EarthCube Stakeholder Survey

Variable Name: V1R1ID

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V1Response ID **Missing:** None
Question:
Coding Instructions: Number assigned to each participant at the first round of data collection
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V1aR2ID

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: **Missing:** None
Question:
Coding Instructions: Number assigned to each participant at the second round of data collection
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V2TimeStarted

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V2Time Start **Missing:** None
Question:
Coding Instructions: Date and time the survey started

Variable Name: V3DateSubmitted

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V3Date Sub **Missing:** None
Question:
Coding Instructions: Date and time the survey submitted

Variable Name: V4Status

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V4Status **Missing:** None
Question:
Coding Instructions:

Variable Name: V5ContactID

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V5Contact ID
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V6LegacyComments

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V6Legacy Comments
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V7Comments

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V7Comments
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V8Language

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V8Language
Question:
Coding Instructions:

Type: String
Measure: Nominal
Missing: None

Variable Name: V9Referer

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V9Referer
Question:
Coding Instructions:

Type: String
Measure: Nominal
Missing: None

Variable Name: V10ExtendedReferrer

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V10Extended Referrer
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V11SessionID

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V11Session ID
Question:
Coding Instructions:

Type: String
Measure: Nominal
Missing: None

Variable Name: V12UserAgent

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V12User Agent
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V13ExtendedUserAgent

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V13Extended User Agent
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V14IPAddress

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V14IP Address
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V15Longitude

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V15Longitude
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V16Latitude

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V16Latitude
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V17Country

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V17Country
Question:
Coding Instructions:

Type: String
Measure: Nominal
Missing: None

Variable Name: V18City

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V18City
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V19Region

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V19Region
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V20Postal

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V20Postal
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V21UserID

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V21User Id
Question:
Coding Instructions:

Type: Numeric
Measure: Nominal
Missing: None

Variable Name: V22aGroupType

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Nominal
Label: V22aGroup Type **Missing:** None
Question:
Coding Instructions: 1 = W1aECweb1Spring2012
2 = W1bECweb2Summer2012
3 = W1cECweb3R2Jan2013
4 = W2DataCtrSpring2012
5 = W3EarlyCarrerOct2012
6 = W4PlateTecNov2012
7 = W5EarthScopeNov2012
8 = W6ExperStratDec2012
9 = W7OGCJan2013R2
10 = W7aAtmosphericModelingFall2012
11 = W8CriticalZoneJan2013R2
12 = W9HydrologyDigitalCrustJan2013R2
13 = W10PaleoGeoFeb2013R2
14 = W11EducationMar2013R2
15 = W12PetrologyandGeochemMar2013R2
16 = W13SedimentaryGeoMar2013R2
17 = W14GeodynamicModelingApr2013R2
18 = W15RiversandBioGeoChemApr2013R2
19 = W19DeepSeaJun2013R2
20 = W20RealTimeData2013R2
21 = W21MarineOmicsAug2013R2
22 = W22GeochronologyOct2013R2
23 = W23OceanEcoSysOct2013R2
24 = W24CoralSeptOct2013R2
25 = W25CloudsAerosolsOct2013R2
26 = W26RockDeformNov2013R2

Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V22GroupType

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V22Group Type **Missing:** None
Question:
Coding Instructions: ATMOS_MODEL = HW7aAtmosphericModelingFall2012
EARTH_SCOPE = EW5EarthScopeNov2012
EC = AW1aECweb1Spring2012
NG = CW3EarlyCarrerOct2012
PA = BW2DataCtrSpring2012
PLATE_TEC = DW4PlateTecNov2012
R2_COMMUNITY_MODEL = OW14GeodynamicModelingApr2013R2
R2_CRITICAL_ZONE = W8CriticalZoneJan2013R2
R2_DEEP_SEA = QR2DeepSea
R2_EDUCATION = LW11EducationMar2013R2
R2_HYDROLOGY = JW9HydrologyDigitalCrustJan2013R2
R2_OGC = GW7OGCJan2013R2
R2_PALEO_BIO = KW10PaleoGeoFeb2013R2
R2_PETROLOGY = MW12PetrologyandGeochemMar2013R2
R2_RIVER_BIO_GEO_CHEM = PW15RiversandBioGeoChemApr2013R2
R2_SEDIMENTARY = NW13SedimentaryGeoMar2013R2
R2_WEB = zW1cECweb3R2Jan2013
SEDIMENTOLOGY = FW6ExperStratDec2012
WEB = zW1bECweb2Summer2012

Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V23DiscDomain

Item Number in the First Instrument: 1 **Type:** Numeric
Item Number in the Second Instrument: 1 **Measure:** Nominal
Label: V23Primary Discipline **Missing:** -1
Question: Primary disciplinary domain
Coding Instructions: Geoscience = 1
Cyberinfrastructure/Computer Science = 2
Both = 3
Other = 4

Variable Name: V24DiscDomainOther

Item Number in the First Instrument: 1 **Type:** String
Item Number in the Second Instrument: 1 **Measure:** Nominal
Label: V24Discipline if not listed **Missing:** None
Question: Please enter primary disciplinary domain if not listed above
Coding Instructions:

Variable Name: V25AreaofExpertice

Item Number in the First Instrument: 2 **Type:** String
Item Number in the Second Instrument: 2 **Measure:** Nominal
Label: V25Specific area of expertise? **Missing:** None
Question: If you marked Geoscience or Cyberinfrastrucure/Computer Science or Both above, how would you describe your specific area of expertise?
Coding Instructions:

Variable Name: V26YearsExp

Item Number in the First Instrument: 3 **Type:** Numeric
Item Number in the Second Instrument: 3 **Measure:** Nominal
Label: V26Years of experience **Missing:** -1
Question: Including graduate study, years of experience within your professional disciplinary affiliation (see question 1 above)
Coding Instructions: Under 5 years = 1
5-10 years = 2
11-20 years = 3
Over 20 years = 4

Variable Name: V27CountriesLivedIn

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: 4 **Measure:** Nominal
Label: V27Countries lived in **Missing:** None
Question: Please list all countries in which you have lived for a year or longer
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V28NationalAff

Item Number in the First Instrument: 4 **Type:** Numeric
Item Number in the Second Instrument: 5 **Measure:** Nominal
Label: V28National affiliation **Missing:** -1
Question: Institution national affiliation
Coding Instructions: Non US = 0
US = 1

Variable Name: V29NonUS

Item Number in the First Instrument: 4 **Type:** String
Item Number in the Second Instrument: 5 **Measure:** Nominal
Label: V29If non-US, please specify **Missing:** None
Question: If non-US, please specify
Coding Instructions:

Variable Name: V30InstitAff

Item Number in the First Instrument: 5 **Type:** Numeric
Item Number in the Second Instrument: 6 **Measure:** Nominal
Label: V30Institutional affiliation **Missing:** -1
Question: Institutional affiliation (please indicate your primary affiliation)
Coding Instructions: Education – University or 4-Year College = 1
Education Community College = 2
Education K-12 = 3
Government Federal Agency = 4
Government State or Local Agency = 5
Industry – Small company (less than 50 employees) = 6
Industry – Medium company (50-500 employees) = 7
Industry – Large company (over 500 employees) = 8
Other – National Lab FFRDC = 9
Other – Supercomputing Facility = 10
Other – Not-for-profit/NGO = 11
Other – Professional Society or Scientific Community Governance Organization = 12
Other – Citizen Scientist = 13
Other = 14

Variable Name: V31IfOther

Item Number in the First Instrument: 5 **Type:** String
Item Number in the Second Instrument: 6 **Measure:** Nominal
Label: V31If other, please specify **Missing:** None
Question: If other, please specify
Coding Instructions: Institutional affiliation if not listed in Question 5.
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V32Gender

