Linking Across the Getty
Reconciling the Getty Provenance Index and the Getty Vocabularies

Melissa Gill
Jonathan Ward
Getty Research Institute
2018 ARLIS/NA
Getty Provenance Index Remodel Project
### GPI Knoedler stock books database

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PI Record No.</td>
<td>K-11357</td>
</tr>
<tr>
<td>Stock Book</td>
<td>Knoedler Book 5, Stock No. 11169, Page 132, Row 54</td>
</tr>
<tr>
<td>Artist Name(s)</td>
<td>COROT, JEAN BAPTISTE CAMILLE (French) from stock book: Corot</td>
</tr>
<tr>
<td>Title</td>
<td>Le Lac</td>
</tr>
<tr>
<td>Description</td>
<td>Alex Young Collection</td>
</tr>
<tr>
<td>Subject</td>
<td>Landscape</td>
</tr>
<tr>
<td>Object Type</td>
<td>Painting</td>
</tr>
<tr>
<td>Material / Dimensions</td>
<td>62 1/2 x 52 1/2</td>
</tr>
<tr>
<td>Transaction</td>
<td>Sold</td>
</tr>
<tr>
<td>Entry Date</td>
<td>1906/08/01</td>
</tr>
<tr>
<td>Sale Date</td>
<td>1906/09/29</td>
</tr>
<tr>
<td>Sale Price</td>
<td>125000 dollars</td>
</tr>
<tr>
<td>Buyer</td>
<td>Frick, Henry Clay (640 Fifth Ave., New York, NY, USA) from stock book: H.C. Frick (Pittsburgh)</td>
</tr>
<tr>
<td>Previous Owner</td>
<td>from stock book: Alex Young</td>
</tr>
<tr>
<td>Present Location</td>
<td>New York, NY, USA. The Frick Collection, 1906.1.25</td>
</tr>
<tr>
<td>Notes</td>
<td>[buyer location info from Sales Book 8, 1900-1907, f.352]</td>
</tr>
</tbody>
</table>

### GPI artist authority database

<table>
<thead>
<tr>
<th>Record: 1565</th>
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</thead>
<tbody>
<tr>
<td>Artist Authority</td>
</tr>
<tr>
<td>Brief Name</td>
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<tr>
<td>Birth Date</td>
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<tr>
<td>Death Date</td>
</tr>
<tr>
<td>Period Active</td>
</tr>
<tr>
<td>Century Active</td>
</tr>
<tr>
<td>Nationality</td>
</tr>
<tr>
<td>Subject Painted</td>
</tr>
<tr>
<td>Source of Name</td>
</tr>
<tr>
<td>Medal Received</td>
</tr>
<tr>
<td>Medal Received</td>
</tr>
<tr>
<td>Medal Received</td>
</tr>
<tr>
<td>Variant Name</td>
</tr>
<tr>
<td>Variant Name</td>
</tr>
<tr>
<td>Variant Name</td>
</tr>
</tbody>
</table>
Union List of Artist Names (ULAN)
- Artists
- Buyers and Sellers

Thesaurus of Geographic Names (TGN)
- Locations for buyers and sellers
  (City, State, Country)
- Known locations for objects

Art & Architecture Thesaurus
- Object types
- Subjects and genre terms
- Currencies
- Units of measurement
- Attribution modifiers
Reconciliation
Things, not strings!

“Peter Paul Rubens”

<http://vocab.getty.edu/ulan/500002921>

Pietro Paulo Rubens

P. P. Rubbens

بيتر بول روبنس

Petrus Paulus Rubens

ピーテル・パウル・ルーベンス
Why not just publish a local authority?
shared entities

 Getty Provenance Index

 Getty Vocabularies
<table>
<thead>
<tr>
<th>Prev ID</th>
<th>ULANID</th>
<th>Name</th>
<th>Nationality</th>
<th>Date</th>
<th>Country</th>
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</thead>
<tbody>
<tr>
<td>a1</td>
<td>500000937</td>
<td>8/10/2018</td>
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<td></td>
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<tr>
<td>a2</td>
<td>500002875</td>
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<tr>
<td>a3</td>
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<td>a4</td>
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<td>a5</td>
<td>500016473</td>
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<td></td>
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</tbody>
</table>

ULAN/GPI authority record
ID concordance list

GPI artists authority dataset
Knoedler Stock Books dataset
Implementation of the Getty Vocabularies Across Getty Systems

