

Mapping from iSamples core 1.0 sample description schema to IGSN element schema.

iSamplesSchemaCore1.0	iSamples notes	IGSN Element	Definition
-- affiliation identifier	organization in an affiliation does not have an identifier in iSamples, could put in affiliation.	registrant/ affiliation/identifier	has identifier type
-- geometry spatial reference system	Not applicable, iSamples requires WGS84	geometry/sridType	controlled vocabulary; only value is '4326', apparently requiring use of WGS84?
-- location URI	An identifier for the geographical locality where the material sample was collected.	toponym/identifier	
-- metadata update date	Update date not currently included	logElement [event = updated] @timeStamp	
-- name identifier scheme name	no iSamples property.	collector/identifier/ identifierType	
-- publication year	Time stamp for when the sample registration information is made public through the identifier authority; not currently included in iSamples metadata, use year of sample registration; If an embargo period has been in effect, use the date when the embargo period ends.	logElement [eventtype = registered] @timeStamp	Log of events relevant to the object. Events have eventType, timeStamp and comments. eventType in {submitted, registered, updated, deprecated, destroyed}
-- related identifier type	no iSamples equivalent. Default to PURL, unless you can determine its one of the others in the DataCite vocabulary.	relatedIdentifierType	Has relatedIdentifierType in {doi, handle, lsid, url, urn, igsn}
alternate_identifiers/ identifier		alternatIdentifier	
alternate_identifiers/ scheme_name		alternatIdentifier/ identifierType	
curation/ access_constraints	cultural, legal or other policy issues that bear on access to view, borrow, or subsample a sample (Curation)	sampleAccess	
description	free text description of the physical sample, and any related information. Include as much detail as will be useful for users to find the sample and understand its context.	description	Free text, anything else that might be useful to know about the sample at its 'birth'.
has_material_sample_object_type / label	repeat label and uri, from iSamples Material Sample Object Type vocabulary.	alternateResourceType	map to iSamples vocabulary
keywords/keyword	An identifier for the nomenclatural (not taxonomic) details of a scientific name.	alternateResourceType   alternateMaterial	include verbatim as keywords; map resourceType and material to iSamples vocabulary if possible.

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keywords/keyword [scheme_name= IGSN_description]		resourceType, material	controlled vocabulary {feature, sample, collection} and {uses ODM2 medium vocabulary}
label	a human intelligible string used to identify the sample; i.e. the name to use for the sample; should be unique in the scope of a sample collection. This will typically be a sample identifier or label assigned by the original collector	name	Text string for people to understand what is identified. What would typically be presented in a user interface.
produced_by/ SamplingEvent/ responsibility	the responsibility is an agent-- could be person or organization, with role = 'collector'. Other agents associated with the sampling event could be included, e.g. with roles like 'sponsor', 'funder'....	collector	Who collected the sample. has identifier, identifierType, name, affiliation that map to iSamples Agent
produced_by/ SamplingEvent/ responsibility [role=collector]/ affiliation	only one affiliation associated with person in this role.	collector/affiliation/ name & affiliation/identifier	has affiliation identifier
produced_by/ SamplingEvent/ responsibility [role=collector]/ identifier	only one identifier associated with person in this role. iSamples identifier value is a string.	collector/identifier	
produced_by/ SamplingEvent/ responsibility [role=collector]/name	string, name of a person. Format: {firstName MI lastName}.	collector/name	
produced_by/ SamplingEvent/ responsibility/identifier		contributor/identifier	
produced_by/ SamplingEvent/ responsibility/name		contributor/name	
produced_by/ SamplingEvent/ responsibility/role		contributor/ contributorType	Controlled Vocabulary
produced_by/ SamplingEvent/ responsibility[roles other than 'collector', 'funder'],	Agents associated with sampling event, agent/role is subclass of 'contributor'. Need mapping from iSample roles to DataCite contributorType	contributors	
produced_by/ SamplingEvent/ sampling_site/ place_name	iSamples can have multiple values.	toponym/name	

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produced_by/ SamplingEvent/ sampling_site/ sample_location or place_name	for DCAT, use whichever is there	geoLocations	Where was the sample acquired relative to the Earth (or another celestial body...). Some samples might be 'non-geographic': mineral specimen, synthetic material. geometry types allowed: {LineString, MultiLineString, point, multipoint, polygon, multipolygon}. Allows different spatial reference systems
produced_by/ SamplingEvent/description		collectionMethod   alternateCollectionMethod	collectionMethod has controlled vocabulary, looks similar to SESAR
produced_by/ SamplingEvent/result_time	Date on which the sample was collected.	collectionTime	When was the sample collected. instant or interval.
produced_by/label && produced_by/ description && produced_by/ authorized_by	concatenate iSamples SamplingEvent label and description; include information in 'authorized_by'	collectionMethod	Term to categorize the process through which the sample was acquired as an independent object.
registrant [role=registrant]/name/	identification of the agent that registered the sample, with contact information. Role = 'registrant'	registrant/ registrantName	allocating agent. appears in Registration and description, but labels are slightly different.
registrant/affiliation		registrant/ affiliation	
registrant/identifier		registrant/ nameIdentifier	name identifier has scheme in {ORCID, ISNI, VIAF, researcherID}
related_resource [relationship= 'hasOtherMetadata']		supplementalMetadata/ record	
related_resource/ relationship	nature of relationship between sample and resource that is the target of the relationship. See vocabulary in development: <a href="https://docs.google.com/spreadsheets/d/1yk3ZEWzEc1cXBOWb-foCtq3isaBBa95Rv8eA6TlyieM">https://docs.google.com/spreadsheets/d/1yk3ZEWzEc1cXBOWb-foCtq3isaBBa95Rv8eA6TlyieM</a>	relatedResourceIdentifier @relationType (relatedIdentifier/ relationType in Description schema)	controlled vocabulary
related_resource/target	identifier for the target resource in the relationship. Should be a resolvable URI.	relatedResourceIdentifier (relatedIdentifier in Description schema)	Identifiers of related resources. Has relatedIdentifierType in {doi, handle, lsid, url, urn, igsn}
sample_identifier	unique identifier for the physical object, ideally a URI that is physically attached to the material sample object, an IGSN or ARK	sampleNumber	The Identifier is a unique string that identifies a resource. At present, the only allowed value is an IGSN handle.