start
DecisionGraph-1
Section Open
Section FAIR (Findable, Accessible, Interoperable, Reusable)
Section Citable
Section Trustworthy-ness
FAIR (Findable, Accessible, Interoperable, Reusable)
questionnaire.dg/PID ask Does your repository assign globally unique and persistent identifiers (PID)?
yes
no
Set DataRepoCompliance: Properties: FindableProps: PersistentIdentifier=externalPID FAIR: Findable=partiallyFindable
questionnaire.dg/sSelfPID ask Does the repository allows users to self assign an identifier to a data set or data contribution?
yes
no
Set DataRepoCompliance: Properties: FindableProps: PersistentIdentifier=internalPID FAIR: Findable=partiallyFindable
Set DataRepoCompliance: Properties: FindableProps: PersistentIdentifier=none
Section Findable
Section Accessible
Section Interoperable
Section Re-usable
Citable
Set DataRepoCompliance: Citable=notSupported
questionnaire.dg/orcidAssociation ask Does the repository allow the authors to associate their ORCID ID with a dataset?
required
supported
not available
Set DataRepoCompliance: Properties: CitableProps: OrcidAssociation=required Citable=partiallySupported
Set DataRepoCompliance: Properties: CitableProps: OrcidAssociation=supported Citable=partiallySupported
Set DataRepoCompliance: Properties: CitableProps: OrcidAssociation=none CitationMetadataLevel=none
questionnaire.dg/landingPage ask Does the repository provide a machine-readable landing page?
yes
no
questionnaire.dg/landingPage-dataCitation ask Does that page support data citation?
Set DataRepoCompliance: Properties: CitableProps: MachineReadableLandingPage=none
yes
no
Set DataRepoCompliance: Properties: CitableProps: MachineReadableLandingPage=supportsDataCitation Citable=partiallySupported
Set DataRepoCompliance: Properties: CitableProps: MachineReadableLandingPage=exists
consider
else
Citable=partiallySupported
questionnaire.dg/DRC73 ask Does the repository provide the required metadata for supporting data citation?
yes
no
questionnaire.dg/DRC77 ask Does the repository provide a machine-readable landing page?
full
partial
none
Set DataRepoCompliance: Properties: CitableProps: CitationMetadataLevel=full
Set DataRepoCompliance: Properties: CitableProps: CitationMetadataLevel=partial
Set DataRepoCompliance: Properties: CitableProps: CitationMetadataLevel=none
consider
Citable=partiallySupported Properties: CitableProps: CitationMetadataLevel=full MachineReadableLandingPage=supportsDataCitation
Set DataRepoCompliance: Citable=fullySupported
Trustworthy-ness
questionnaire.dg/trustworthy ask Has the repository been certified by Data Seal of Approval or the Core Trust Seal?
yes
no
Set DataRepoCompliance: Trustworthy=noConcerns
questionnaire.dg/DRC101 ask Is the governance of the repository transparent?
best
adequate
unclear
Set DataRepoCompliance: Properties: TrustworthinessProps: GovernanceTransparency=full
Set DataRepoCompliance: Properties: TrustworthinessProps: GovernanceTransparency=partial
Set DataRepoCompliance: Properties: TrustworthinessProps: GovernanceTransparency=opaque
consider
Properties: TrustworthinessProps: GovernanceTransparency=opaque
else
questionnaire.dg/DRC97 ask Is the repository stakeholder governed?
full
good
weak
none
Set DataRepoCompliance: Properties: TrustworthinessProps: StakeholderGovernance=full
Set DataRepoCompliance: Properties: TrustworthinessProps: StakeholderGovernance=good
Set DataRepoCompliance: Properties: TrustworthinessProps: StakeholderGovernance=weak
Set DataRepoCompliance: Properties: TrustworthinessProps: StakeholderGovernance=none
questionnaire.dg/DRC105 ask Is the code that runs the data infrastructure covered under an open source license?
