
DDI

Data Management meeting minutes

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Version: 4

Date: 2014.04.08



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Project Home				
*Moving Forward Project				

Events				
Toronto Sprint				
Vancouver Sprint				

Overarching Teams				
Modelling Team				
Content Teams				
Agent Team				
Conceptual Team				
Core Group				
Process Provenance Team				

Discussions at NADDI This small group developed some XML for their content, created an XSLT spreadsheet, and then showed the output of what they are calling Study Inception (given below)

1 STUDY INCEPTION VIEW

This document describes all the elements that might be used to record information on the beginning phases of a research study, such as an analysis plan, sampling method, weighting strategies, funding information, and infrastructure requirements, which can be combined into a Data Management Plan. This list is a formal description of a functional view for DDI4. Functional views are a list of elements and restrictions on their properties and relationships. Functional views can be used to create XML schemas and/or RDF vocabularies.

1.1 ResearchQuestion

Properties

1. xxxx (0 - Unbounded)

Relationships

1.2 AnnotatedBibliography

Properties

1. Topic (0 - Unbounded)

Relationships

1.3 Citation

Points to research or theory.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.4 Annotation

Properties

1. xxxx (0 - Unbounded)

Relationships

1.5 Concept

Properties

1. xxxx (0 - Unbounded)

Relationships

1.6 Universe

Properties

1. xxxx (0 - Unbounded)

Relationships

1.7 DataCitation

Properties

1. xxxx (0 - Unbounded)

Relationships

1.8 AccessConsiderations

We need to look at existing stuff in 3.2.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.9 DataEvaluation

Properties

1. xxxx (0 - Unbounded)

Relationships

1.10 PossibleOutput

This would include data sets, publications, and visualizations

Properties

1. xxxx (0 - Unbounded)

Relationships

1.11 DataSet

Might be tabulated data - this is what you might produce.

Properties

1. Description (0 - Unbounded)
2. DataFormat (0 - Unbounded)
3. DataType (0 - Unbounded)

Relationships

1. CollectionMethod (0 - Unbounded)

1.12 OutputMethod

Properties

1. xxxx (0 - Unbounded)

Relationships

1.13 AnalysisMethod

Look at existing objects; this may even include references to specific variables and their roles in known or proposed data sets.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.14 SoftwareRequirement

Properties

1. xxxx (0 - Unbounded)

Relationships

1.15 ProgrammingRequirement

Properties

1. xxxx (0 - Unbounded)

Relationships

1.16 DataCollectionEvaluation

Identifies organizations, infrastructure needs, expertise, budget, capacity, etc.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.17 StaffingRequirements

Properties

1. xxxx (0 - Unbounded)

Relationships

1.18 EquipmentRequirements

Properties

1. xxxx (0 - Unbounded)

Relationships

1.19 TravelRequirements

Properties

1. xxxx (0 - Unbounded)

Relationships

1.20 DisseminationRequirements

Would include specific fundedr requirements, requirements of target publications - relationship to some organization where data is deposited

Properties

1. xxxx (0 - Unbounded)

Relationships

1.21 DataAccessRequirements

Properties

1. xxxx (0 - Unbounded)

Relationships

1.22 TrainingRequirements

Properties

1. xxxx (0 - Unbounded)

Relationships

1.23 DependentVariables

Groups Conceptual Variables or RepresentedVariables

Properties

1. xxxx (0 - Unbounded)

Relationships

1.24 IndependentVariables

Groups Conceptual Variables or RepresentedVariables

Properties

1. xxxx (0 - Unbounded)

Relationships

1.25 ControlVariables

Groups Conceptual Variables or RepresentedVariables

Properties

1. xxxx (0 - Unbounded)

Relationships

1.26 ProjectTimetable

Properties

1. xxxx (0 - Unbounded)

Relationships

1.27 FundingSources

Properties

1. xxxx (0 - Unbounded)

Relationships

1.28 DataManagementPlan

Properties

1. xxxx (0 - Unbounded)

Relationships

1.29 ProjectProposal

Properties

1. xxxx (0 - Unbounded)

Relationships

1.30 FunderRequirements

Properties

1. xxxx (0 - Unbounded)

Relationships

1.31 FunderApplication

Properties

1. xxxx (0 - Unbounded)

Relationships

1.32 InternalReview

Properties

1. xxxx (0 - Unbounded)

Relationships

1.33 ApplicationProcess

Links to a Process description - would need a process step status field

Properties

1. xxxx (0 - Unbounded)

Relationships

1.34 ExpertList

Groups a set of qualified individuals.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.35 AccessGrantingBodies

Organizations needed to grant access to the population of the study or sources of data such as administrative records.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.36 InstrumentUseRequirements

Legal and financial requirements to use or modify instruments (proprietary scales, etc.)