Item Number in the First Instrument: 6 **Type:** Numeric
Item Number in the Second Instrument: 7 **Measure:** Nominal
Label: V32Gender **Missing:** -1
Question: Please indicate your gender
Coding Instructions: Female = 0
Male = 1

Variable Name: V33FamiliarEarthCube

Item Number in the First Instrument: 7 **Type:** Numeric
Item Number in the Second Instrument: 8 **Measure:** Nominal
Label: V33Familiar with EarthCube **Missing:** -1
Question: How familiar are you with EarthCube?
Coding Instructions: First I have heard of EarthCube = 0
I am aware of EarthCube but I have no direct experience = 1
I have visited EarthCube's Website = 2
I have participated in EarthCube discussions = 3
I am actively involved with one or more EarthCube communities = 4
I am assuming leadership roles within one or more EarthCube communities = 5

Variable Name: V34Governance

Item Number in the First Instrument: 8 **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V34Governance **Missing:** None
Question: If you are a part of any EarthCube communities, please select which ones you participate in.
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V35Semantics

Item Number in the First Instrument: 8 **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V35Semantics/Ontologies **Missing:** None
Question: If you are a part of any EarthCube communities, please select which ones you participate in.
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V36Workflow

Item Number in the First Instrument: 8 **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V36Workflow **Missing:** None
Question: If you are a part of any EarthCube communities, please select which ones you participate in.
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V37DataDiscovery

Item Number in the First Instrument: 8 **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V37Data Discovery **Missing:** None
Question: If you are a part of any EarthCube communities, please select which ones you participate in.
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V38DataMining

Item Number in the First Instrument: 8 **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V38Data Mining **Missing:** None
Question: If you are a part of any EarthCube communities, please select which ones you participate in.
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V39DataAccess

Item Number in the First Instrument: 8 **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V39Data Access **Missing:** None
Question: If you are a part of any EarthCube communities, please select which ones you participate in.
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V40LayeredArchitecture

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V40Layered Architecture **Missing:** None
Question:
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V41InPerson

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V41Participated in charrette **Missing:** None
Question:
Coding Instructions:

Variable Name: V42Virtual

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V42Participated virtually charrette **Missing:** None
Question:
Coding Instructions:

Variable Name: V43SeenData

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V43Seen first round of surveys **Missing:** None
Question:
Coding Instructions:

Variable Name: V44AtmosphericImportance

Item Number in the First Instrument: 9 **Type:** Numeric
Item Number in the Second Instrument: 9 **Measure:** Scale
Label: V44IMPORTANT atmospheric/space weather data **Missing:** -1.00000, -.06250
Question: How IMPORTANT is it for you to find, access, and/or use atmospheric/space weather data, models, and/or software (e.g. visualization tools, middleware, etc.)?
Coding Instructions: Entered a number from 0 (Not Important) to 1(Very Important) with increments of 0.0625

Variable Name: V45AtmosphericEase

Item Number in the First Instrument: 10 **Type:** Numeric
Item Number in the Second Instrument: 10 **Measure:** Scale
Label: V45EASY atmospheric/space weather data **Missing:** -1.00000, -.06250
Question: How EASY is it for you to find, access, and/or use atmospheric/space weather data, models, and/or software (e.g. visualization tools, middleware, etc.) to meet your needs?
Coding Instructions: Entered a number from 0 (Very Difficult) to 1 (Very Easy) with increments of 0.0625

Variable Name: V46ClimateDataImportance

Item Number in the First Instrument: 11 **Type:** Numeric
Item Number in the Second Instrument: 11 **Measure:** Scale
Label: V46IMPORTANT climate data **Missing:** -1.00000, -.06250
Question: How IMPORTANT is it for you to find, access, and/or use climate data, models, and/or software (e.g. visualization tools, middleware, etc.)?
Coding Instructions: Entered a number from 0 (Not Important) to 1 (Very Important) with increments of 0.0625

Variable Name: V47ClimateDataEase

Item Number in the First Instrument: 12 **Type:** Numeric
Item Number in the Second Instrument: 12 **Measure:** Scale
Label: V47EASY climate data **Missing:** -1.00000, -.06250
Question: How EASY is it for you to find, access, and/or use climate data, models, and/or software (e.g. visualization tools, middleware, etc.) to meet your needs?
Coding Instructions: Entered a number from 0 (Very Difficult) to 1 (Very Easy) with increments of 0.0625

Variable Name: V48OceanographicImportance

Item Number in the First Instrument: 13 **Type:** Numeric
Item Number in the Second Instrument: 13 **Measure:** Scale
Label: V48IMPORTANT oceanographic data **Missing:** -1.00000, -.06250
Question: How IMPORTANT is it for you to find, access, and/or use oceanographic data, models, and/or software (e.g. visualization tools, middleware, etc.)?
Coding Instructions: Entered a number from 0 (Not Important) to 1 (Very Important) with increments of 0.0625

Variable Name: V49OceanographicEase

Item Number in the First Instrument: 14 **Type:** Numeric
Item Number in the Second Instrument: 14 **Measure:** Scale
Label: V49EASY oceanographic data **Missing:** -1.00000, -.06250
Question: How EASY is it for you to find, access, and/or use oceanographic data, models, and/or software (e.g. visualization tools, middleware, etc.) to meet your needs?
Coding Instructions: Entered a number from 0 (Very Difficult) to 1 (Very Easy) with increments of 0.0625

Variable Name: V50GeophysicalImportance

Item Number in the First Instrument: 15 **Type:** Numeric
Item Number in the Second Instrument: 15 **Measure:** Scale
Label: V50IMPORTANT geophysical data **Missing:** -1.00000, -.06250
Question: How IMPORTANT is it for you to find, access, and/or use geophysical data, models, and/or software (e.g. visualization tools, middleware, etc.)?
Coding Instructions: Entered a number from 0 (Not Important) to 1 (Very Important) with increments of 0.0625

Variable Name: V51GeophysicalEase

Item Number in the First Instrument: 16 **Type:** Numeric
Item Number in the Second Instrument: 16 **Measure:** Scale
Label: V51EASY geophysical data **Missing:** -1.00000, -.06250
Question: How EASY is it for you to find, access, and/or use geophysical data, models, and/or software (e.g. visualization tools, middleware, etc.) to meet your needs?
Coding Instructions: Entered a number from 0 (Very Difficult) to 1 (Very Easy) with increments of 0.0625

Variable Name: V52GeologicImportance

Item Number in the First Instrument: 17 **Type:** Numeric
Item Number in the Second Instrument: 17 **Measure:** Scale
Label: V52IMPORTANT geologic data **Missing:** -1.00000, -.06250
Question: How IMPORTANT is it for you to find, access, and/or use geologic data, models, and/or software (e.g. visualization tools, middleware, etc.)?
Coding Instructions: Entered a number from 0 (Not Important) to 1 (Very Important) with increments of 0.0625

Variable Name: V53GeologicEase

Item Number in the First Instrument: 18 **Type:** Numeric
Item Number in the Second Instrument: 18 **Measure:** Scale
Label: V53EASY geologic data **Missing:** -1.00000, -.06250
Question: How EASY is it for you to find, access, and/or use geologic data, models, and/or software (e.g. visualization tools, middleware, etc.) to meet your needs?
Coding Instructions: Entered a number from 0 (Very Difficult) to 1 (Very Easy) with increments of 0.0625