best
good
no
Set DataRepoCompliance: Properties: TrustworthinessProps: SourceOpen=yes
Set DataRepoCompliance: Properties: TrustworthinessProps: SourceOpen=partially
Set DataRepoCompliance: Properties: TrustworthinessProps: SourceOpen=no
consider
else
Properties: TrustworthinessProps: SourceOpen=yes StakeholderGovernance=full GovernanceTransparency=full
Properties: TrustworthinessProps: SourceOpen=no StakeholderGovernance=none GovernanceTransparency=opaque
Set DataRepoCompliance: Trustworthy=noConcerns
Set DataRepoCompliance: Trustworthy=significantConcerns
Set DataRepoCompliance: Trustworthy=minorConcerns
Open
questionnaire.dg/open ask Does the repository provide access to the data with minimal or no restrictions?
no restrictions
minimal restrictions
significant restrictions
significant but not justified restrictions
Set DataRepoCompliance: Properties: OpenProps: OpenFlags+=humanAccessible Restrictions=none
Set DataRepoCompliance: Properties: OpenProps: Restrictions=minimal
Set DataRepoCompliance: Properties: OpenProps: Restrictions=significant
Set DataRepoCompliance: Properties: OpenProps: Restrictions=significant OpenFlags+=restrictionsNotJustified
questionnaire.dg/DRC11_19 ask Are you free to download the data and reuse it with no or minimal restrictions?
yes, using open format
no
yes, using proprietary format
Set DataRepoCompliance: Properties: OpenProps: OpenFlags+=machineAccessible,openFormat
Set DataRepoCompliance: Properties: OpenProps: OpenFlags+=machineAccessible
questionnaire.dg/openPlatformReuse ask Does the repository platform make it easy to work with (e.g. download/re-use) the data?
yes
no
Set DataRepoCompliance: Properties: OpenProps: OpenFlags+=platformSupportsDataWork
questionnaire.dg/sumOpen consider
Properties: OpenProps: OpenFlags+=humanAccessible,machineAccessible,openFormat,openLicense
Properties: OpenProps: OpenFlags+=openLicense
Properties: OpenProps: OpenFlags+=openFormat
Properties: OpenProps: OpenFlags+=humanAccessible
Properties: OpenProps: OpenFlags+=machineAccessible
else
Set DataRepoCompliance: Open=fullyOpen
Set DataRepoCompliance: Open=partiallyOpen
Set DataRepoCompliance: Open=partiallyOpen
Set DataRepoCompliance: Open=partiallyOpen
Set DataRepoCompliance: Open=partiallyOpen
Set DataRepoCompliance: Open=closed
Accessible
questionnaire.dg/accessStdCompApi ask Can the (meta)data be accessed via a standards compliant API?
yes
no
Set DataRepoCompliance: Properties: AccessibleProps: AccessibleFlags+=stdApi FAIR: Accessible=partiallyAccessible
questionnaire.dg/metadataPersistence ask Does the repository have a policy that ensures the metadata (landing page) will persist even if the data are no longer available?
unknown
by evidence
by policy
Set DataRepoCompliance: Properties: AccessibleProps: MetadataPersistence=unknown
Set DataRepoCompliance: Properties: AccessibleProps: MetadataPersistence=byEvidence AccessibleFlags+=persistentMetadata FAIR: Accessible=partiallyAccessible
Set DataRepoCompliance: Properties: AccessibleProps: MetadataPersistence=byStatedPolicy AccessibleFlags+=persistentMetadata FAIR: Accessible=partiallyAccessible
questionnaire.dg/clearLicense ask Does the repository provide a clear license for reuse of the data?
dataset level
repository level
no license
Set DataRepoCompliance: Properties: AccessibleProps: ReuseLicense=datasetLevel AccessibleFlags+=licenseOK FAIR: Accessible=partiallyAccessible
Set DataRepoCompliance: Properties: AccessibleProps: ReuseLicense=repositoryLevel AccessibleFlags+=licenseOK FAIR: Accessible=partiallyAccessible
Set DataRepoCompliance: Properties: AccessibleProps: ReuseLicense=none
questionnaire.dg/communityStandards ask Does the repository enforce or allow the use of community standards for data format or metadata?