• “Linked Art” model – unified semantic architecture for all Getty data sets
• New services for discovery and reconciliation
• CIDOC-CRM ontology (and then some)
• ULAN ontology may change
• New applications for developers underway
29,538 Provenance Artists

Semantic View (JSON, JSONLD, RDF, N3/Turtle, N-Triples)
ID: 500061009

Carelli, Raffaele (Italian painter, 1795-1864)

Note: Comment on works: History; Decorative; master draughtsman

16,130 Provenance “Owners”

Semantic View (JSON, JSONLD, RDF, N3/Turtle, N-Triples)
ID: 500360294

Amory, Charles (American financier, 1808-1898)

Names:
Amory, Charles (preferred,U,index)
Charles Amory (U,display)
• Merge records that match existing ULAN records.
• Confirm data merged properly; review records.
• Adjust criteria for merging with software engineer.
• Extensive “de-duping” checks based on name.
“Composite” records

Semantic View (JSON, JSONLD, RDF, N3/Turtle, N-Triples)
ID: 500449046

Caspari Galerie (German owner, fl. -1926)

Names:
- Caspari Galerie (preferred,U,display)
- guy caspari (LU,U)
Reynolds, Joshua (English painter, collector, 1723-1792)

Names:
Reynolds, Joshua (preferred, V, index, LC)
Joshua Reynolds (V, display)
Reynolds, Sir Joshua (V)
Sir Joshua Reynolds (V)
Sir Joshua Raynolds (V)
Sir Joshua Reynold (V)
Reynolds, Sir (V)
Reynolds, Joshua, Sir (U)
Joshua Reynolds Sir (U)
Reynolds, J., Sir (U)
jos. reynolds (LU, U)
josuah reynolds (LU, U)
J. Reynolds (LU, U)
J. Reynold's (LU, U)
Mr. Reynolds (LU, U)
Reynolds (LU, U)
reynolds, j. (LU, U)
reynolds j. sir (LU, U)
reynolds, sir j. (LU, U)
reynolds sir j. (LU, U)
1. A. (German owner)
2. A. (Owner)
3. A. (Owner)
4. A. (Owner)
5. A. (Owner)
6. Aacher (Owner)
7. Aalen, V. (unknown artist)
8. Aalst, C.J.K. van, Dr. (Dutch owner, fl. 1917-1953)
9. Aalst, N.J. van (Dutch owner, fl. 1950s-1960s)
10. Aalst, van (Unknown artist, Sale at Dordrecht, 1 November 1802)
11. Aaron (British owner)
12. Aaron, et Cie. (French owner, fl. 1960s-1980s)
13. Aav (artist, active 20th century)
14. Aa, van der (Owner)
15. A. Bacon (Unknown artist)
16. Abady, Sheila (artist)
17. Abanico (artist, active 20th century)
18. A.B. Antik Kompaniet (Owner, fl. 1912-1917)
19. Abar, J. (Artist)
20. Abbate, Giulio Cesare (Artist)
21. Abbatini, Antonio Maria (Italian artist, active 17th century)
Finding Issues and Solutions

Semantic View (JSON, JSON-LD, RDF, N3/Turtle, N-Triples)
ID: 500304375

Wildenstein and Co., Inc. (International firm of art dealers, contemporary)

Names:
- Wildenstein and Co., Inc. (preferred, U, display)
- Wildenstein and Co. Ltd (U)
- Wildenstein (U)
- Wildenstein’s (U)
- Wildenstein & Co. Inc. (U)
- Wildenstein & Co. (U)
- Wildenstein and Co. (U)
- E. Gimpel & Wildenstein (U)
- Wildenstein and Company (U)
- Durbin, Frank H. Picture Company (U, index)
- Glaenzer, Eugene & Co. (U)
- Watson, M. Parish (U)
- Freeman’s (U)
- Kennedy Galleries, Inc. (U)
- Annesley & Vint (U)
- Lawrie & Company’s Galleries (U)
- Obach and Company (U)
- John C. Yorston & Co. (U)
- Noyes & Blakeslee, Inc. (U)
- Vorce, Allen D. (U)
Thank you!

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Digital Art History  
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Getty Vocabulary Program  
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Getty Provenance Index databases  
http://www.getty.edu/research/tools/provenance/search.html

Getty Provenance Index Remodel Project  
http://getty.edu/provenance_remodel

Getty Vocabularies  
http://getty.edu/research/tools/vocabularies/

Getty Vocabularies (LOD)  
http://vocab.getty.edu/