Digital Edition Publishing Cooperative for Historical Accounts and the Bookkeeping Ontology

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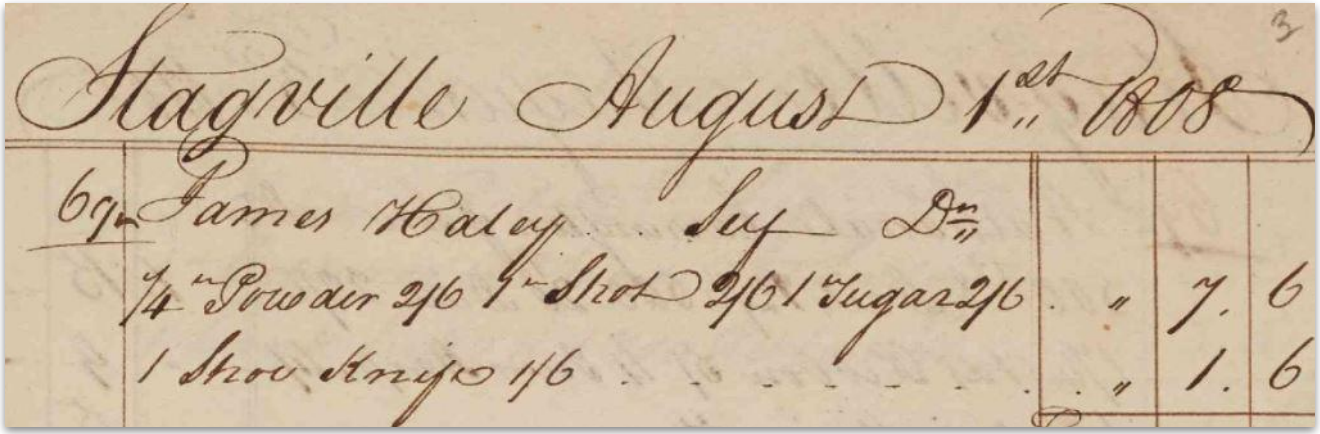
Digital Edition Publishing Cooperative for Historical Accounts

- Preliminary work for NHPRC/Mellon Implementation proposal
- Offer publication and access for historical accounting records.
- Editors would be able to upload their transcriptions from multiple formats (Excel, Drupal, XML/TEI).
- Data is hosted in GAMS and is converted to RDF for reuse.
- As outputs, DEPCHA would offers visualizations and information retrieval.

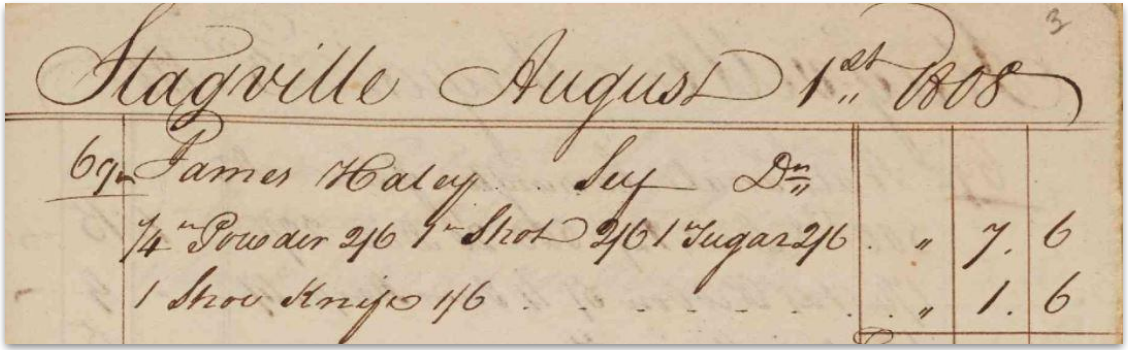
Historical Accounts


Stagville August 1st 1808

- Research questions: network of customer, what goes together, economic dependencies, free/enslaved ?
- Rich and highly structured data sets over long periods, where the aggregation of individual information is of interest
- Textual - quantifiable - semantic