yes
no
Set DataRepoCompliance: Properties: AccessibleProps: AccessibleFlags+=communityStandard FAIR: Accessible=partiallyAccessible
questionnaire.dg/sumAccessible consider
Properties: AccessibleProps: AccessibleFlags+=communityStandard,licenseOK,persistentMetadata,stdApi
else
Set DataRepoCompliance: FAIR: Accessible=fullyAccessible
Set DataRepoCompliance: FAIR: Accessible=notAccessible
Findable
consider
Properties: FindableProps: PersistentIdentifier=none
else
questionnaire.dg/DRC38 ask Does the PID resolve to a landing page that describes the data?
yes
no
questionnaire.dg/DRC38b ask Is there a stable web address that contains metadata about each dataset?
no
yes
Set DataRepoCompliance: Properties: FindableProps: FindableFlags+=humanAccessible FAIR: Findable=partiallyFindable
Set DataRepoCompliance: Properties: FindableProps: FindableFlags+=humanAccessible FAIR: Findable=partiallyFindable
questionnaire.dg/RichMetadata ask Does the repository support the addition of rich metadata to promote search and reuse of data?
rich
limited
minimal
Set DataRepoCompliance: Properties: FindableProps: MetadataGrade=rich FAIR: Findable=partiallyFindable
Set DataRepoCompliance: Properties: FindableProps: MetadataGrade=limited FAIR: Findable=partiallyFindable
Set DataRepoCompliance: Properties: FindableProps: MetadataGrade=minimal
consider
Properties: FindableProps: PersistentIdentifier=none
else
questionnaire.dg/PidInMetadata ask Does the metadata clearly and explicitly include the identifier of the data it describes?
no
yes
Set DataRepoCompliance: Properties: FindableProps: FindableFlags+=idInMetadata FAIR: Findable=partiallyFindable
questionnaire.dg/WebBasedSearch ask Does the repository provide web-based search and access to the data and metadata?
yes
no
Set DataRepoCompliance: Properties: FindableProps: FindableFlags+=machineAccessible FAIR: Findable=partiallyFindable
questionnaire.dg/internalSearchFacility ask Does the repository provide a search facility for the data and metadata?
yes
no
Set DataRepoCompliance: Properties: FindableProps: FindableFlags+=internalSearchOK FAIR: Findable=partiallyFindable
questionnaire.dg/sumFindable consider
Properties: FindableProps: FindableFlags+=humanAccessible,idInMetadata,internalSearchOK,machineAccessible PersistentIdentifier=externalPID
else
consider
Set DataRepoCompliance: FAIR: Findable=notFindable
Properties: FindableProps: MetadataGrade=rich
Set DataRepoCompliance: FAIR: Findable=fullyFindable
Interoperable
questionnaire.dg/metadataContVocab ask Do the metadata use a formal, accessible, shared and broadly applicable language for knowledge representation?
yes
no
Set DataRepoCompliance: Properties: InteroperableProps: InteroperableFlags+=formalMetadataVocabularyOK FAIR: Interoperable=partiallyInteroperable
questionnaire.dg/metadataFair ask Do the metadata use vocabularies that follow FAIR principles?
enforced
allowed
minimal
Set DataRepoCompliance: Properties: InteroperableProps: MetadataFAIRness=enforced InteroperableFlags+=fairMetadataOK FAIR: Interoperable=partiallyInteroperable
Set DataRepoCompliance: Properties: InteroperableProps: MetadataFAIRness=allowed InteroperableFlags+=fairMetadataOK FAIR: Interoperable=partiallyInteroperable
Set DataRepoCompliance: Properties: InteroperableProps: MetadataFAIRness=minimal
questionnaire.dg/metadataRefs ask Do the metadata include qualified references to other (meta)data?
best
good
worst
Set DataRepoCompliance: Properties: InteroperableProps: MetadataReferenceQuality=formal InteroperableFlags+=qualifiedMetadataReferencesOK FAIR: Interoperable=partiallyInteroperable
Set DataRepoCompliance: Properties: InteroperableProps: MetadataReferenceQuality=informal InteroperableFlags+=qualifiedMetadataReferencesOK FAIR: Interoperable=partiallyInteroperable
Set DataRepoCompliance: Properties: InteroperableProps: MetadataReferenceQuality=freeText
questionnaire.dg/studyLinkage ask If the data were published in the context of an accompanying scientific paper, does the repository support bidirectional linkage between the...
