Getting Learning Resources to Learners using LRMI Metadata

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Why Metadata? To Enable an “Amazon for Learning”

<table>
<thead>
<tr>
<th>Product Market</th>
<th>Learning Market</th>
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<tbody>
<tr>
<td><strong>Products</strong> are described and have relationships to each other, and to interests of the buyer</td>
<td><strong>Learning Resources</strong> can be described, relate to each other, and to the abilities of the learner</td>
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<tr>
<td><strong>Connects</strong> the buyer to entries to allow them to make decisions on logistics</td>
<td><strong>Connects</strong> the learner to entries to allow them to make decisions on logistics</td>
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<tr>
<td><strong>Discover</strong> complimentary or necessary products</td>
<td><strong>Discover</strong> tangential learning related to opportunities (job)</td>
</tr>
<tr>
<td><strong>Physical</strong> product dimensions (height, weight, length)</td>
<td><strong>Mental</strong> resource dimensions (knowledge, skill, abilities)</td>
</tr>
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Real Products that Use Learning Resource Metadata
United States Department of Defense

Summary

- Not all learning activities are Courses
- But the DoD has a ton of them!
- This capability wrangles them for sharing both the Resources and Opportunities
- Sharing reduces cost and connects learners to learning opportunities faster
- Categorization and linking to competencies allow the learner’s search results to be more relevant
MatchMaker employs the LRMI for industry standard learning resource metadata. MatchMaker’s super power is to conceptually match learning elements. Employing the LRMI lets us focus on our core competency. LRMI’s openness doesn’t constrain our business model. Because the LRMI is baked into P2881 we can extend the metadata we use.
Metadata in the Learning Engineering Process

- Metadata creation previously was thought of as an **implementation** detail but it really should be within **investigation**
- Rationale: the who/what/why should be known long **before creation**
- End state: Metadata **always exists** in the semantic web, it just connects **new resources**
- Metadata creation should be a **shared** activity, not just by **roles**, but also **AI**
- **Generative AI** can write contract proposals from organization documents, gain **human approval**, then **populate** metadata properties from models
We Can Help! (The LRMI Working Group, That Is)

**Grow Your Idea**

- **Provide** your use case
- We will help with the **value proposition**
  - and **Explore** tangent use cases and known partners
- **Report** your use of the LRMI
  - https://tinyurl.com/42yuw9rz
- **Collaborate** on implementation details using our **expertise** in the available standards / vocabulary
- **Sign up** - Text LRMI, Name, and email to 360-223-2453
- **FREE**

**Share Your Idea**

- **Present** your tool that uses metadata to achieve a learning-based outcome
- **Discuss** the vocabulary used and any use or potential use of standards
- **Receive feedback** from those with a vested interest in your success
- **Join** the LMRI Monthly call by emailing andy.johnson.ctr@adlnet.gov or michael@matchmakeredlabs.net
- **FREE**