Variable Name: V54CriticalZoneImportance

Item Number in the First Instrument: 19 **Type:** Numeric
Item Number in the Second Instrument: 19 **Measure:** Scale
Label: V54IMPORTANT critical zone data **Missing:** -1.00000, -.06250
Question: How IMPORTANT is it for you to find, access, and/or use critical zone (from Earth's surface down to bedrock) data, models, and/or software (e.g. visualization tools, middleware, etc.)?
Coding Instructions: Entered a number from 0 (Not Important) to 1 (Very Important) with increments of 0.0625

Variable Name: V55CriticalZoneEase

Item Number in the First Instrument: 20 **Type:** Numeric
Item Number in the Second Instrument: 20 **Measure:** Scale
Label: V55EASY critical zone data **Missing:** -1.00000, -.06250
Question: How EASY is it for you to find, access, and/or use critical zone (from Earth's surface down to bedrock) data, models, and/or software (e.g. visualization tools, middleware, etc.) to meet your needs?
Coding Instructions: Entered a number from 0 (Very Difficult) to 1 (Very Easy) with increments of 0.0625

Variable Name: V56HydrologicImportance

Item Number in the First Instrument: 21 **Type:** Numeric
Item Number in the Second Instrument: 21 **Measure:** Scale
Label: V56IMPORTANT hydrologic data **Missing:** -1.00000, -.06250
Question: How IMPORTANT is it for you to find, access, and/or use hydrologic data, models, and/or software (e.g. visualization tools, middleware, etc.)?
Coding Instructions: Entered a number from 0 (Not Important) to 1 (Very Important) with increments of 0.0625

Variable Name: V57HydrologicEase

Item Number in the First Instrument: 22 **Type:** Numeric
Item Number in the Second Instrument: 22 **Measure:** Scale
Label: V57EASY hydrologic data **Missing:** -1.00000, -.06250
Question: How EASY is it for you to find, access, and/or use hydrologic data, models, and/or software (e.g. visualization tools, middleware, etc.) to meet your needs?
Coding Instructions: Entered a number from 0 (Very Difficult) to 1 (Very Easy) with increments of 0.0625

Variable Name: V58MultipleinFieldImportance

Item Number in the First Instrument: 23 **Type:** Numeric
Item Number in the Second Instrument: 23 **Measure:** Scale
Label: V58IMPORTANT multiple datasets in your field **Missing:** -1.00000, -.06250
Question: How IMPORTANT is it for you to find, access, and/or integrate multiple datasets, models, and/or software (e.g. visualization tools, middleware, etc.) in your field or discipline?
Coding Instructions: Entered a number from 0 (Not Important) to 1 (Very Important) with increments of 0.0625

Variable Name: V59MultipleinFieldEase

Item Number in the First Instrument: 24 **Type:** Numeric
Item Number in the Second Instrument: 24 **Measure:** Scale
Label: V59EASY multiple datasets in your field **Missing:** -1.00000, -.06250
Question: How EASY is it for you to find, access, and/or integrate multiple datasets, models, and/or software (e.g. visualization tools, middleware, etc.) in your field or discipline?
Coding Instructions: Entered a number from 0 (Very Difficult) to 1 (Very Easy) with increments of 0.0625

Variable Name: V60MultipleAcrossFieldImportance

Item Number in the First Instrument: 25 **Type:** Numeric
Item Number in the Second Instrument: 25 **Measure:** Scale
Label: V60IMPORTANT multiple datasets span different fields **Missing:** -1.00000, -.06250
Question: How IMPORTANT is it for you to find, access, and/or integrate multiple datasets, models, and/or software (e.g. visualization tools, middleware, etc.) that span different fields or disciplines?
Coding Instructions: Entered a number from 0 (Not Important) to 1 (Very Important) with increments of 0.0625

Variable Name: V61MultipleAcrossFieldEase

Item Number in the First Instrument: 26 **Type:** Numeric
Item Number in the Second Instrument: 26 **Measure:** Scale
Label: V61EASY multiple datasets span different fields **Missing:** -1.00000, -.06250
Question: How EASY is it for you to find, access, and/or integrate multiple datasets, models, and/or software (e.g. visualization tools, middleware, etc.) that span different fields or disciplines?
Coding Instructions: Entered a number from 0 (Very Difficult) to 1 (Very Easy) with increments of 0.0625

Variable Name: V62InadiquteToAdequate

Item Number in the First Instrument: 27 **Type:** Numeric
Item Number in the Second Instrument: 27 **Measure:** Scale
Label: V62Suite adequate for research and education **Missing:** -1.00000, -.06250
Question: Please use the scale ranging from "Inadequate" to "Adequate" to assess the present suite of publicly accessible datasets, models, and/or software (e.g. visualization tools, middleware, etc.) – to what degree is it adequate for your research and education needs?
Coding Instructions: Entered a number from 0 (Inadequate) to 1 (Adequate) with increments of 0.0625

Variable Name: V63WhereMakeDataAvail

Item Number in the First Instrument: 28 **Type:** String
Item Number in the Second Instrument: 28 **Measure:** Nominal
Label: V63How make data public **Missing:** None
Question: Where and how do you make your data publicly available?
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V64DataFromMultDisciplines

Item Number in the First Instrument: 29 **Type:** String
Item Number in the Second Instrument: 29 **Measure:** Nominal
Label: V64Using data from multiple disciplines **Missing:** None
Question: Are you using data from more than one discipline in your research? If so, which ones?
Coding Instructions:

Variable Name: V65DataOtherThanOwn

Item Number in the First Instrument: 30 **Type:** String
Item Number in the Second Instrument: 30 **Measure:** Nominal
Label: V65Accessing data other than your own **Missing:** None
Question: Are you accessing or utilizing data other than your own and, if so, from where are you getting it?
Coding Instructions:

Variable Name: V66GovtDataAccess

Item Number in the First Instrument: 41 **Type:** Numeric
Item Number in the Second Instrument: 31 **Measure:** Scale
Label: V66Unresolved issues federal government repositories **Missing:** -1.00000, -.06250
Question: There are presently substantial unresolved issues around the access and use of geoscience data housed in federal government repositories.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V67NSFInvestDataAccess

Item Number in the First Instrument: 42 **Type:** Numeric
Item Number in the Second Instrument: 32 **Measure:** Scale
Label: V67Unresolved issues date held by investigators **Missing:** -1.00000, -.06250
Question: There are presently substantial unresolved issues around the access and use of geoscience data held by investigators funded by NSF and other federal agencies.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V68AttributionAuthorship

Item Number in the First Instrument: 43 **Type:** Numeric
Item Number in the Second Instrument: 33 **Measure:** Scale
Label: V68Unresolved issues attribution/authorship **Missing:** -1.00000, -.06250
Question: There are presently substantial unresolved issues around the attribution/authorship of data in the use of data housed or retrieved by data aggregating systems like EarthCube.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V69HighCooperationAmongGeo

Item Number in the First Instrument: 52 **Type:** Numeric
Item Number in the Second Instrument: 34 **Measure:** Scale
Label: V69Cooperation in sharing data among geoscientists **Missing:** -1.00000, -.06250
Question: There is currently a high degree of cooperation and sharing of data, models, and simulations among geoscientists.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V70HighCooperationAmongCyber

Item Number in the First Instrument: 53 **Type:** Numeric
Item Number in the Second Instrument: 35 **Measure:** Scale
Label: V70Cooperation in sharing software by cyber for geo **Missing:** -1.00000, -.06250
Question: There is currently a high degree of cooperation and sharing of software, middleware and hardware among those developing and supporting cyberinfrastructure for the geosciences.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V71CyberDuplication

Item Number in the First Instrument: 54 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V71Duplication in software for geo **Missing:** -1.00000, -.06250
Question: There is currently a great deal of duplication in the creation of software, middleware, tools, and hardware for the geosciences.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V72CommBetweenGeoandCyber