full
good
unclear
none
Set DataRepoCompliance: Properties: InteroperableProps: StudyLinkage=machineReadableMetadata InteroperableFlags+=studyLinkageOK
Set DataRepoCompliance: Properties: InteroperableProps: StudyLinkage=textualMetadata InteroperableFlags+=studyLinkageOK
Set DataRepoCompliance: Properties: InteroperableProps: StudyLinkage=freeText
Set DataRepoCompliance: Properties: InteroperableProps: StudyLinkage=none
questionnaire.dg/sumInteroperable consider
Properties: InteroperableProps: InteroperableFlags+=fairMetadataOK,formalMetadataVocabularyOK,qualifiedMetadataReferencesOK,studyLinkageOK
else
Set DataRepoCompliance: FAIR: Interoperable=fullyInteroperable
Set DataRepoCompliance: FAIR: Interoperable=notInteroperable
Re-usable
questionnaire.dg/reuseDocumentation ask Does the repository require or support documentation that aids in proper (re)-use of the data?
full
good
adequate
lacking
Set DataRepoCompliance: Properties: ReusableProps: ReusableFlags+=documentationOK DocumentationLevel=full
Set DataRepoCompliance: Properties: ReusableProps: ReusableFlags+=documentationOK DocumentationLevel=good
Set DataRepoCompliance: Properties: ReusableProps: ReusableFlags+=documentationOK DocumentationLevel=adequate
Set DataRepoCompliance: Properties: ReusableProps: DocumentationLevel=lacking
questionnaire.dg/ccLicense ask Are the data covered by a commons-compliant license?
fully compliant
good
adequate
inappropriate
none
Set DataRepoCompliance: Properties: ReusableProps: ReusableFlags+=ccLicenseOK CCLicenseCompliance=full FAIR: Reusable=partiallyReusable
Set DataRepoCompliance: Properties: ReusableProps: ReusableFlags+=ccLicenseOK CCLicenseCompliance=good FAIR: Reusable=partiallyReusable
Set DataRepoCompliance: Properties: ReusableProps: ReusableFlags+=ccLicenseOK CCLicenseCompliance=adequate FAIR: Reusable=partiallyReusable
Set DataRepoCompliance: Properties: ReusableProps: CCLicenseCompliance=nonCompliant
Set DataRepoCompliance: Properties: ReusableProps: CCLicenseCompliance=none
questionnaire.dg/mdProvenance ask Are the metadata associated with detailed provenance?
best
adequate
unclear
Set DataRepoCompliance: Properties: ReusableProps: MetadataProvenance=full ReusableFlags+=metadataProvenanceOK FAIR: Reusable=partiallyReusable
Set DataRepoCompliance: Properties: ReusableProps: MetadataProvenance=adequate ReusableFlags+=metadataProvenanceOK FAIR: Reusable=partiallyReusable
Set DataRepoCompliance: Properties: ReusableProps: MetadataProvenance=unclear
questionnaire.dg/acceptGeneralMetadata ask Does the repository use a recognized community standard for representing basic metadata?
yes
no
Set DataRepoCompliance: Properties: ReusableProps: ReusableFlags+=generalMetadata FAIR: Reusable=partiallyReusable
questionnaire.dg/acceptDkNetMetadata ask Does your repository accept metadata that is applicable to the dkNET community disciplines?
no
for datasets
for datasets & subjects
Set DataRepoCompliance: Properties: ReusableProps: DkNetMetadataLevel=none
Set DataRepoCompliance: Properties: ReusableProps: DkNetMetadataLevel=dataset ReusableFlags+=dkNetMetadataOK FAIR: Reusable=partiallyReusable
Set DataRepoCompliance: Properties: ReusableProps: DkNetMetadataLevel=datasetAndSubject ReusableFlags+=dkNetMetadataOK FAIR: Reusable=partiallyReusable
consider
Properties: ReusableProps: ReusableFlags+=ccLicenseOK,dkNetMetadataOK,documentationOK,generalMetadata,metadataProvenanceOK
else
Set DataRepoCompliance: FAIR: Reusable=fullyReusable
Set DataRepoCompliance: FAIR: Reusable=notReusable