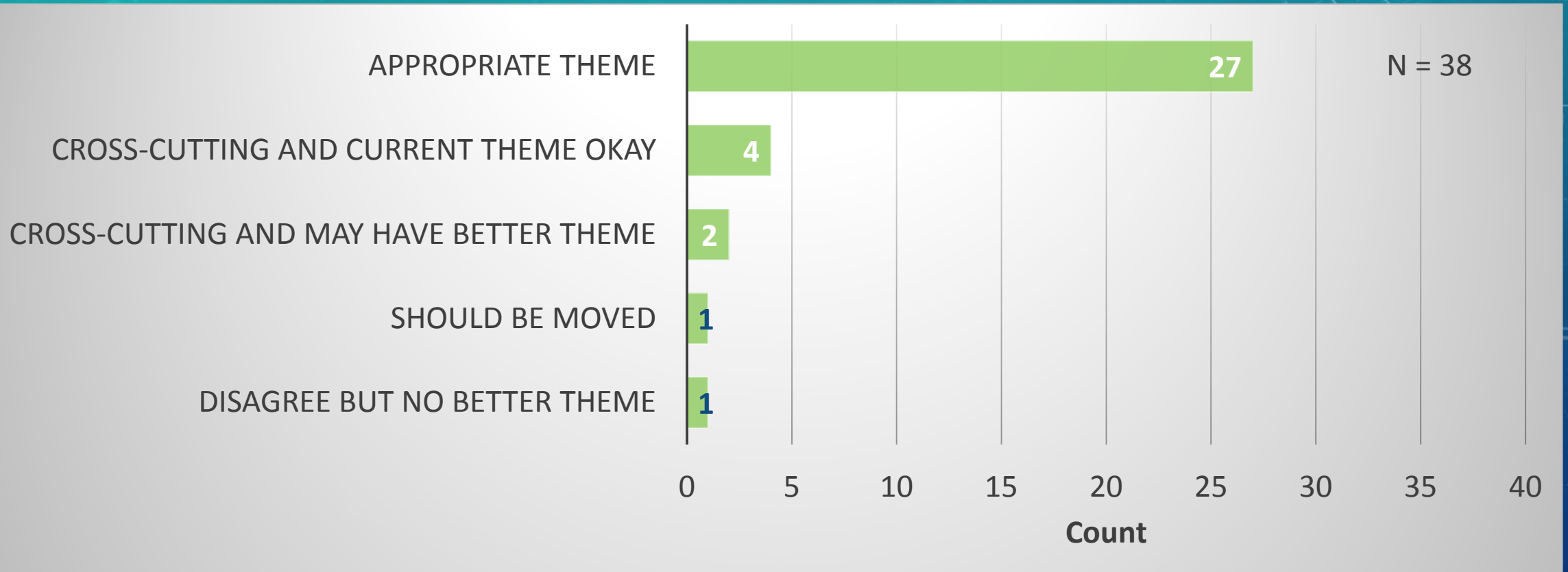
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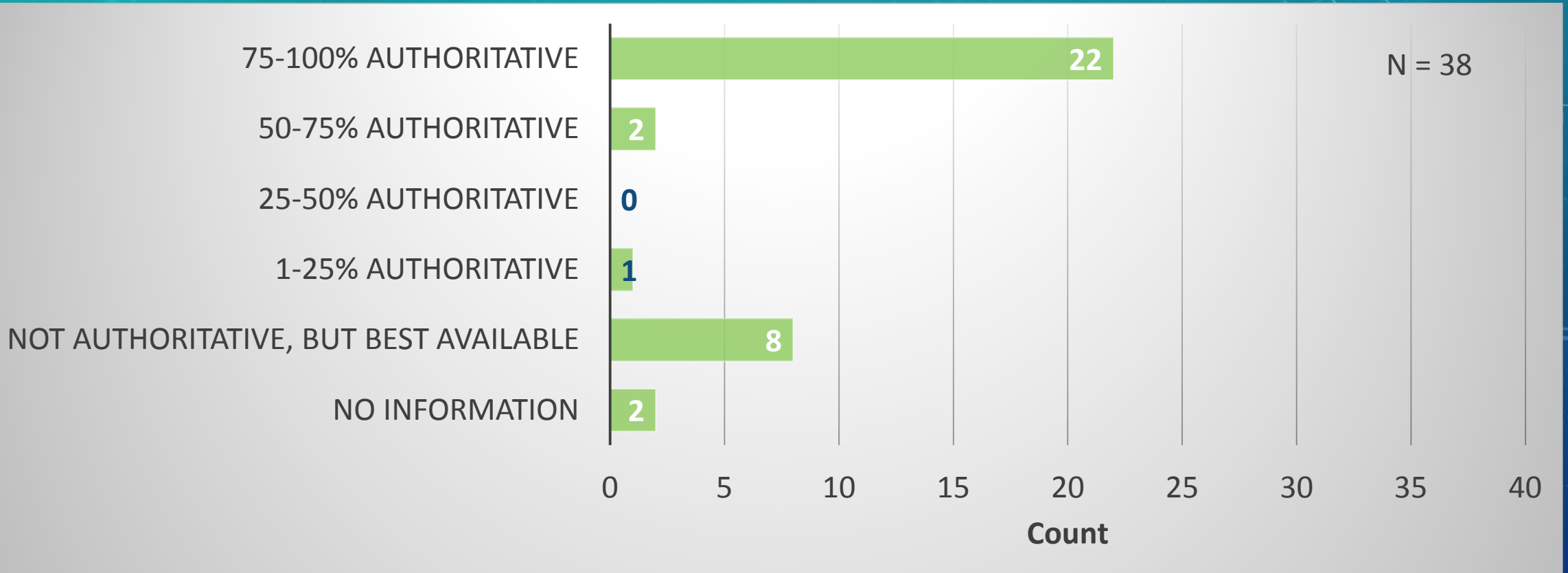
GENERAL QUESTION RESPONSES