Properties

1. xxxx (0 - Unbounded)

Relationships

1.37 SamplingMethod

Properties

1. xxxx (0 - Unbounded)

Relationships

1.38 SubUniverse

Sub-populations which will have special sampling applied to them. May not be needed if normal Universe is hierarchical.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.39 SamplingFrame

Properties

1. xxxx (0 - Unbounded)

Relationships

1.40 SamplingStrategy

Properties

1. xxxx (0 - Unbounded)

Relationships

1.41 WeightingStrategy

Properties

1. xxxx (0 - Unbounded)

Relationships

1.42 RespondentPool

An identification of the individuals who will act as respondents to study the identified population. Would have a reference to an instrument.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.43 Question

Properties

1. xxxx (0 - Unbounded)

Relationships

1.44 Instrument

Properties

1. xxxx (0 - Unbounded)

Relationships

1.45 Questionnaire

Properties

1. xxxx (0 - Unbounded)

Relationships

1.46 Category

Properties

1. xxxx (0 - Unbounded)

Relationships

1.47 Codelist

Properties

1. xxxx (0 - Unbounded)

Relationships

1.48 InstrumentFlow

Properties

1. xxxx (0 - Unbounded)

Relationships

1.49 ValidationRule

Rules for conducting the questionnaire, and checks made during administration of the questionnaire.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.50 InstrumentAssessment

Includes all the possible ways of assessing the goodness of an Instrument - prior use, modifications to questions or addition of administrative sources, etc.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.51 DerivedVariables

Groups RepresentedVariables which are created through computation.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.52 Derivation

Take from 3.2 - associated with each derived variable.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.53 TextCoding

Query: Is this just a type of derivation?

Properties

1. xxxx (0 - Unbounded)

Relationships

1.54 ProcessingMethod

Properties

1. xxxx (0 - Unbounded)

Relationships

1.55 ValidationTransformationRule

The rules for data cleaning and processing/editing.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.56 DataManipulationProcess

This is whatever set of process steps are used to transform the raw data into the data set used for analysis.

Properties

1. xxxx (0 - Unbounded)

Relationships

1.57 AnalysisPlan

Properties

Relationships

1. AnalysisMethod (0 - Unbounded)

1.58 TrainingPlan

Properties

Relationships

1. TrainingRequirements (0 - Unbounded)

1.59 StaffingPlan

Properties

Relationships

1. StaffingRequirements (0 - Unbounded)

1.60 FacilityRequirements

Includes requirements like computing infrastructure

Properties

1. (0 - Unbounded)

Relationships

1.61 EthicalRequirements

Properties

1. ApplicableRegulation (0 - Unbounded)

Relationships

1.62 EthicalConductPlan

Describes the process for meeting ethics requirements

Properties

1. (0 - Unbounded)

Relationships

1.63 Project

Properties

1. Name (1 - 1)
2. Purpose (1 - 1)

Relationships

1.64 Budget

The project budget.

Properties

1. (0 - Unbounded)

Relationships

1.65 Duration

Overall project duration.

Properties

1. (0 - Unbounded)

Relationships

1.66 LeadOrganization

Properties

1. (0 - Unbounded)

Relationships

1.67 PartnerOrganization

Properties

1. (0 - Unbounded)

Relationships

1.68 ResearchInstitutionRequirements

Properties

1. (0 - Unbounded)

Relationships

1.69 Policy

Properties

1. (0 - Unbounded)

Relationships

1.70 PlanCreationDate

The creation date of a data management plan. This may just be a property of other objects.

Properties

1. (0 - Unbounded)

Relationships

1.71 TargetAudience

The target audience for a DMP.

Properties

1. (0 - Unbounded)

Relationships

1.72 CollectionRationale

Why do you need to collect new data.