Item Number in the First Instrument: 55 **Type:** Numeric
Item Number in the Second Instrument: 36 **Measure:** Scale
Label: V72Sufficient communication between geo and cyber **Missing:** -1.00000, -.06250
Question: There is currently sufficient communication and collaboration between geoscientists and those who develop cyberinfrastructure tools and approaches to advance the geosciences.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V73SufficientGeoTrainingforCyber

Item Number in the First Instrument: 56 **Type:** Numeric
Item Number in the Second Instrument: 37 **Measure:** Scale
Label: V73Sufficient end-user knowledge and training **Missing:** -1.00000, -.06250
Question: There is currently sufficient geoscience end-user knowledge and training so they can effectively use the present suite of cyberinfrastructure tools and train their students/colleagues in its use.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V74IndCol

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 38 **Measure:** Scale
Label: V74Individual or collective **Missing:** -1
Question: To what degree is success in your field primarily a product of individual effort or a product of collective effort?
Coding Instructions: Entered a number from 0 (Individual) to 1 (Collective) with increments of 0.0625

Variable Name: V75TotalPublications

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 39 **Measure:** Nominal
Label: V75Total publications **Missing:** -1
Question: During the past five years, approximately how many total articles or other publications have you authored or co-authored?
Coding Instructions:
0 = 1
1-3 = 2
4-6 = 3
7-10 = 4
11-20 = 5
more than 20 = 6

Variable Name: V76PubSubInterdisc

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 40 **Measure:** Nominal
Label: V76Sub-total interdisciplinary **Missing:** -1
Question: During the past five years, approximately how many of these articles or other publications have you co-authored with scholars from other fields or disciplines?
Coding Instructions: 0 = 1
1-3 = 2
4-6 = 3
7-10 = 4
11-20 = 5
more than 20 = 6

Variable Name: V77PublicationDisc

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: 40 **Measure:** Nominal
Label: V77What disciplines publications **Missing:** None
Question: If so, what fields and disciplines? (please specify)
Coding Instructions:

Variable Name: V78TotalFundedProjects

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 41 **Measure:** Nominal
Label: V78Total funded projects **Missing:** -1
Question: At present, approximately how many total distinct, funded projects are you working on?
Coding Instructions: 0 = 1
1-3 = 2
4-6 = 3
7-10 = 4
11-20 = 5
more than 20 = 6

Variable Name: V79FundedSubInterdisc

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 42 **Measure:** Nominal
Label: V79Sub-total interdisciplinary **Missing:** None
Question: At present, approximately how many of these distinct, funded projects are you working on that involve scholars from multiple fields or disciplines?
Coding Instructions: 0 = 1
1-3 = 2
4-6 = 3
7-10 = 4
11-20 = 5
more than 20 = 6

Variable Name: V80ProjectDisc

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: 42 **Measure:** Nominal
Label: V80What disciplines projects **Missing:** None
Question: If so, what fields and disciplines? (please specify)
Coding Instructions:

Variable Name: V81TotalSharing

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 43 **Measure:** Nominal
Label: V81Total sharing **Missing:** -1
Question: During the past five years, approximately how many data sets, tools, models or software have you made publically available to other scholars?
Coding Instructions: 0 = 1
1-3 = 2
4-6 = 3
7-10 = 4
11-20 = 5
more than 20 = 6

Variable Name: V82SharingAdvanceCareer

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 44 **Measure:** Scale
Label: V82Sharing will advance career **Missing:** -1
Question: Overall, I believe that sharing data, tools, models, and software that I generated will advance my career in the next 3-5 years?
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V83TrustSharedData

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 45 **Measure:** Scale
Label: V83Trust shared data **Missing:** -1
Question: I trust that the data, tools, models, and software shared by other colleagues will be well-documented and reliable.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V84ContactQuestions

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 46 **Measure:** Nominal
Label: V84Contact with questions **Missing:** -1
Question: When you need to access or interpret unfamiliar scientific data, models, or tools, what do you typically do?
Coding Instructions: Contact the author/publisher of the data, model, or tool directly = 1
Otherwise = 0

Variable Name: V85FindAuthor

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 46 **Measure:** Nominal
Label: V85Find author **Missing:** -1
Question: When you need to access or interpret unfamiliar scientific data, models, or tools, what do you typically do?
Coding Instructions: Find the author/publisher of the data, model, or tool and read her/his other papers = 1
Otherwise = 0

Variable Name: V86SearchOnline

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 46 **Measure:** Nominal
Label: V86Search online **Missing:** -1
Question: When you need to access or interpret unfamiliar scientific data, models, or tools, what do you typically do?
Coding Instructions: Search online for previous applications of these or similar data, models, or tools = 1
Otherwise = 0

Variable Name: V87UseForum

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 46 **Measure:** Nominal
Label: V87Use forum **Missing:** -1
Question: When you need to access or interpret unfamiliar scientific data, models, or tools, what do you typically do?
Coding Instructions: Post questions on a respective forum or a mailing list = 1
Otherwise = 0

Variable Name: V88ConsultColleagues

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 46 **Measure:** Nominal
Label: V88Consult colleagues **Missing:** -1
Question: When you need to access or interpret unfamiliar scientific data, models, or tools, what do you typically do?
Coding Instructions: Consult with colleagues who are familiar with the data, models, or tools = 1
Otherwise = 0

Variable Name: V89NeverUse

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 46 **Measure:** Nominal
Label: V89Never use **Missing:** -1
Question: When you need to access or interpret unfamiliar scientific data, models, or tools, what do you typically do?
Coding Instructions: I never use data, models, or tools that I did not create or that I don't completely understand in the first place = 1
Otherwise = 0

Variable Name: V90EmployerValueCrossDisc

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 47 **Measure:** Scale
Label: V90Employer will value cross dis **Missing:** -1
Question: My employer/organization will value and reward efforts I make in bridging across fields and disciplines.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V91ColleaguesValueCrossDisc

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 48 **Measure:** Scale
Label: V91Colleagues will value cross dis **Missing:** -1
Question: Efforts that I make to bridge across fields and disciplines will most likely be recognized and highly valued by colleagues in my field/discipline.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V92BalanceCooperationCompetition

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 49 **Measure:** Scale
Label: V92Balance cooperation and competition **Missing:** -1
Question: In the balance between cooperation and competition, how would you characterize the culture of your field or discipline?
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V94EducationVsResarch

Item Number in the First Instrument: 38 **Type:** Numeric
Item Number in the Second Instrument: 50 **Measure:** Scale
Label: V94EC balance between education and research **Missing:** -1.00000, -.06250
Question: Please use the following scale to indicate how the EarthCube initiative should balance its focus on the development of tools and approaches in support of research, on one hand, and education, on the other. You may see both as important, but select the point on the continuum that you believe represents the most appropriate balance.
Coding Instructions: Entered a number from 0 (Education) to 1 (Research) with increments of 0.0625

Variable Name: V95EarthCube5to7MyFutureProductivity

Item Number in the First Instrument: 31 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V95In 5-7 years EC increased productivity **Missing:** -1.00000, -.06250
Question: In 5-7 years, I anticipate that EarthCube will result in substantially increased productivity for me and others whose work is similar to mine.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V96EarthCube5to7MyFutureResearch

Item Number in the First Instrument: 32 **Type:** Numeric
Item Number in the Second Instrument: 51 **Measure:** Scale
Label: V96In 5-7 years EC expanded research **Missing:** -1.00000, -.06250
Question: In 5-7 years, I anticipate that EarthCube will result in substantially expanded research opportunities for me and others whose work is similar to mine.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V97EarthCube5to7MyFutureTeaching