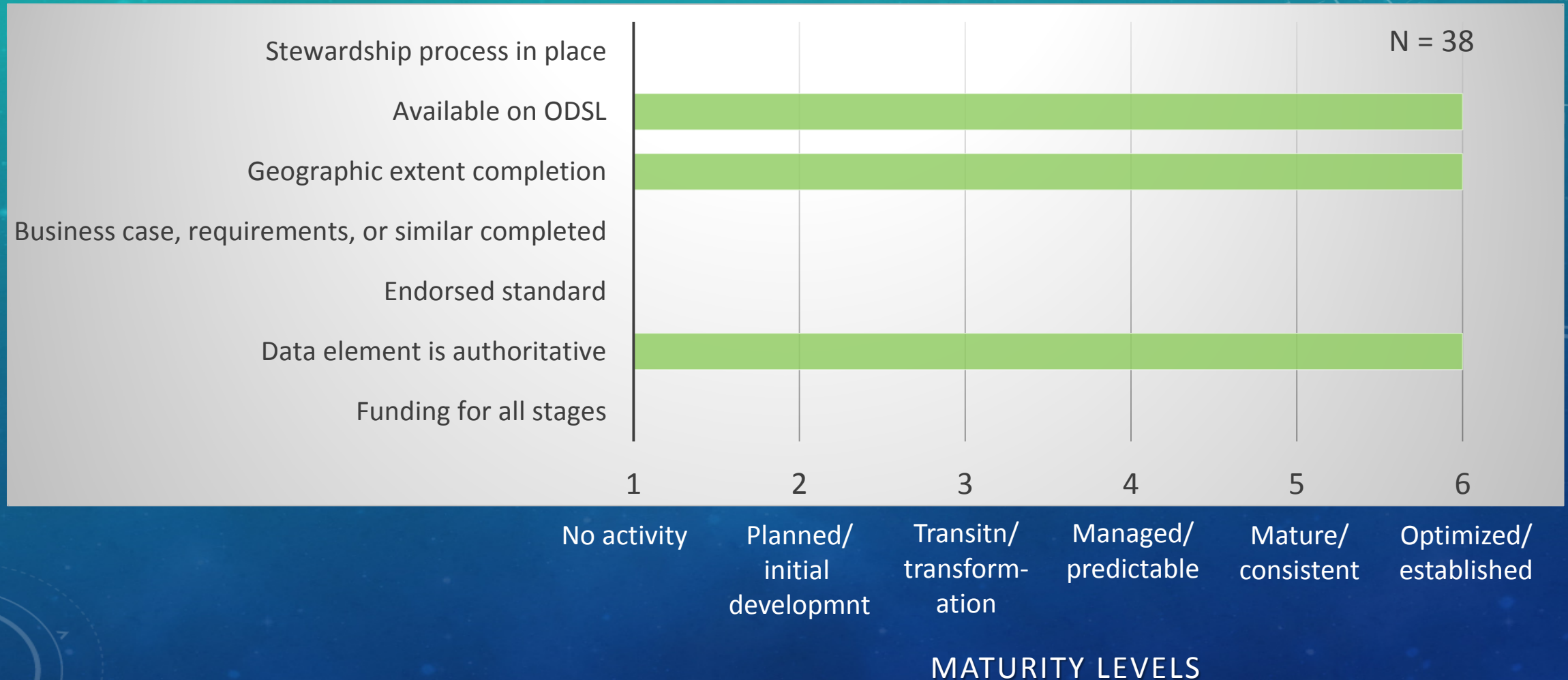
GENERAL QUESTION RESPONSES: THEME ORGANIZATION



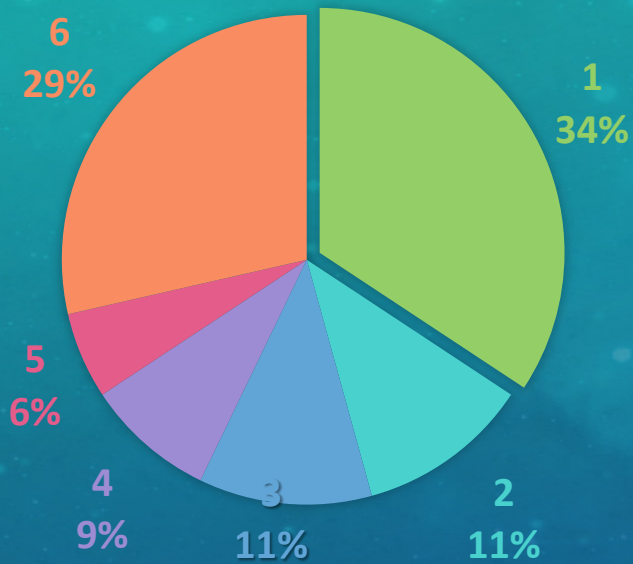
GENERAL QUESTION RESPONSES: AUTHORITATIVE DATA



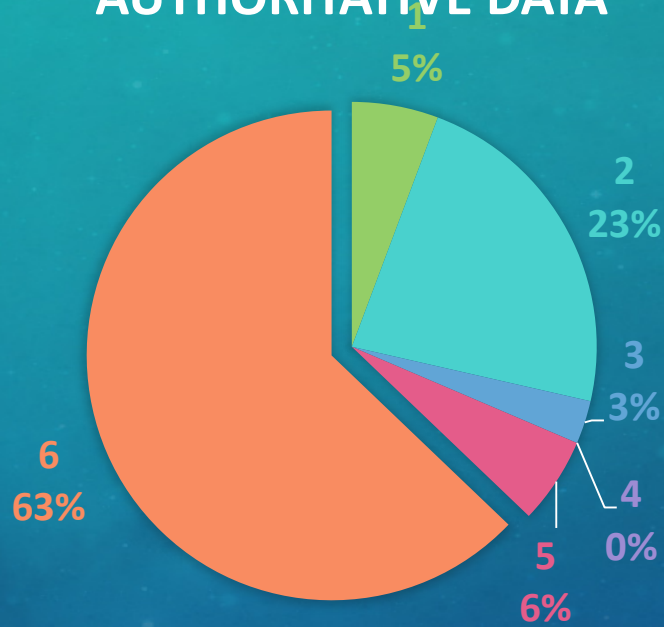
FRAMEWORK OVERALL MATURITY: SELECTED QUESTIONS



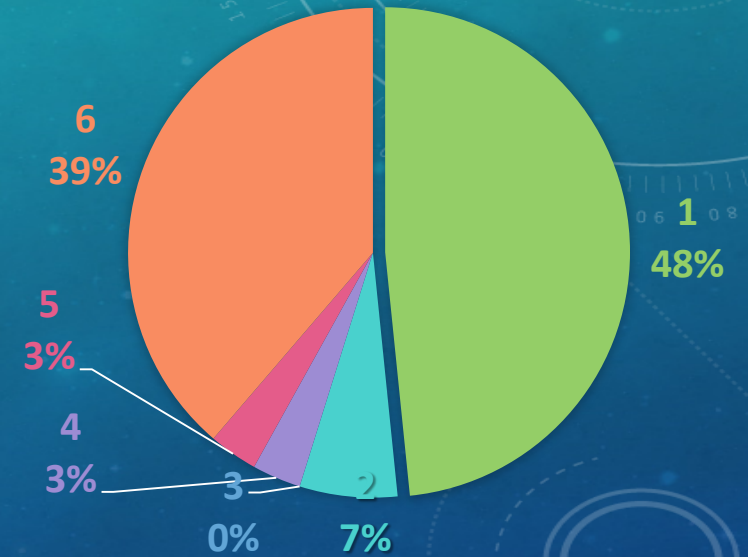
FUNDING



AUTHORITATIVE DATA



ENDORSED STANDARD



No activity

Planned/
initial
developmnt

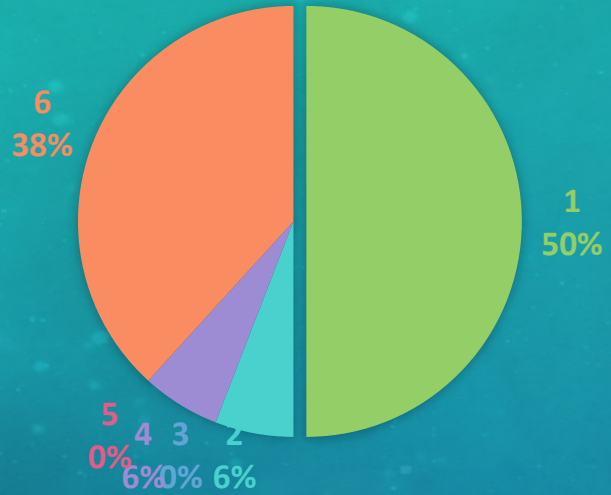
