

umelInforMEA Document schema

Version 1.2

Version	Date	Author	Notes
1.0	16 Sep 15	BRS - JH	Initial version
1.1	24 Apr 17	CR, EdW	Add the 'treaties' property
1.2	5 May 17	CR, EdW	Changed 'titles' and 'descriptions' to 'title' and 'description'
1.3	21 Mar 18	CR, EdW	Add "scope" field to the DocumentType
	30 Sep 20	CR, EdW	- add canonical URL - clarify authors, identifiers are lists

Suggestions:

1. Change Complex Type to List, and document the type in description

Conventions

Lstring - Localizable string

Complex Type - an object with attached fields

Field	Data Type	Mandatory	Description
schemaVersion	Integer	Yes	Used to store the schema version
id	String	Yes	Unique key used to identify a record in the MEA system.
published	DateTime	Yes	Stores the UTC date when the record was published.
updated	DateTime	Yes	Stores the most recent UTC date when the record was updated.
treaty	String	No	Use one of the predefined values from the Treaty enumeration below (deprecated in favor of treaties?)
treaties	List	Yes	A list of values from the predefined of the Treaty enumeration below. One document can have several treaties.
types	Complex type	Yes	List of DocumentType complex types. Type(s) of document (i.e. Working Document, Information Document, Meeting report, Meeting Agenda, Decision, Publication, Submission, Communication, Guidance etc.)
authors	List	No	List of Author complex type. These might be person(s), organization(s) or country who created, or who own, this record (should be a complex type allowing also to capture the country code when a document is submitted by an official contact point)
keywords	List	No	List of related Keyword complex type from the InforMEA LEO thesaurus.
title	Complex type	Yes	Title of the document.
description	Complex type	No	Description, abstract or executive summary of the document.
identifiers	List	No	List of Identifier complex type to specify the document identifier type and code (like DOI, ISBN, ISSN, UN-number etc.)

copyright	Complex type	No	Text of a copyright or credits
files	Complex Type	Yes	List of File complex type represents a set of document information such as the document URL, mime type or size.
thumbnailUrl	String	No	URL of the cover image
tags	Complex type	No	Tag complex type. Related chemicals identifiers
country	String	No	ISO code (2 or 3 digits) of the country who submitted the document
referenceToEntities	Complex type	No	Referenced Entity complex type to store references to existing entities such as meetings, contacts or others.
displayOrder	Integer	No	Order in which to display the document within a list, keeping in mind that the context may not always be the same.
goals	Complex Type	No	List of Goal complex type containing different types of environment goals (i.e. Aichi, SDG) the document relates to.
url	String		Record's canonical URL

Complex Types & Enumerations

Some of the properties described above have predefined values, which are taken from the enumerations below. Some enumerations support NULL values and if the existing values do not apply to you, or you have additional values, you have two options:

- put NULL and live with it - sometimes may be wrong to not specify one of possible values and harvester validates the data.
- raise this issue to InforMEA team and we will make all the necessary adjustments to consider these new additions

a. Treaty enumeration

Important! The list below is just a sample, for an up to date list, view the [InforMEA OData specification API](#).

Possible values:

Value	Description
aewa	AEWA
basel	Basel Convention
cartagena	Cartagena Protocol
cbd	Convention on Biological Diversity
cites	CITES
cms	CMS
kyoto	Kyoto Protocol
montreal	Montreal Protocol
nagoya	Nagoya Protocol
plant-treaty	Plant Treaty
ramsar	Ramsar Convention
rotterdam	Rotterdam Convention
stockholm	Stockholm Convention
unccd	UNCCD
unfccc	UNFCCC
vienna	Vienna Convention
whc	WHC

b. DocumentType complex type

Field	Data Type	Mandatory	Usage
id	String	Yes	Unique key used to identify a record in the MEA system.
scope	String	Yes	Identifier of the thesaurus from which the term is extracted taken from an enumeration (leo, unfccc, cbd, brs etc.)
value	String	Yes	One of the values taken from the enumeration below

Recommendation: We should use values defined in The United Nation Document Ontology, for describing relations that are defined within the content of [UN documents](#) (with particular regard to UN resolutions)

Note on content

The MEAs agreed upon a limited set of broad categories of document types, and a mapping between their own internal category naming and this broad categories. This mapping would be kept primarily at the InforMEA level and terms processed during import (mapped). But the MEAs are free to keep the mappings at the MEA level providing they have a value on this, and add to the list the actual InforMEA agreed broad document types. The up-to-date document with these mappings and the list of broad categories can be found on the support system, at:

<https://support.informea.org/issues/38#note-30>

c. Author complex type

Field	Data Type	Mandatory	Usage
id	String	Yes	Unique key used to identify a record in the MEA system
type	String	Yes	One of the values taken from the enumeration below. Set to NULL if unknown
value	String	Yes	First Name and Last Name of the author, or name of the organization

Possible values of author type values

Value	Purpose
person	To be used when the author is a person
organization	To be used when the author is an organization

d. Keyword complex type

Field	Data Type	Mandatory	Usage
id	String	Yes	Unique key used to identify a record in the MEA system.
termURI	String	Yes	URI of the term corresponding to a source such as http://www.informea.org/terms/toxicity
scope	String	Yes	Identifier of the thesaurus from which the term is extracted taken from an enumeration (leo, unfccc, cbd, brs etc.)
literalForm	String	No	Value of the english preferred term. This could be used to do reverse lookups against different thesuri.
sourceURL	String	No*	Source where the term can be found.

e. Identifier complex type

Field	Data Type	Mandatory	Usage
Id	String	Yes	Unique key used to identify a record in the MEA system.
name	String	Yes	Name of the identifier taken from an enumeration

			(DIY, UN-Number, ISBN, ISSN, MEA code...)
value	String	Yes	Value of the identifier

f. Tag complex type

Field	Data Type	Mandatory	Usage
id	String	Yes	Unique key used to identify a record in the MEA system.
language	String	Yes	ISO code of the language used for this tag
scope	String	Yes	Value taken from an enumeration to indicate the type of tag used (chemical preferred name, CAS number, specie name etc.)
value	String	Yes	Tag value
comment	String	No	Any additional information that may need to understand the tag

g. Referenced Entity complex type

Field	Data Type	Mandatory	Usage
id	String	Yes	Unique key used to identify a record in the MEA system.
documentId	String	Yes	Identifier for the document entity
type	String	Yes	Type of the related entity: <ul style="list-style-type: none"> • Documents • Contacts • Decisions • NationalPlans • CountryReports • Meetings • Sites. These are the type of OData entities imported.

refId	String	Yes	Id of the related entity
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h. Goal complex type

Field	Data Type	Mandatory	Usage
id	String	Yes	Unique record identifier
source	String	Yes	Goals source: <ul style="list-style-type: none"> • aichi • sdg • ieg • geg
type	String	Yes	Type of goal: <ul style="list-style-type: none"> • goal • target • indicator
identifier	String	Yes	Goal identifier value. Such examples are: "20", "20.1", "15.7.1" etc.