Properties

1. (0 - Unbounded)

Relationships

1.73 DataFormatRationale

Properties

1. (0 - Unbounded)

Relationships

1.74 QualityAssuranceCriteria

Properties

1. (0 - Unbounded)

Relationships

1.75 QualityManagementPlan

Properties

1. (0 - Unbounded)

Relationships

1.76 RelationToExistingData

Existing comparable/harmonized data sets - includes description of methodology.

Properties

1. (0 - Unbounded)

Relationships

1.77 DataIntegrationPlan

How new data be integrated with existing data.

Properties

1. (0 - Unbounded)

Relationships

1.78 ValueAddedRationale

How new data will enhance the overall research picture beyond existing data (coverage, detail, etc.)

Properties

1. (0 - Unbounded)

Relationships

1.79 NeededContext

Describes needed documentation of the research context.

Properties

1. (0 - Unbounded)

Relationships

1.80 MetadataCaptureMethod

Properties

1. (0 - Unbounded)

Relationships

1.81 MetadataForm

Standard or format of metadata.

Properties

1. (0 - Unbounded)

Relationships

1.82 MetadataFormRationale

Excuses why you didn't document squat.

Properties

1. (0 - Unbounded)

Relationships

1.83 IntellectualPropertyRights

Properties

1. (0 - Unbounded)

Relationships

1. RightsOwner (0 - Unbounded)

1.84 LicensingPlan

The plan for licensing data for use - can include details about release timing, etc. (May use existing embargo object from 3.2).

Properties

1. (0 - Unbounded)

Relationships

1.85 DisputeResolutionProcess

For multi-partner research.

Properties

1. (0 - Unbounded)

Relationships

1.86 AccessProcessPlan

Properties

1. Cost (0 - 1)

Relationships

1.87 AccessControlRationale

Properties

1. (0 - Unbounded)

Relationships

1.88 TargetDataUsers

Properties

1. (0 - Unbounded)

Relationships

1.89 DataReuseExpectation

What are the expectations for data reuse as regards new technology, metadata, formats, etc.

Properties

1. (0 - Unbounded)

Relationships

1.90 ShortTermStoragePlan

Includes data transfer.

Properties

1. StorageLocation (0 - Unbounded)

Relationships

1.91 LongTermStoragePlan

Includes data transfer

Properties

1. StorageLocation (0 - Unbounded)

Relationships

1.92 DataBackupPlan

Properties

1. (0 - Unbounded)

Relationships

1.93 AccessControlPlan

Timeline property may need to be its own object.

Properties

1. Timeline (0 - Unbounded)

Relationships

1. SecurityIssues (0 - Unbounded)

1.94 SecurityIssues

Properties

1. (0 - Unbounded)

Relationships

1.95 DataCurationPlan

Plan for data curation, archiving, and preservation. Includes a description of what data will be preserved.

Properties

1. IntendedArchive (0 - Unbounded)

Relationships

1. RelevantStandard (0 - Unbounded)

1.96 DataLifeExpectancy

How long after the end of the project will the data be available and relevant, and details about data disposal.

Properties

1. (0 - Unbounded)

Relationships

1.97 DataCurationProcess

Points to a process. Includes details about data cleaning and anonymization.

Properties

1. (0 - Unbounded)

Relationships

1.98 PreservationMetadataPlan

How will data be documented for long-term use.

Properties

1. (0 - Unbounded)

Relationships

1.99 MetadataCapturePlan

How and who will metadata/documentation be captured?

Properties

1. (0 - Unbounded)

Relationships

1.100 CitationMethod

DOIs? Etc.

Properties

1. (0 - Unbounded)

Relationships

1.101 LongTermMaintainer

Properties

1. (0 - Unbounded)

Relationships

1.102 MaintenanceResponsibilityTransferProcess

Properties

1. (0 - Unbounded)

Relationships

1.103 DMPImplementation

Staff and organization for implementing the data management plan.

Properties

1. (0 - Unbounded)

Relationships

1.104 LongTermBudget

What is budget for long-term data management.

Properties

1. (0 - Unbounded)

Relationships

1.105 DMPEnforcementPlan

Includes information about reviews, etc.

Properties

1. (0 - Unbounded)

Relationships