Transitn/
transform-
ation

Managed/
predictable

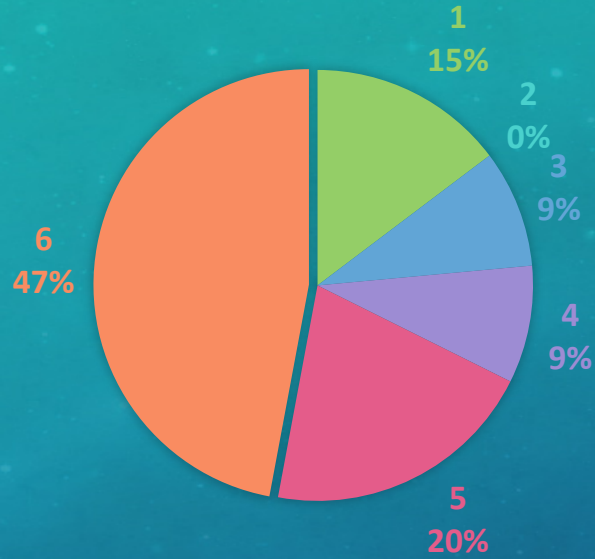
Mature/
consistent

Optimized/
established

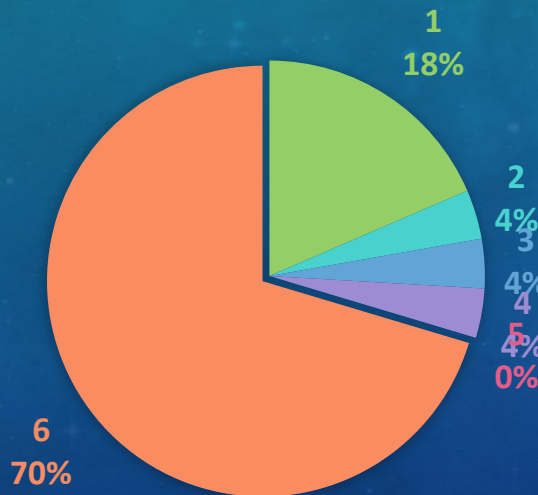
BUS. CASE OR REQS



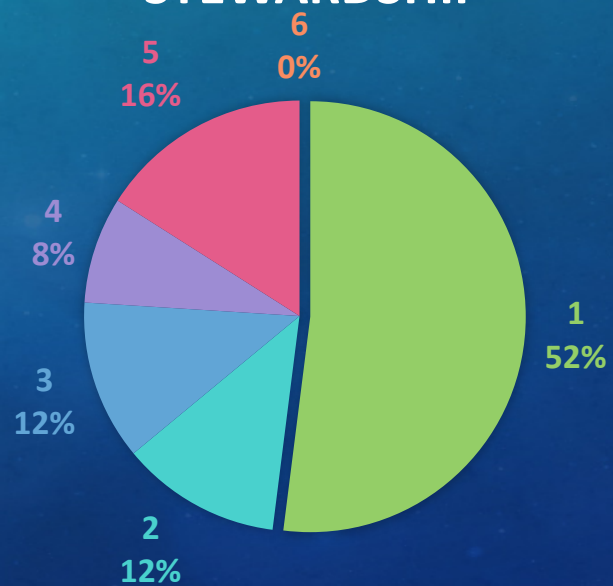
EXTENT COMPLETE



AVAIABILITY ON OSDL



STEWARDSHIP



No activity

Transitn/
transform-
ation

Planned/
initial
developmnt

Managed/
predictable

Mature/
consistent

Optimized/
established

CONCLUSIONS

- Most data elements organized appropriately, but not all
- Data sets considered authoritative composed almost completely of authoritative data, few gaps
- Funding, having endorsed standards, business case/requirements, and stewardship falling short
- Authoritative data, geographic extent of existing data, and public availability doing well

TAKE HOME MESSAGE

- Get those surveys done (please)

QUESTIONS?

