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DataONE Sociocultural and Usability &  
Assessment Working Groups

Communication and Information

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## DataOne Member Surveys

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# DATAONE MEMBER SURVEYS

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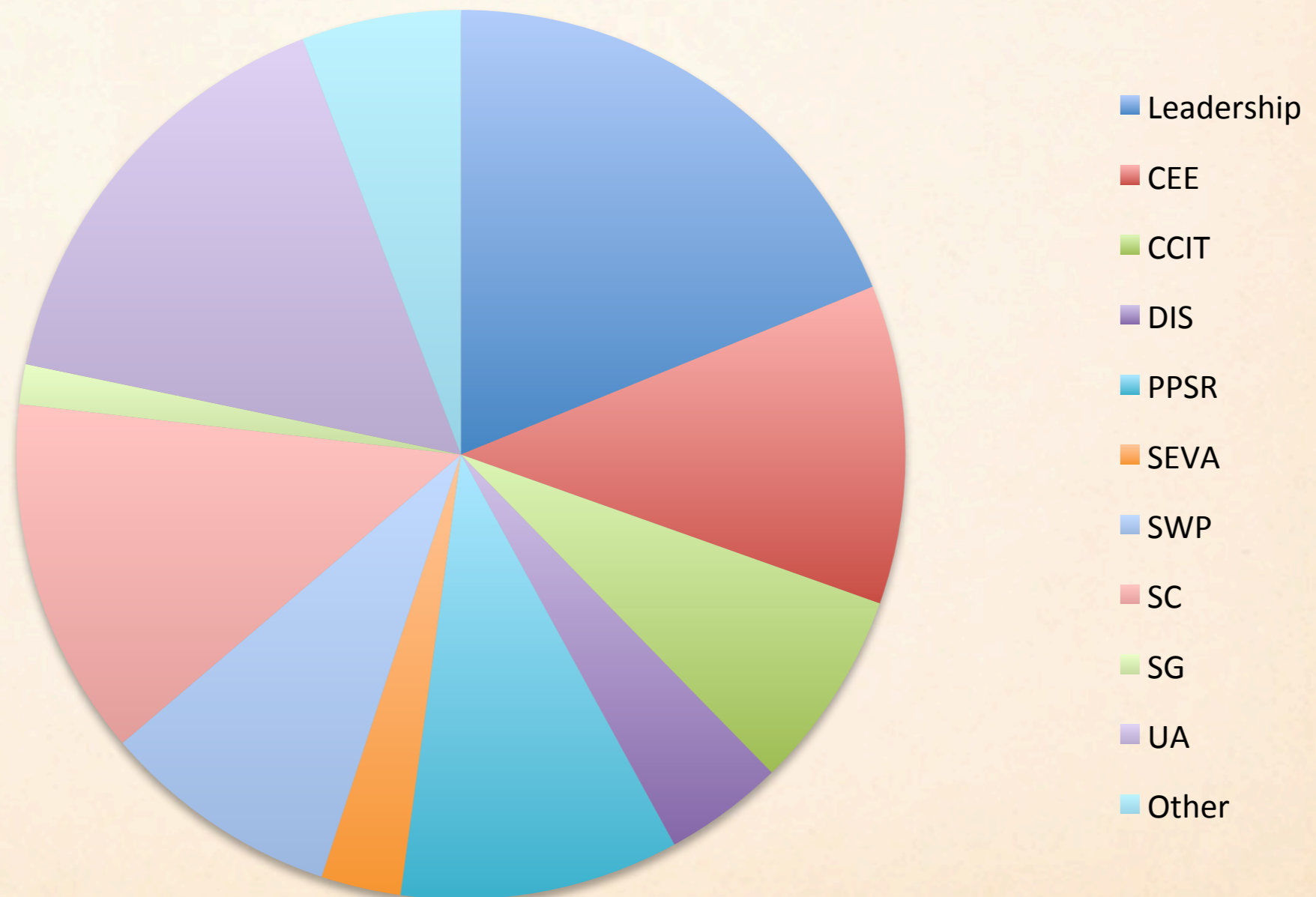
ALISON SPECHT, CAROL HOOVER, KEVIN CROWSTON

# BACKGROUND

- ❖ Two surveys administered at the last All-Hands Meeting (18–20 September 2012 in Albuquerque)
- ❖ Personal motivations for contributing to DataONE (n=69)
- ❖ Perceptions of working groups as the structure for project (n=52)

# SURVEY 1: MOTIVATIONS FOR CONTRIBUTION

❖ Respondents (n=69)