Item Number in the First Instrument: 33 **Type:** Numeric
Item Number in the Second Instrument: 52 **Measure:** Scale
Label: V97In 5-7 years EC expanded educational tools **Missing:** -1.00000, -.06250
Question: In 5-7 years, I anticipate that EarthCube will result in substantially expanded educational tools for me and others whose work is similar to mine.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V98EarthCube5to7MyFutureUseMultipleData

Item Number in the First Instrument: 34 **Type:** Numeric
Item Number in the Second Instrument: 53 **Measure:** Scale
Label: V98In 5-7 years EC expanded capabilities to integrate multiple sources **Missing:** -1.00000, -.06250
Question: In 5-7 years, I anticipate that EarthCube will result in substantially expanded capabilities to integrate multiple sources of data, models, and software (e.g. visualization tools, middleware, etc.).
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V99EarthCubeDataDiscoveryandAccess

Item Number in the First Instrument: 35 **Type:** Numeric
Item Number in the Second Instrument: 54 **Measure:** Scale
Label: V99EC guidelines for accessing, sharing, and disseminating **Missing:** -1.00000, -.06250
Question: The EarthCube initiative should specify guidelines so there is more interoperability and uniformity in discovering, accessing, sharing, and disseminating geoscience data.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V100ECformalIntStandards

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 55 **Measure:** Scale
Label: V100EC formal international standards **Missing:** -1
Question: Where such standards exist, EarthCube should use formal, internationally approved, geoscience-wide data access/sharing standards and protocols (e.g. ISO, OGC).
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V101ECencourageFormalStandIFnone

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 56 **Measure:** Scale
Label: V101EC encourage formal standards if don't exist **Missing:** -1
Question: Where there are not formal, international standards, please indicate your priority between, on the one hand, EarthCube encouraging development or extension of formal, internationally approved, geoscience-wide data access/sharing standards and protocols versus EarthCube have its own systems of standards and protocols.
Coding Instructions: Entered a number from 0 (International Standards) to 1 (EarthCube's Own Standards) with increments of 0.0625

Variable Name: V102StrongVsOpen

Item Number in the First Instrument: 39 **Type:** Numeric
Item Number in the Second Instrument: 57 **Measure:** Scale
Label: V102EC balance between cybersecurity and ease of access **Missing:** -1.00000, -.06250
Question: How should EarthCube balance between, on the one hand, strong protection against malicious attacks (but that may make your ability to access systems/data/tools/models for your work more cumbersome) versus, on the other hand, ease of access with minimal safeguards providing some protection (but that involve few constraints on your present ability to access systems/data/tools/models)? You may see both as important, but select the point on the continuum that you believe represents the most appropriate balance.
Coding Instructions: Entered a number from 0 (Strong Protection) to 1 (Ease of Access) with increments of 0.0625

Variable Name: V103EarthCubeDataAnalysisTools

Item Number in the First Instrument: 36 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V103EC guidelines for analysis tools, methods, and/or models **Missing:** -1.00000, -.06250
Question: The EarthCube initiative should specify guidelines so there is more interoperability and uniformity in geoscience data analysis tools, methods, and/or models.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V104EarthCubeDataVisulatization

Item Number in the First Instrument: 37 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V104EC guidelines for visualization tools **Missing:** -1.00000, -.06250
Question: The EarthCube initiative should specify guidelines so there is more interoperability and uniformity in geoscience visualization tools.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V105ECincorporateCommercial

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 58 **Measure:** Scale
Label: V105EC incorporate commercial **Missing:** -1
Question: The EarthCube incorporate commercial products or applications to reduce cost or speed development.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V106ECbenefitCommercial

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 59 **Measure:** Scale
Label: V106EC benefit commercial **Missing:** -1
Question: The EarthCube process should generate tools and approaches that benefit commercial products or applications.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V107Commercial

Item Number in the First Instrument: 40 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V107EC commercial products or applications **Missing:** -1.00000, -.06250
Question: The EarthCube process should strive to provide or result in tools and approaches that benefit the development of commercial products or applications.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V108EarthCubeTransformResearch

Item Number in the First Instrument: 44 **Type:** Numeric
Item Number in the Second Instrument: 60 **Measure:** Scale
Label: V108EC transform geoscience research **Missing:** -1.00000, -.06250
Question: As an integrated data and knowledge management system for the geosciences, EarthCube will transform geoscience research.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V109EarthCubeTransformEducation

Item Number in the First Instrument: 45 **Type:** Numeric
Item Number in the Second Instrument: 61 **Measure:** Scale
Label: V109EC transform geoscience education **Missing:** -1.00000, -.06250
Question: As an integrated data and knowledge management system for the geosciences, EarthCube will transform geoscience education.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V110EarthCubeInclusive

Item Number in the First Instrument: 46 **Type:** Numeric
Item Number in the Second Instrument: 62 **Measure:** Scale
Label: V110EC inclusive **Missing:** -1.00000, -.06250
Question: The EarthCube initiative is inclusive in the way it operates.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V111WhotoInvolve

Item Number in the First Instrument: 47 **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V111Who to involve **Missing:** None
Question: If you know of those (i.e., categories of people) who should be involved in EarthCube but are not at the present time, please note below:
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V112EarthCubeGrassRoots

Item Number in the First Instrument: 48 **Type:** Numeric
Item Number in the Second Instrument: 63 **Measure:** Scale
Label: V112EC grassroots, community-driven **Missing:** -1.00000, -.06250
Question: EarthCube should be primarily a grassroots, community-driven activity and the NSF should let it develop organically.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V113EarthCubeNSFMajorRole

Item Number in the First Instrument: 49 **Type:** Numeric
Item Number in the Second Instrument: 64 **Measure:** Scale
Label: V113NSF major role in EC operations **Missing:** -1.00000, -.06250
Question: The NSF should play a major, active role in determining what EarthCube should be and how it should be run.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V114CommunityElectedVsNSFSelected

Item Number in the First Instrument: 50 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V114EC balance between community-elected and NSF-selected **Missing:** -1.00000, -.06250
Question: If there was to be a core group of leaders for EarthCube, indicate your view of the appropriate balance between a core group of community-elected leaders, on one hand, versus a core group of NSF-selected leaders, on the other hand.
Coding Instructions: Entered a number from 0 (Community Elected) to 1 (NSF Selected) with increments of 0.0625

Variable Name: V115NoCoreGroupNeeded

Item Number in the First Instrument: 51 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V115No core group of EC leaders needed **Missing:** -1.00000, -.06250
Question: EarthCube can be run via interacting working groups with fluid and/or non-determinative leadership – that is, no core group of leaders is needed.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V116ECenableInterAgency

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 65 **Measure:** Scale
Label: V116EC enable inter-agency **Missing:** -1
Question: EarthCube should play an active role in enabling collaboration and coordination of geoscience cyberinfrastructure activities among US government organizations (NSF, NOAA, NASA, Army Corp, and others).
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V117ECenableInt

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 66 **Measure:** Scale
Label: V117EC enable international **Missing:** -1
Question: EarthCube should play an active role in enabling collaboration and coordination between US and international geoscience cyberinfrastructure initiatives and organizations.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V118VirtualComfortable

Item Number in the First Instrument: 57 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V118Comfortable using virtual/on-line technology **Missing:** -1.00000, -.06250
Question: I am completely comfortable using virtual/on-line technology for participating in EarthCube (video/teleconferencing, sharing documents in the cloud, wikis, twitter, etc.).
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V119AnnualMeetings

