

Discussion 2: Base standard/schema to use for a metadata application profile

ELIZABETHNEWBOLD APR 08, 2021 04:48PM

"Base standard/schema?"

An existing community-endorsed and maintained schema, comprising terms uniquely identified in a namespace

Which schema is your project using (if any)?

IEEE Learning Object Model (ENVRI-FAIR profile) – ANONYMOUS

Not using one right now, but planning to use schema.org with the additional properties for learning resources provided by LRMI and DC Terms when applicable. – ANONYMOUS

working towards bioschemas impementation – ANONYMOUS

We use Schema.org and Bioschemas.org in FAIRsharing.org (lots of orgs in there :)) in response to demands from our user base. – ANONYMOUS

self-built schema for EOSC-Pillar. – ANONYMOUS

in SSHOC not any for the training toolkit, but I am not sure about the SSH marketplace – ANONYMOUS

There might be elements of DCAT as well as properties relate to the catalog per se. This is all for the DMTC. – ANONYMOUS

What do we mean by an application profile?

""schemas which consist of data elements drawn from one or more namespaces, combined together by implementors, and optimised for a particular local applicaton" (Heery and Patel, 2000)

Application Profiles: Mixing and Matching Metadata Schemas

This paper introduces application profiles as a type of metadata schema. We use application profiles as a way of making sense of the differing relationship that implementors and namespace managers have towards metadata schema, and the different ways they use and develop schema.

ARIADNE



application profile represent a sound approach if you are willing to use and combine fields from many metadata profiles / schemas ... the point is whether one schema will be sufficient – ANONYMOUS

What options to consider?

Datacite?

Dublin core?

Schema.org?

DCAT-2?

Bioschemas.org ? (life science but applicable to other domains too) – ANONYMOUS

Schema.org would cover a lot of MD schemas that use it including bioschemas, LRMI, and others? – ANONYMOUS

While the DataCite kernel scheme is quite useful, it can be a challenge to try to fit/map "application-specific" information into the fields that DataCite covers, especially if a controlled vocabulary is required. Having said that, it is a very popular choice, and some stakeholders may feel it is more prestigious to follow DataCite than basic Dublin Core and/or community standards. – ANONYMOUS

I think it's important we use an entity based schema (RDF) rather than hierarchical (like LOM). This will be more flexible and interoperability. Use of an RDA schema should be part of the RoP. The FAIRsFAIR report highlights this issue. – ANONYMOUS

What issues do we (EOSC projects) need to consider?

How important is it to represent the profile in RDF e.g. for sustainability?

Inclusiveness- use standards adopted by providers of training/learning resources?

Feasibility - how does choice constrain the tools used to construct the profile?

+1 for using standards (vocabs/ontologies) – ANONYMOUS

+1 Anonymous about the use of standards. – ANONYMOUS

+1 for standards. Increases FAIRness ;) – ANONYMOUS

Domain specificity? – ANONYMOUS

+1 for standards (vocabs/ontologies) – ANONYMOUS

I think it is especially important for sustainability – ANONYMOUS

+1 for standards – ANONYMOUS

+1 for using RDF for sustainability and portability to other representations such as JSON LD and JSON Schema. – ANONYMOUS

At SSHOC we find that using cross domain standard controlled vocabs (long lists ! and to general) do not help a trainer or provider when adding materials – ANONYMOUS

+1 for machine-interpretable standards, allowing e.g. easy linking into graphs (like the PID graph) also for learning resources! – ANONYMOUS

Using a controlled vocabulary should be a minimal requirement. – ANONYMOUS

Agree with RDF approach – ANONYMOUS

With regards to the discussion of crosswalks and determining where different standards might overlap, it might be of interest to look at information such as <https://fairsharing.org/collection/CrosswalkOfMostUsedMetadataSchemesAndGuidelines> , which lists the most commonly used metadata schemes and guidelines for description of digital objects in open science. There is a link there to the document in Zenodo for further info.. – ANONYMOUS