# REASONS FOR AND BENEFITS FROM PARTICIPATION

- ❖ Reasons for joining DataONE group into four factors:
  - ❖ Publications
  - ❖ Access to data and other resources
  - ❖ Experience and networking
  - ❖ Employment / grant funding
  
- ❖ What respondent reports gaining from working with DataONE is similar, except grant funding clusters with publications

# SATISFACTION WITH PARTICIPATION

- ❖ Significant differences in reported satisfaction across parts of DataONE

| <b>Group</b>   | <b>Mean</b> | <b>Std. Dev.</b> | <b>N</b> |
|----------------|-------------|------------------|----------|
| Leadership     | 4.54        | 0.52             | 13       |
| Engagement     | 4.19        | 0.71             | 36       |
| Infrastructure | 3.88        | 0.72             | 16       |

1=Not at all  
5=To a great extent

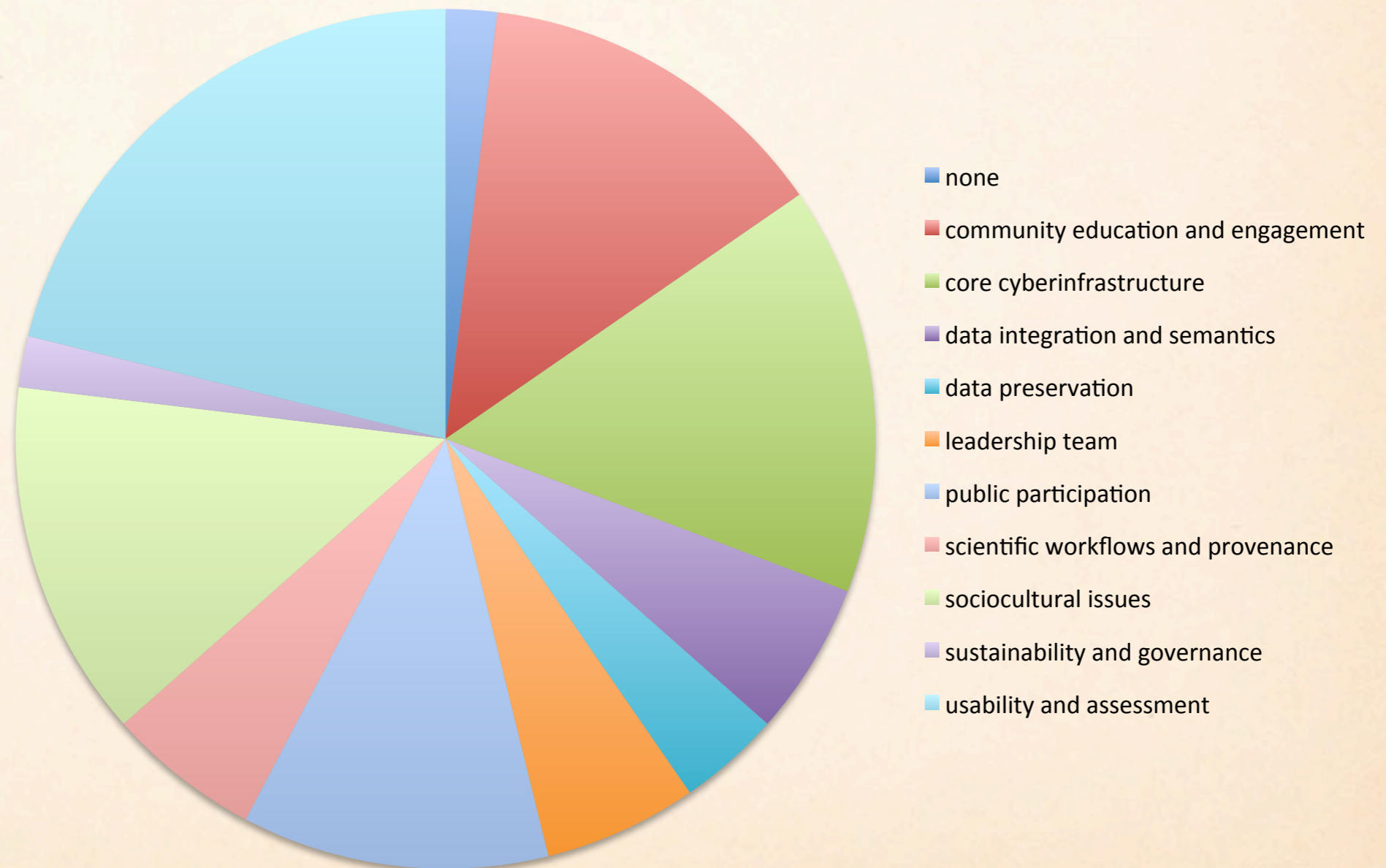
- ❖ Predictors of satisfaction:
  - ❖ Reasons for and gains from joining DI aren't significant
  - ❖ Having freedom to choose the work, getting constructive feedback, feeling an important part of the project and feeling that the work is meaningful are significant

WHAT MEASURES OR INDICATORS WOULD YOU USE TO TELL IF YOUR PRODUCT OR INPUT HAD IMPACT OR SUCCESS?