Item Number in the First Instrument: 58 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V119Periodic face-to-face meetings essential **Missing:** -1.00000, -.06250
Question: It is essential to have periodic face-to-face meetings (at least once a year) to support EarthCube.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V120EmployerValuesEarthCube

Item Number in the First Instrument: 61 **Type:** Numeric
Item Number in the Second Instrument: 67 **Measure:** Scale
Label: V120Employer will value and reward EC efforts **Missing:** -1.00000, -.06250
Question: My employer/organization will most likely value and reward any efforts I make in the shaping and development of EarthCube.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V121EmployerSeesEarthCubeasIntegral

Item Number in the First Instrument: 62 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Scale
Label: V121Employer will see EC as integral to job **Missing:** -1.00000, -.06250
Question: My employer/organization will most likely see my participation in the shaping and the development of EarthCube as an integral part of my job.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V122EarthCubeValuedbyColleagues

Item Number in the First Instrument: 63 **Type:** Numeric
Item Number in the Second Instrument: 68 **Measure:** Scale
Label: V122EC efforts valued by colleagues **Missing:** -1.00000, -.06250
Question: Any contributions I might make to the shaping and development of EarthCube will likely be recognized and valued by colleagues in my field/discipline.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V123InvolvementWithEC

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V123Level of involvement with EC **Missing:** None
Question:
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V124ReasonNotInvolved

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V124Reason if not involved **Missing:** None
Question:
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V125MotivatedReserach

Item Number in the First Instrument: 64 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Ordinal*
Label: V125Motivated EC to advance research **Missing:** -1.00000, -.06250
Question: If you are involved in EarthCube or intend to become involved, please rank order your top 5 motivations with a "1" for the top motivation, "2" for the next, and so on (note that fewer than five responses are acceptable if there are not five that apply): I am motivated to be involved with EarthCube in order to advance my research.
Coding Instructions: Ranking top 5 motivations with a "1" for the top motivation, "2" for the next, and so on.
***Note:** Inconsistency in completing this item led to a new formulation in the second wave of data collection.

Variable Name: V126MotivatedTeaching

Item Number in the First Instrument: 64 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Ordinal*
Label: V126Motivated EC to advance teaching **Missing:** -1.00000, -.06250
Question: If you are involved in EarthCube or intend to become involved, please rank order your top 5 motivations with a "1" for the top motivation, "2" for the next, and so on (note that fewer than five responses are acceptable if there are not five that apply): I am motivated to be involved with EarthCube in order to advance my teaching.
Coding Instructions: Ranking top 5 motivations with a "1" for the top motivation, "2" for the next, and so on.
***Note:** Inconsistency in completing this item led to a new formulation in the second wave of data collection.

Variable Name: V127MotivatedNetworking

Item Number in the First Instrument: 64 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Ordinal*
Label: V127Motivated EC for networking opportunities **Missing:** -1.00000, -.06250
Question: If you are involved in EarthCube or intend to become involved, please rank order your top 5 motivations with a "1" for the top motivation, "2" for the next, and so on (note that fewer than five responses are acceptable if there are not five that apply): I am motivated to be involved with EarthCube for the networking opportunities.
Coding Instructions: Ranking top 5 motivations with a "1" for the top motivation, "2" for the next, and so on.
***Note:** Inconsistency in completing this item led to a new formulation in the second wave of data collection.

Variable Name: V128MotivatedGrants

Item Number in the First Instrument: 64 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Ordinal*
Label: V128Motivated EC for grant proposals **Missing:** -1.00000, -.06250

Question: If you are involved in EarthCube or intend to become involved, please rank order your top 5 motivations with a "1" for the top motivation, "2" for the next, and so on (note that fewer than five responses are acceptable if there are not five that apply): I am motivated to be involved with EarthCube because I believe it will help me develop successful grant proposals.

Coding Instructions: Ranking top 5 motivations with a "1" for the top motivation, "2" for the next, and so on.

***Note:** Inconsistency in completing this item led to a new formulation in the second wave of data collection.

Variable Name: V129MotivatedScience

Item Number in the First Instrument: 64 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Ordinal*
Label: V129Motivated EC for new scientific advances **Missing:** -1.00000, -.06250

Question: If you are involved in EarthCube or intend to become involved, please rank order your top 5 motivations with a "1" for the top motivation, "2" for the next, and so on (note that fewer than five responses are acceptable if there are not five that apply): I am motivated to be involved with EarthCube because I believe it lead to new scientific advances

Coding Instructions: Ranking top 5 motivations with a "1" for the top motivation, "2" for the next, and so on.

***Note:** Inconsistency in completing this item led to a new formulation in the second wave of data collection.

Variable Name: V130MotivatedGeneralPublic

Item Number in the First Instrument: 64 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Ordinal*
Label: V130Motivated EC to make geo accessible to public **Missing:** -1.00000, -.06250

Question: If you are involved in EarthCube or intend to become involved, please rank order your top 5 motivations with a "1" for the top motivation, "2" for the next, and so on (note that fewer than five responses are acceptable if there are not five that apply): I am motivated to be involved with EarthCube in order to help make geoscience data/findings more accessible to the general public.

Coding Instructions: Ranking top 5 motivations with a "1" for the top motivation, "2" for the next, and so on.

***Note:** Inconsistency in completing this item led to a new formulation in the second wave of data collection.

Variable Name: V131MotivatedPolicyMakers

Item Number in the First Instrument: 64 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Ordinal*
Label: V131Motivated EC to inform policy **Missing:** -1.00000, -.06250
Question: If you are involved in EarthCube or intend to become involved, please rank order your top 5 motivations with a "1" for the top motivation, "2" for the next, and so on (note that fewer than five responses are acceptable if there are not five that apply): I am motivated to be involved with EarthCube in order to help better inform resource managers and policy makers.
Coding Instructions: Ranking top 5 motivations with a "1" for the top motivation, "2" for the next, and so on.
***Note:** Inconsistency in completing this item led to a new formulation in the second wave of data collection.

Variable Name: V132MotivatedProfession

Item Number in the First Instrument: 64 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Ordinal*
Label: V132Motivated EC as service to field/profession **Missing:** -1.00000, -.06250
Question: If you are involved in EarthCube or intend to become involved, please rank order your top 5 motivations with a "1" for the top motivation, "2" for the next, and so on (note that fewer than five responses are acceptable if there are not five that apply): I am motivated to be involved with EarthCube as important service to my field/profession.
Coding Instructions: Ranking top 5 motivations with a "1" for the top motivation, "2" for the next, and so on.
***Note:** Inconsistency in completing this item led to a new formulation in the second wave of data collection.

Variable Name: V133MotivatedOther

Item Number in the First Instrument: 64 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Ordinal*
Label: V133Other top five EC motivation **Missing:** None
Question: If you are involved in EarthCube or intend to become involved, please rank order your top 5 motivations with a "1" for the top motivation, "2" for the next, and so on (note that fewer than five responses are acceptable if there are not five that apply): Other (please specify)
Coding Instructions: Ranking top 5 motivations with a "1" for the top motivation, "2" for the next, and so on.
***Note:** Inconsistency in completing this item led to a new formulation in the second wave of data collection.
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V134MotivatedOtherSpecified

Item Number in the First Instrument: 64 **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V134Other EC motivation **Missing:** None
Question: If you are involved in EarthCube or intend to become involved, please rank order your top 5 motivations with a "1" for the top motivation, "2" for the next, and so on (note that fewer than five responses are acceptable if there are not five that apply): If other, please specify:
Coding Instructions: Description of motivation if it is not listed in Question 64
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V135IfNoneofAbove