Stagville Accounts, https://fromthepage.com/display/display_page?page_id=7884, 14.03.2018

Stagville Financial Papers (1767-1892)

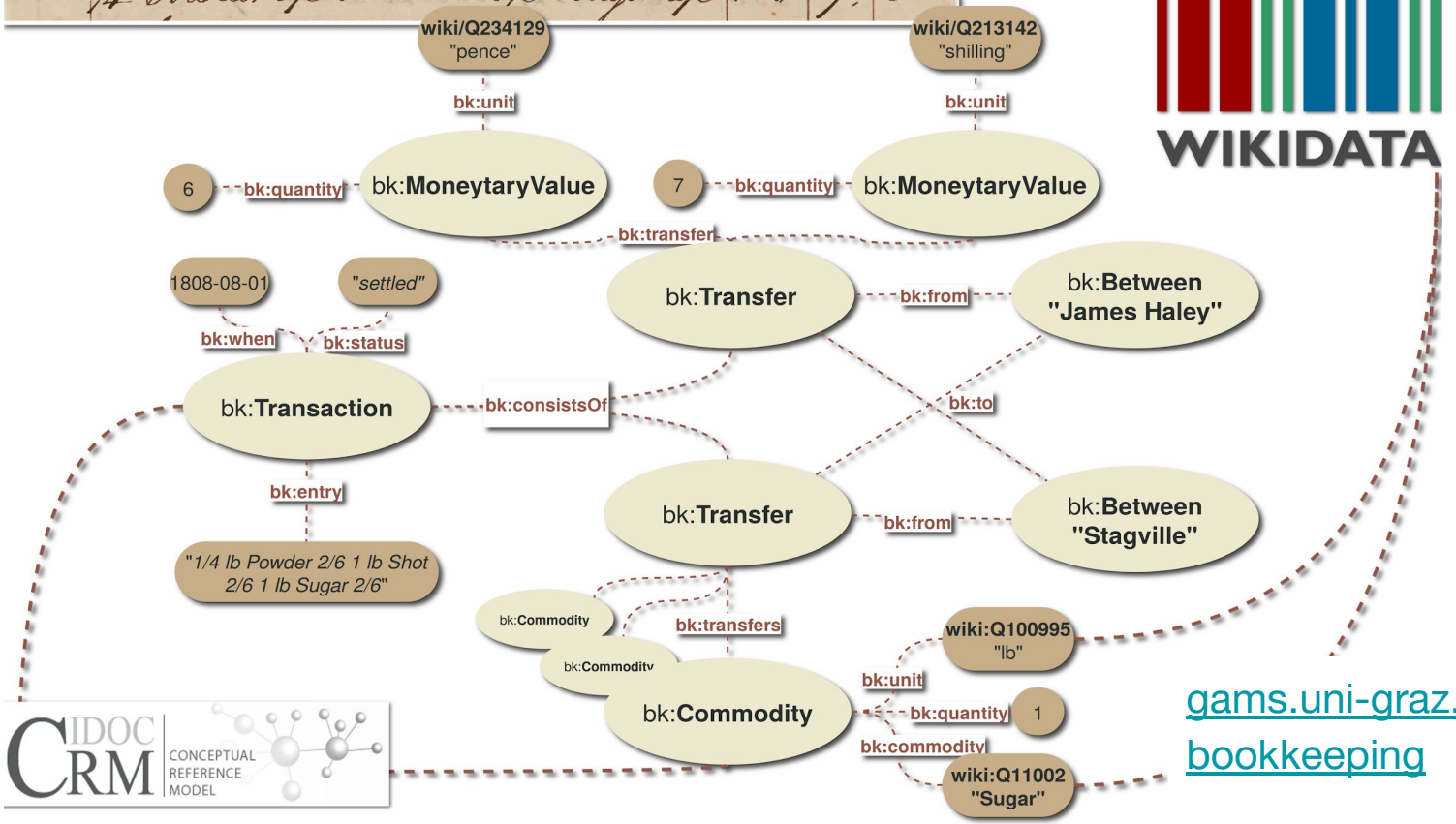


Stagville August 1st 1808

69 James Haley Self Dr.

Date	Item and price	L	s	d
	1/4 lb Powder 2/6 1 lb Shot 2/6 1 lb Sugar 2/6		7	6
	1 Shoe Knife 1/6		1	6
			9	-

