Open hardware
Ontologies
Metadata

Emilio Velis
CC El Salvador / OSHWA El Salvador
The (original) problem

How to identify open works in general
Initial questions

• How can we find open Works not in silos repositories?

• How can we search and attribute Works more effectively?

• How can we create works offline?
Introducing Open Access at The Met

February 7, 2017

Loic Tallon, Chief Digital Officer

As of today, all images of public-domain works in The Met collection are available under Creative Commons Zero (CC0). So whether you’re an artist or a designer, an educator or a student, a professional or a hobbyist, you now have more than 375,000 images of artworks from our collection to use, share, and remix—without restriction. This policy change to Open Access is an exciting milestone in The Met’s digital evolution, and a strong statement about increasing access to the collection and how to best fulfill the Museum’s mission in a digital age.
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<th><strong>Publisher:</strong></th>
<th>Issued by Allen &amp; Ginter (American, Richmond, Virginia)</th>
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<tr>
<td><strong>Lithographer:</strong></td>
<td>Lithography by Lindner, Eddy &amp; Claus (American, New York)</td>
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<tr>
<td><strong>Date:</strong></td>
<td>1890</td>
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<tr>
<td><strong>Medium:</strong></td>
<td>Commercial color lithograph</td>
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<td><strong>Dimensions:</strong></td>
<td>Sheet: 2 7/8 x 3 1/4 in. (7.3 x 8.3 cm)</td>
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<td><strong>Classifications:</strong></td>
<td>Prints, Ephemera</td>
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<td><strong>Credit Line:</strong></td>
<td>The Jefferson R. Burdick Collection, Gift of Jefferson R. Burdick</td>
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<td><strong>Accession Number:</strong></td>
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Hardware is a one-of-a-kind problem.
The line for separating “unique” works gets blurry

- Individual physical works
- Work editions
- Different formats
Working on this

- OSHWA (Certification)
- OSE Germany (DIN Spec 3105)
- Makernet Alliance (Open Know-How)
Proposal: Metadata Standard
Why?

• Decentralization of open repositories

• Works can be found and catalogued

• Documentation can start offline for makers
Definitions

Conceptual
• The problem that it solves
• What domain it is intended for
• Target audience

Operational
• Sum of its parts
• Type of solution
• How it functions
• Type of interface
• Fabrication requirements
Exercise: sorting metadata

1. Check open hardware repositories
   • https://github.com/nasa-jpl/open-source-rover
   • https://github.com/Protocentral/ADS1292rShield_Breakout

2. Find out which fields of my metadata wishlist can be found in the README file. Add more if you think they are important.

3. Sort the cards in three categories:
   • Group 1 (Important): Choose 8
   • Group 2: (Not important) Choose 8
   • Group 3: The rest (9+).