Item Number in the First Instrument: 64 **Type:** Numeric
Item Number in the Second Instrument: **Measure:** Nominal
Label: V135If none of above, interested or not **Missing:** -1
Question: Note, if none of the above apply, please indicate which of these is applicable:
Coding Instructions: I am not involved in EarthCube but am open to becoming involved in the future = 1
I am not interested in EarthCube and have no intention of getting involved = 2

Variable Name: V136AdditionalDriversIncentives

Item Number in the First Instrument: 65 **Type:** String
Item Number in the Second Instrument: **Measure:** Nominal
Label: V136Additional comments EC impacts/incentives **Missing:** None
Question: If you have additional comments on the impacts/incentives that might drive/enable your potential engagement in EarthCube, please indicate that below.
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V137ECadvanceResearch

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 69 **Measure:** Scale
Label: V137EC to advance research **Missing:** -1
Question: If you are involved in EarthCube or intend to become involved, please indicate how low or high your motivation is along each dimension (1 is low and 5 is high motivation): I am motivated to be involved with EarthCube for. . . Advancing my research.
Coding Instructions: Entered a number from 0 (Low) to 1 (High) with increments of 0.20

Variable Name: V138ECadvanceTeaching

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 69 **Measure:** Scale
Label: V138EC to advance teaching **Missing:** -1
Question: If you are involved in EarthCube or intend to become involved, please indicate how low or high your motivation is along each dimension (1 is low and 5 is high motivation): I am motivated to be involved with EarthCube for. . . Advancing my teaching.
Coding Instructions: Entered a number from 0 (Low) to 1 (High) with increments of 0.20

Variable Name: V139ECnetworkingOpportunities

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 69 **Measure:** Scale
Label: V139EC for networking opportunities **Missing:** -1
Question: If you are involved in EarthCube or intend to become involved, please indicate how low or high your motivation is along each dimension (1 is low and 5 is high motivation): I am motivated to be involved with EarthCube for. . . Networking opportunities.
Coding Instructions: Entered a number from 0 (Low) to 1 (High) with increments of 0.20

Variable Name: V140ECgrantProposals

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 69 **Measure:** Scale
Label: V140EC for grant proposals **Missing:** -1
Question: If you are involved in EarthCube or intend to become involved, please indicate how low or high your motivation is along each dimension (1 is low and 5 is high motivation): I am motivated to be involved with EarthCube for. . . Developing successful grant proposals.
Coding Instructions: Entered a number from 0 (Low) to 1 (High) with increments of 0.20

Variable Name: V141ECnewScientificAdvances

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 69 **Measure:** Scale
Label: V141EC for new scientific advances **Missing:** -1
Question: If you are involved in EarthCube or intend to become involved, please indicate how low or high your motivation is along each dimension (1 is low and 5 is high motivation): I am motivated to be involved with EarthCube for. . . Leading to new scientific advances.
Coding Instructions: Entered a number from 0 (Low) to 1 (High) with increments of 0.20

Variable Name: V142ECgeoAccessiblePublic

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 69 **Measure:** Scale
Label: V142EC to make geo accessible to public **Missing:** -1
Question: If you are involved in EarthCube or intend to become involved, please indicate how low or high your motivation is along each dimension (1 is low and 5 is high motivation): I am motivated to be involved with EarthCube for. . . Making geoscience data/findings more accessible to the general public.
Coding Instructions: Entered a number from 0 (Low) to 1 (High) with increments of 0.20

Variable Name: V143ECinformPolicy

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 69 **Measure:** Scale
Label: V143EC to inform policy **Missing:** -1
Question: If you are involved in EarthCube or intend to become involved, please indicate how low or high your motivation is along each dimension (1 is low and 5 is high motivation): I am motivated to be involved with EarthCube for. . . Helping to inform resource managers and policy makers.
Coding Instructions: Entered a number from 0 (Low) to 1 (High) with increments of 0.20

Variable Name: V144ECserviceFieldProfession

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 69 **Measure:** Scale
Label: V144EC as service to field/profession **Missing:** -1
Question: If you are involved in EarthCube or intend to become involved, please indicate how low or high your motivation is along each dimension (1 is low and 5 is high motivation): I am motivated to be involved with EarthCube for. . . Serving my field/profession.
Coding Instructions: Entered a number from 0 (Low) to 1 (High) with increments of 0.20

Variable Name: V145VAR00082

Item Number in the First Instrument: **Type:**
Item Number in the Second Instrument: **Measure:**
Label: **Missing:**
Question:
Coding Instructions:

Variable Name: V146VAR00083

Item Number in the First Instrument: **Type:**
Item Number in the Second Instrument: **Measure:**
Label: **Missing:**
Question:
Coding Instructions:

Variable Name: V147EarthCubeTopThreePriorities

Item Number in the First Instrument: 59 **Type:** Numeric
Item Number in the Second Instrument: 70 **Measure:** Scale
Label: V147EC one of top three professional commitments **Missing:** -1.00000, -.06250
Question: Assisting in the development and operation of EarthCube will be one of my top three professional commitments in the next 3-5 years.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V148EarthCubePriorityWithoutFunding

Item Number in the First Instrument: 60 **Type:** Numeric
Item Number in the Second Instrument: 71 **Measure:** Scale
Label: V148Devote time to EC irrespective of NSF funding **Missing:** -1.00000, -.06250
Question: I plan to devote time to help EarthCube development and operations, irrespective of whether or not I receive NSF funding or not.
Coding Instructions: Entered a number from 0 (Strongly Disagree) to 1 (Strongly Agree) with increments of 0.0625

Variable Name: V149AdditionalComments

Item Number in the First Instrument: **Type:** String
Item Number in the Second Instrument: 72 **Measure:** Nominal
Label: V149Additional comments **Missing:** None
Question: If you have additional comments on the impacts/incentives that might drive/enable your potential engagement in EarthCube, please indicate that below.
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V150PrimaryRoleExpertise

Item Number in the First Instrument: 66 **Type:** Numeric
Item Number in the Second Instrument: 73 **Measure:** Nominal
Label: V150Primary role/expertise **Missing:** None
Question: Which is your primary role/type of expertise?
Coding Instructions: Atmospheric and Space Weather Scientist = 1
Oceanographer = 2
Geologist = 3
Geophysicist = 4
Hydrologist = 5
Critical Zone Scientist = 6
Climate Scientist = 7
Biologist and Eco Systems Scientist = 8
Geographer = 9
Computer and Cyber Scientist = 10
Social Scientist = 11
Other Scientist = 12
Data Manager = 13
High Performance Computing Expert = 14
Software Engineer = 15
User Support Personnel = 16
K-12 Educator = 17
Designer/developer of Geoscience Instrumentation = 18
Environmental Resource Manager = 19
Other Expert = 20

Variable Name: V151Other

Item Number in the First Instrument: 66 **Type:** String
Item Number in the Second Instrument: 73 **Measure:** Nominal
Label: V151Other primary role/expertise **Missing:** None
Question: If you selected other, please specify your role
Coding Instructions:

Variable Name: V152SecondaryRoleExpertise

Item Number in the First Instrument: 67 **Type:** Numeric
Item Number in the Second Instrument: 74 **Measure:** Nominal
Label: V152Secondary role/expertise **Missing:** -1
Question: If appropriate, what is your secondary role/type of expertise?
Coding Instructions: Atmospheric and Space Weather Scientist = 1
Oceanographer = 2
Geologist = 3
Geophysicist = 4
Hydrologist = 5
Critical Zone Scientist = 6
Climate Scientist = 7
Biologist and Eco Systems Scientist = 8
Geographer = 9
Computer and Cyber Scientist = 10
Social Scientist = 11
Other Scientist = 12
Data Manager = 13
High Performance Computing Expert = 14
Software Engineer = 15
User Support Personnel = 16
K-12 Educator = 17
Designer/developer of Geoscience Instrumentation = 18
Environmental Resource Manager = 19
Other Expert = 20