Stagville Accounts, https://fromthepage.com/display/display_page?page_id=7884, 14.03.2018



WIKIDATA

CIDOC CRM CONCEPTUAL REFERENCE MODEL

gams.uni-graz.at/o:depcha.bookkeeping

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    <date ana="#bk_when" when="1808-08-01">
        August 1st 1808</date>
</head>
<table>
    <head>
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            James Haley</name>
        <span ana="#bk_debit #bk_status">Self Dr.</span>
    </head>
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                quantity="0.25" unit="#Q100995">1/4 lb Powder</measure>
        </cell>
        <cell>
            <measure ana="#bk_money" quantity="7" unit="#Q213142">7</measure>
        </cell>
        <cell>
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https://gams.uni-graz.at/o:depcha.stagville.1/TEI_SOURCE

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</bk:Commodity>
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    <bk:quantity>7</bk:quantity>
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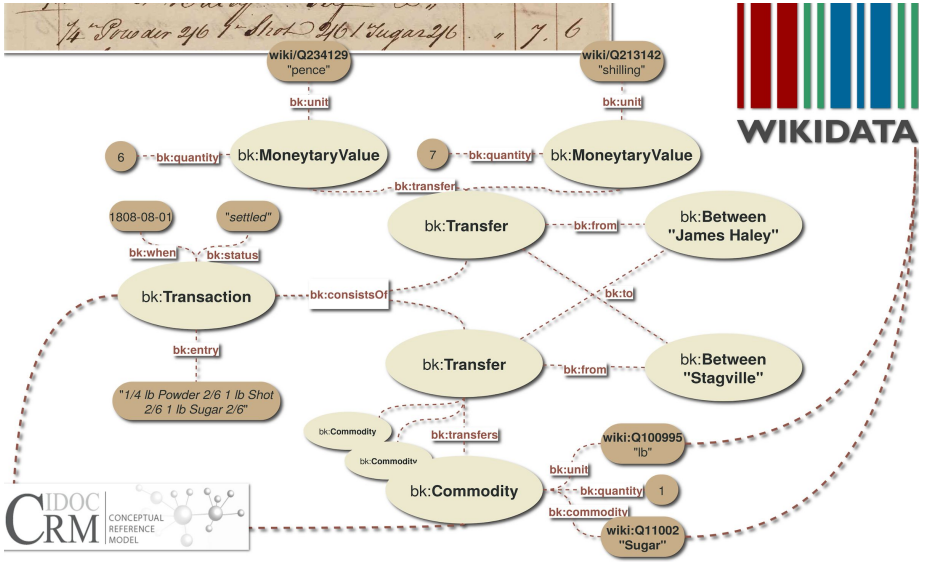
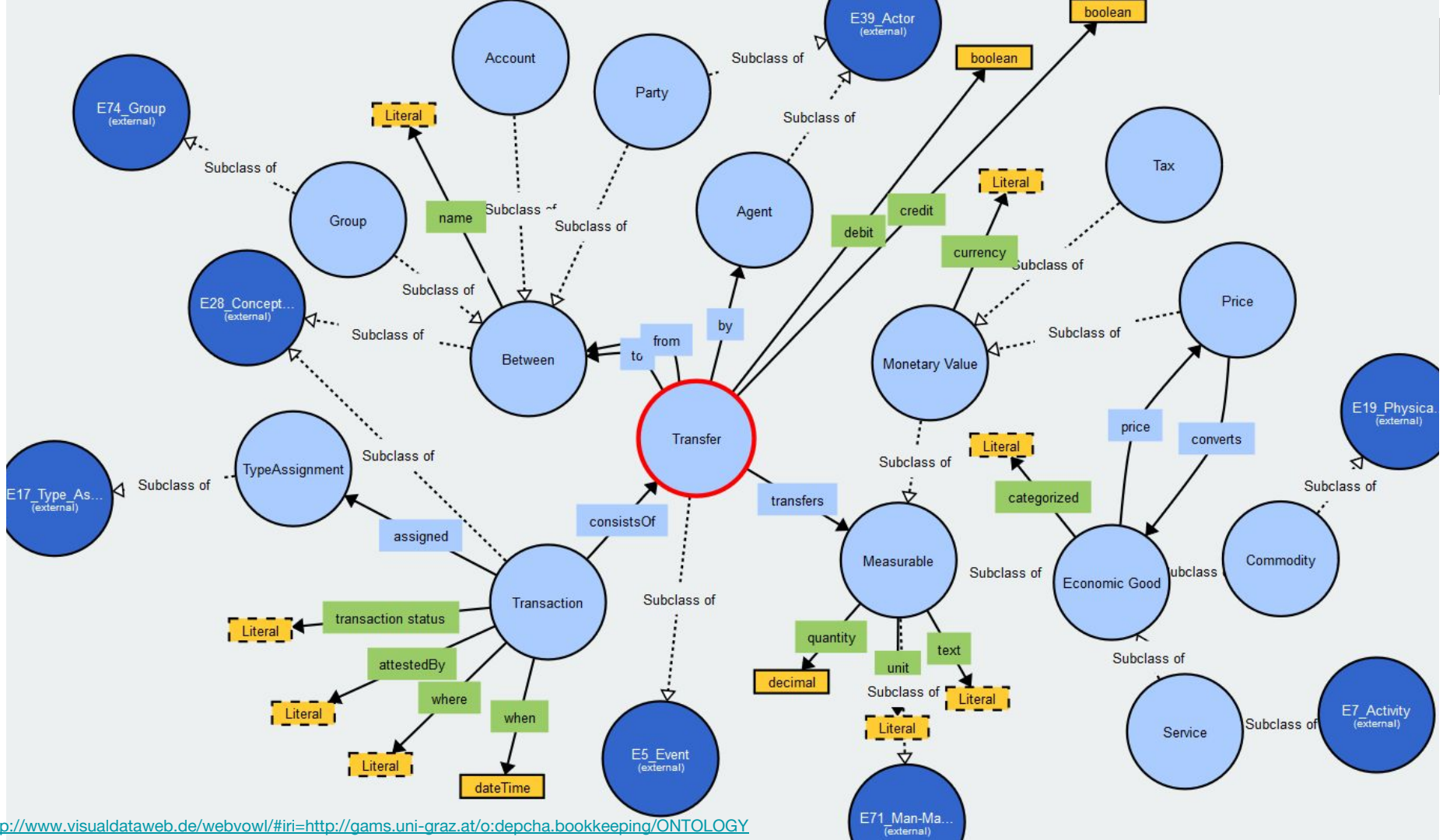


