

23rd Plenary Meeting Collaborative Notes

Group(s) name(s) organising the session: [Harmonised terminologies and schemas for FAIR data in materials science and related domains WG](#)

Session link: [Updates and community feedback for HarmonisedMatChem WG](#)

Session scheduled date/time/breakout session: Thursday, 14 November, Breakout 7, 12:30 – 14:00 CST

Venue: Edificio de Ingeniería, Audiovisuales 1

Session summary (for Group co-chairs)

We will use the content in the table below to highlight your work to the RDA community as a report organised by the Technical Advisory Board and to a wider audience through English & Spanish social media mentions.

Please complete ALL fields below by **Friday, 29th November, close of business** to be included in the report & social media activities.

Summarise the session in three sentences:
<i>The session presented the goals of the group and summarized progress to date on the recommendation documents. The document outline developed by the group was validated and augmented by session participants. The working group will now focus on writing within the consensus-based outline and kickoff the next stream of activities aimed at vocabulary mapping and extending schema.org for the materials and chemistry community following the paradigm of Bioschemas.</i>
Key outcomes/actions/takeaways
1. Consensus has been reached on the recommendation document outlines and writing will commence. 2. Consensus has been reached on developing an extension to schema.org for materials and chemistry. 3. The HarmonisedMatChem WG will work closely with the FAIR Mappings WG going forward.
Synergies and/or possible collaborations identified with RDA groups and other groups:
FAIR Mappings WG
Highlight text that will be used in social media mentions (please make sure the text is clear and appropriate for public consumption & comprehension)
Direct link to Group home page
https://www.rd-alliance.org/groups/harmonised-terminologies-and-schemas-fair-data-materials-science-and-related-domains-wg/activity/

Get involved in [RDA Community](#)
 Check out [P23 programme sessions](#)

This meeting will take place according to the [RDA Code of Conduct](#)

Attendee Check-in

Please complete this table to indicate your attendance (add rows as needed):

Full Name	Affiliation	Location	Email
Zachary Trautt	National Institute of Standards and Technology	USA	zachary.trautt@nist.gov
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Collaborative Session Notes *(To be used by participants and chairs during the session)*

Presentations:

Session Agenda

- Welcome & Sign in
- Presentation of group progress on recommendation documents
 - Overview of WG streams
 - [Stream A](#) work to date
 - [Stream B](#) work to date
- Community input & Discussion
- Harmonised Terminologies & Schemas
 - Examples from other communities
 - FAIR Mappings WG presentation
- Future outlook and next immediate steps

Stream A needs:

Using indicators that we reviewed and apply them to existing semantic artefacts in Materials Science and related domains. We have an initial collection that we can start with.

Stream B:

Question about scope of Stream B in terms of creating/determining all respective semantic assets.

Stream B is more about putting the use of semantic assets to the test of a data life cycle.

Audience recommended a Community survey (data stewards), to find out what people are already doing.

FAIR Implementation Protocols will be useful.

Acquire: referential metadata!

Community aspect: should be contacted and asked what they need – there still should be a set of recommendation – community survey for needs but share the recommendations afterwards. There needs to be a set of standards that they follow.

Stream C:

Schema.org extension

- Would be useful as an minimum metadata to point people to

Lightning talk: FAIR Mappings WG

Mapping: semantic gitlab, please

Community needs a lot of mappings

MatVoc is a great effort in mapping for materials: https://matvoc.nims.go.jp/wiki/Main_Page