Variable Name: V153Other

Item Number in the First Instrument: 67 **Type:** String
Item Number in the Second Instrument: 74 **Measure:** Nominal
Label: V153Other secondary role/expertise **Missing:** None
Question: If you selected other, please specify your role
Coding Instructions:

Variable Name: V154AtmosphericandSpaceWeatherscientists

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V154Atmospheric and Space Weather scientists **Missing:** -1
Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Atmospheric and Space Weather scientists
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V155Oceanographers

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V155Oceanographers **Missing:** -1
Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Oceanographers
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V156Geologists

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V156Geologists **Missing:** -1
Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Geologists
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V157Geophysicists

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V157Geophysicists **Missing:** -1
Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Geophysicists
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V158Hydrologists

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V158Hydrologists **Missing:** -1
Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Hydrologists
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V159Criticalzonescientists

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V159Critical zone scientists **Missing:** -1
Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Critical zone scientists
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V160Climatescientists

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V160Climate scientists **Missing:** -1
Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Climate scientists
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V161BiologistsandEcosystemsscientists

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V161Biologists and Ecosystems scientists **Missing:** -1
Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Biologists and Ecosystems scientists
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V162Geographers

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V162Geographers **Missing:** -1
Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Physical Geographers
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V163ComputerandCyberinfrastructurescientists

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V163Computer and Cyber scientists **Missing:** -1
Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Computer and Cyberinfrastructure scientists
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V164Socialscientists

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V164Social scientists **Missing:** -1

Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Social scientists (Human Geographers, Anthropologists, Economists, Psychologists, Sociologists)

Coding Instructions:
Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V165Otherscientists

Item Number in the First Instrument: 68 **Type:** Numeric
Item Number in the Second Instrument: 75 **Measure:** Nominal
Label: V165Other scientists **Missing:** -1

Question: Please indicate your work-related interactions with Scientists/Educators in the following fields over the past 2-3 years: Other scientists

Coding Instructions:
Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V166Datamanagersl

Item Number in the First Instrument: 69 **Type:** Numeric
Item Number in the Second Instrument: 76 **Measure:** Nominal
Label: V166Data managers **Missing:** -1

Question: Please indicate your work-related interactions with the following types of experts over the past 2-3 years: Data managers

Coding Instructions:
Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V167Highperformancecomputingexperts

Item Number in the First Instrument: 69 **Type:** Numeric
Item Number in the Second Instrument: 76 **Measure:** Nominal
Label: V167High performance computing experts **Missing:** -1
Question: Please indicate your work-related interactions with the following types of experts over the past 2-3 years: High performance computing experts
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V168Softwareengineers

Item Number in the First Instrument: 69 **Type:** Numeric
Item Number in the Second Instrument: 76 **Measure:** Nominal
Label: V168Software engineers **Missing:** -1
Question: Please indicate your work-related interactions with the following types of experts over the past 2-3 years: Software engineers
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V169Usersupportpersonnel

Item Number in the First Instrument: 69 **Type:** Numeric
Item Number in the Second Instrument: 76 **Measure:** Nominal
Label: V169User support personnel **Missing:** -1
Question: Please indicate your work-related interactions with the following types of experts over the past 2-3 years: User support personnel
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V170K12educator

Item Number in the First Instrument: 69 **Type:** Numeric
Item Number in the Second Instrument: 76 **Measure:** Nominal
Label: V170K-12 educators **Missing:** -1
Question: Please indicate your work-related interactions with the following types of experts over the past 2-3 years: K-12 educator
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V171Designerdeveloperofgeoscienceinstrumentation

Item Number in the First Instrument: 69 **Type:** Numeric
Item Number in the Second Instrument: 76 **Measure:** Nominal
Label: V171Designers/developers of geoscience instrumentation **Missing:** -1
Question: Please indicate your work-related interactions with the following types of experts over the past 2-3 years: Designer/developer of geoscience instrumentation
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V172Environmentalresourcemanager

Item Number in the First Instrument: 69 **Type:** Numeric
Item Number in the Second Instrument: 76 **Measure:** Nominal
Label: V172Environmental resource managers **Missing:** -1
Question: Please indicate your work-related interactions with the following types of experts over the past 2-3 years: Environmental resource managers (eg. national, state or federal)
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V173Otherexperts

Item Number in the First Instrument: 69 **Type:** Numeric
Item Number in the Second Instrument: 76 **Measure:** Nominal
Label: V173Other experts **Missing:** -1
Question: Please indicate your work-related interactions with the following types of experts over the past 2-3 years: Other experts
Coding Instructions: Never = 0
Annual= 1
Quarterly= 2
Monthly= 3
Weekly= 4
Daily= 5

Variable Name: V174OpenItisdifficulttosharemydatabecause

Item Number in the First Instrument: 70 **Type:** String
Item Number in the Second Instrument: 77 **Measure:** Nominal
Label: V174Difficult to share data **Missing:** None
Question: It is difficult to share my data because:
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V175OpenItisdifficulttoaccessthedataIneedbecause

Item Number in the First Instrument: 71 **Type:** String
Item Number in the Second Instrument: 78 **Measure:** Nominal
Label: V175Difficult to access data **Missing:** None
Question: It is difficult to access the data I need because:
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V176OpenTheonethingthatwouldmakethebiggestdifferenceinmy

Item Number in the First Instrument: 72 **Type:** String
Item Number in the Second Instrument: 79 **Measure:** Nominal
Label: V176What will make the biggest difference **Missing:** None
Question: The one thing that would make the biggest difference in my ability to do the data-enabled science and education I want to do:
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V177OpenWhatisyourvisionofsuccessforEarthCube

Item Number in the First Instrument: 73 **Type:** String
Item Number in the Second Instrument: 80 **Measure:** Nominal
Label: V177EC success vision **Missing:** None
Question: What is your vision of success for EarthCube?
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Variable Name: V178YearOfBirth

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 81 **Measure:** Scale
Label: V178Year of birth **Missing:** -1
Question: Your year of birth
Coding Instructions:

Variable Name: V179MaritalStatus

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 82 **Measure:** Nominal
Label: V179Marital status **Missing:** -1
Question: Your marital status
Coding Instructions: Spouse or living with partner = 0
Single = 1
Separated/divorced/widowed = 2

Variable Name: V180ParentingOrElderCare

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 83 **Measure:** Scale
Label: V180Parenting or elder care **Missing:** -1
Question: To what degree do parenting or elder-care responsibilities impact the time you have available for your work
Coding Instructions: Entered a number from 0 (Not at All) to 1 (To a great Degree) with increments of 0.0625

Variable Name: V181AdditionalContact

Item Number in the First Instrument: **Type:** Numeric
Item Number in the Second Instrument: 84 **Measure:** Nominal
Label: V181Additional contact **Missing:** -1
Question: After the data have been collected and reviewed, questions often arise about unexpected results. If this occurs, we would like permission to contact you for a better interpretation. This is completely optional.
Coding Instructions: Contact = 1
Otherwise = 0

Variable Name: V182OpenIfyouhaveanyothercomments

Item Number in the First Instrument: 74
Item Number in the Second Instrument: 85
Label: V182Other comments
Question:
Coding Instructions:
Note: This variable is not included in the public data set but it can be provided on a case by case basis with protections for confidentiality.

Type: String
Measure: Nominal
Missing: None

Variable Name: V183surveytime

Item Number in the First Instrument:
Item Number in the Second Instrument:
Label: V183Survey time
Question:
Coding Instructions:

Type: Numeric
Measure: Scale
Missing: None