# SURVEY 2: PERCEPTIONS OF WORKING GROUPS

❖ Respondents (n=52)





# ARE GROUPS PERCEIVED TO WORK WELL?

| <b>Group</b>   | <b>My work on the working group satisfies my personal needs</b> | <b>The outputs of my working group are satisfactory to those in the DI project who use them</b> | <b>My working group is well positioned to continue its contributions to the DI project</b> | <b>My working group has been innovative in its methods and/or outputs</b> |
|----------------|---|---|--|---|
| Leadership     | 5.33  | 5   | 4  | 2.67  |
| Engagement     | 4.84  | 4   | 5.13   | 4.66  |
| Infrastructure | 4.69  | 4.44  | 5.31   | 4.63  |

1=Strongly disagree  
6=Strongly agree

# ARE WORKING GROUPS CONFIGURED CORRECTLY?

| Group          | Responsibility | Authority | Expertise within the group | Right number of members |
|----------------|----------------|-----------|----------------------------|-------------------------|
| Leadership     | 6              | 6         | 5.33                       | 4                       |
| Engagement     | 4.81           | 4.53      | 5.41                       | 4.63                    |
| Infrastructure | 5.2            | 4.93      | 5.38                       | 4.31                    |

1=Strongly disagree

6=Strongly agree

# DO WORKING GROUPS HAVE WHAT THEY NEED?

| Group          | Resources | Time | Productivity | Common purpose | Morale |
|----------------|-----------|------|--------------|----------------|--------|
| Leadership     | 5.33      | 3.67 | 4            | 5              | 4.67   |
| Engagement     | 3.81      | 3.19 | 4.88         | 4.78           | 5.25   |
| Infrastructure | 3.56      | 3.63 | 4.75         | 5.13           | 5.31   |

1=Strongly disagree

6=Strongly agree

# ARE WORKING GROUPS COMMUNICATING?

| Group          | Communication within the group | Communication among groups | Division of tasks within group | Division of tasks among groups |
|----------------|--------------------------------|----------------------------|--------------------------------|--------------------------------|
| Leadership     | 5.33                           | 4                          | 4                              | 4.67                           |
| Engagement     | 4.63                           | 3.5                        | 4.59                           | 3.71                           |
| Infrastructure | 5                              | 2.94                       | 4.53                           | 3.93                           |

1=Strongly disagree  
6=Strongly agree

# ADVANTAGES OF WORKING GROUPS

ability accommodated **achievable** address affordable **allows** assignments attention beneficial **better** brainstorming  
bright **brings** **building** bursts capturing commissioned **community** complementary contribution convenient  
**created** developers different difficult disciplinary discussion dissolved **diversity** divides division effort emerging  
engagement environment **expertise** explored fabulous flexible **focus** forces  
freedom funded goals harvest **ideas** input interdisciplinary interests involvement issue **knowledge**  
**labor** leverage mandate **many members** mobilize model mutually **networking** obligations  
**people** opportunity optimizing overlap **passionate** perspectives postdocs practice problems  
**productive** relevant representation responsibilities **results** scientific short single sized **skills** space **students** subgroups  
synergy tackling talented team **technical** them **think** tightly **time** triangulations twice undergrad varied viewpoints visions **wide**

# DISADVANTAGES OF WORKING GROUPS

abstract accomplish **advance** align **apply** artificial attendees **benefit** borders budget challenges committees  
**communication** cultural cyberinfrastructure **data** derived different **difficult** direction  
disadvantage discuss diverse division driven **duplication** effectively **effort** elsewhere endpoint energy ensure everyone expense  
expertise extent **face focus** formalized funding gaps goals guilt happens **helps ideas** inappropriate increased  
individual interact interested interestws intermittent internal **isolation** issues knowledge **lacking** layout link  
**makes** **many meetings** **members** memberships miscommunication momentum money  
**needs** never opaque opportunity oriented outweigh overall overhead **overlap** paid participate particularly  
**people** periods perspectives possible predicted presence priorities **products** projects  
research resources role **selection** **silos** staff think **time** unclear vision whole