https://gams.uni-graz.at/o:depcha.stagville.1/RDF

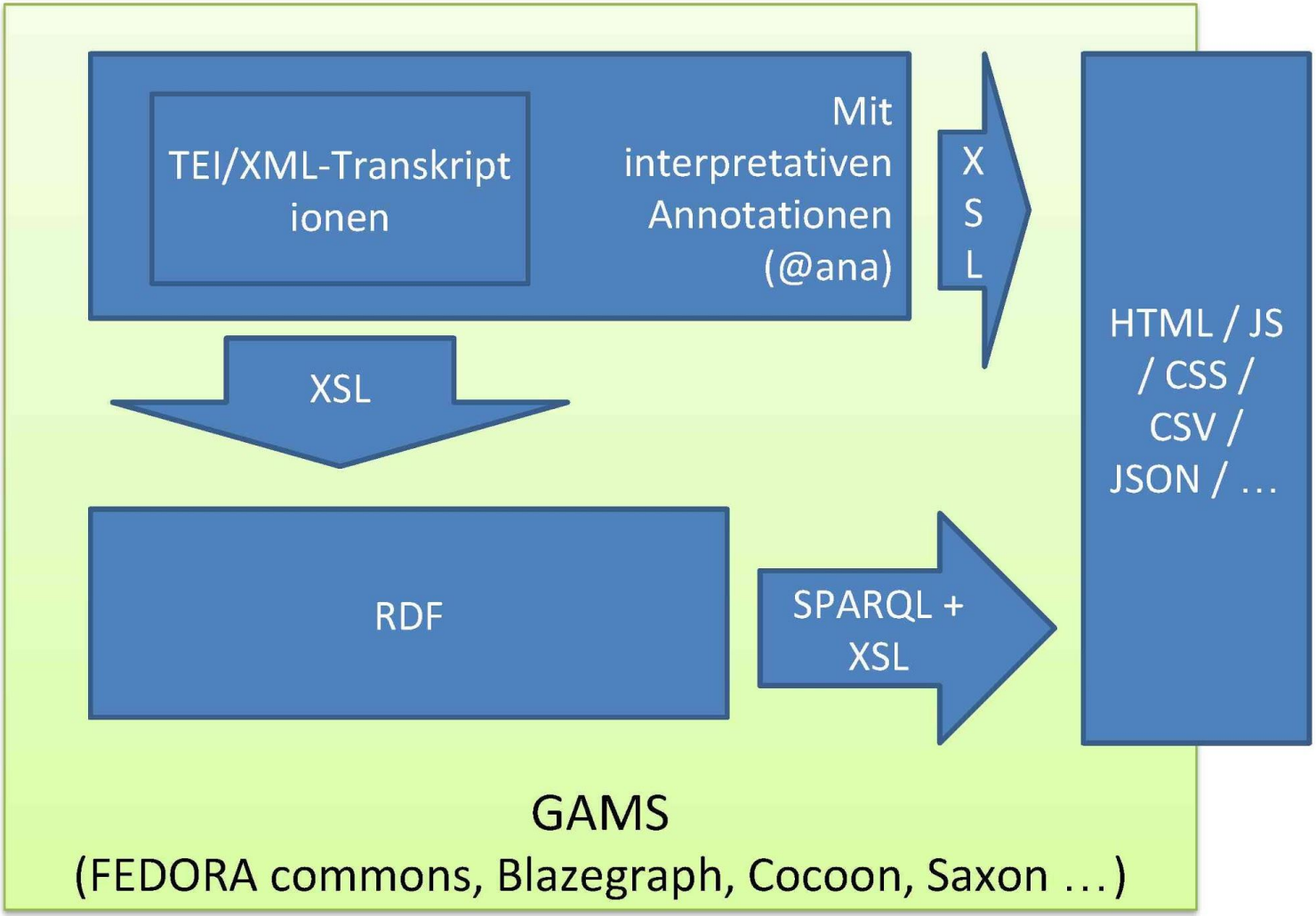


http://www.visualdataweb.de/webvowl/#iri=http://gams.uni-graz.at/o:depcha.bookkeeping/ONTOLOGY

Aims of the Bookkeeping Ontology

- **Controlled Vocabulary - Communication**
- **Hermeneutic Circle - Ontology Engineering**
- **Reasoning: Data Quality - Information Retrieval**
- **Longterm Preservation**

Prototype http://gams.uni-graz.at/depcha


TEI/XML-Transkript
ionen
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Annotationen
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HTML / JS
/ CSS /
CSV /
JSON / …
XSL
RDF
SPARQL +
XSL
GAMS
(FEDORA commons, Blazegraph, Cocoon, Saxon …)