

steve

Social Tagging Museums: Research and Reflections

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March 2008

<http://www.steve.museum>

- Access to Collections
 - ➡ searching + reference questions
- Tagging
 - ➡ potential for user content
- Research Questions
 - ➡ methods
 - ➡ steve tagger
- Preliminary Results
- Can we learn from tagging?

Social Tagging and Access to Collections

steve

access to collections

<http://www.steve.museum>



What we say doesn't match what visitors see

steve

SEARCH

WORKS OF ART

Home

Works of Art

- Permanent Collection
- Features
- Timeline of Art History

Search

GO

Works of Art

Advanced Search

Works of Art

Home > Search > Works of Art

PRINT

Results for shark in Works of Art: 12

Summary: 7 Timeline of Art History, 4 Features, 1 Permanent Collection

View All Results or Search within results: GO

Page 1 of 1

Timeline of Art History (Results: 2 of 7. View all results in Timeline of Art History.)

TIMELINE PAGES

TIMELINE OF ART HISTORY

TIMELINE PAGES

TIMELINE OF ART HISTORY

Guinea Coast, 1800-1900 A.D. | Timeline of Art History
... to Martinique. Called "the shark who made the ocean waters tremble," he is represented metaphorically by a human-size shark-headed wooden sculpture carved by royal family member Sosa Adede. • 1897 The British "Punitive Expedition" is launched upon ...

British Isles, 1600-1800 A.D. | Timeline of Art History
... outstanding portraitist, after settling in London Copley additionally undertakes large-scale history paintings such as Watson and the Shark (1778; Museum of Fine Arts, Boston), an opportunity for the artist to present a moral allegory through the ...

Features (Results: 2 of 4. View all results in Features.)

Features

Features

Art and Oracle: A Scholarly Resource of African and Rituals of Divination | Explore & Learn
Enlarge image 49. Divination Portrait of King Gbehahzin as a Mah-Shark Sosa Adede (fl. ca. 1860-1900) Fon, Republic of Benin Wood, paint; H. 160 cm (63 in.) 19th century
Laboratoire d'Ethnologie, Musée de l'Homme, Paris 93.45.3 ...

Art and Oracle: A Scholarly Resource of African and Rituals of Divination | Explore & Learn
... with keeping that enemy force at bay is reflected in a lifesize representation of a surrealistic creature that fuses shark and human features, commissioned before his exile to Martinique. Another work, a Yoruba carved wooden door by one of ...

Permanent Collection (Results: 1 of 1)



Watson and the Shark, ca. 1778
Unknown artist; After John Singleton Copley (1738-1815)
Gift of Mrs. Gordon Dexter, 1942 (42.71.1)
... London, 5 Mar. 1864, no. 61, as "A Youth Rescued from a Shark"; with Cox as agent; the artist's granddaughter, Martha (Mrs. Charles) Babcock Amory, ...

Page 1 of 1

only one shark – not the one I remember ...

<http://www.steve.museum>

Home

Works of Art

Collection Database

American Paintings and Sculpture

Search

Works of Art

Advanced Search

THE MET STORE



Unique reproductions in cast marble, bonded bronze, and more

WORKS OF ART

AMERICAN PAINTINGS AND SCULPTURE

All: All

Note to Reader

Work 733 of 33,464

LIST VIEW

PRINT

PREVIOUS

NEXT



Enlarge

Zoom

ADD to My Met Gallery

Description

Signatures, Inscriptions, and Markings

Description

"The Gulf Stream" was based upon studies made during Homer's two winter trips to the Bahamas in 1884-85 and 1898-99. First exhibited at the Pennsylvania Academy of the Fine Arts in Philadelphia in 1900, the picture was subsequently reworked and "improved" by the artist. Early photographs show changes to the sea and to the back of the ship, making the composition more dramatic and vivid. The painting was shown in this state at the Carnegie Institute in Pittsburgh in 1900-01, and then at M. Knoedler and Co. in New York, where the artist placed on the picture the record-asking price of \$4,000. There were problems selling the work because of either its high price or its unpleasant subject matter. Homer may have reworked the painting again in the face of this criticism in order to add the rigger on the horizon that signals hope and rescue from the perils of the sea.

PREVIOUS

NEXT

≠ shark

<http://www.steve.museum>

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sharks!

<http://www.steve.museum>

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searching museum collections

<http://www.steve.museum>

- much work on “access” not based on evidence of what people really do
- few real studies of interactions with museum databases
- lots of data available, most un-analysed

Defining Needs

- Year's worth of search log data

126,999 queries : Sept 1, 2005 to Aug. 31, 2006

Guggenheim Collection: Prototype Search Log Analysis

- 73% of searches were successful
 - ➡ more that 1/4 were not
- the usage curve strongly matched the academic year and the days of the week
 - ➡ significant dips on weekends
 - ➡ exhibition program influences searches
- artists names are searched significantly more often than other things
 - ➡ 63% of searches made more than 10 times

Guggenheim Collection: Prototype Search Log Analysis

- Search terms are very diverse
 - ➡ most popular search term 'picasso' made up only 2.8% of searches = a very long tail
- Tail differs from the 'head'
 - ➡ more likely to be for subject-related topics, and combinations of categories
- Spelling errors = 36% of unsuccessful searches
 - ➡ spelling errors = 50% of unsuccessful artist's name searches

Guggenheim Collection: Prototype Search Log Analysis

“the people watching this were not searching for "museum" content; they were searching for "calligraphy" content.”

C. Alexander, et al., “Beyond Launch: Museum Videos on YouTube, *Museums and the Web 2008*”, <http://www.archimuse.com/mw2008/papers/hart/hart.html>

There’s no such thing as “museum content”

steve

reference questions

<http://www.steve.museum>

From: J. P. xxxxxx@xxxxxx.com
Date: Sat, 26 Aug 2006 11:24:43 -0700
To: timeline@metmuseum.org
Subject: Looking for a painting

Please help:

I have been looking on and off for years for this painting. The painting is of a very well dressed renaissance man standing in a room (a library) in front of him on a table is a large hour glass. The painting has very rich colors. I have talked to a lot of people and they have said they have seen this painting but can't remember its name or the name of the artist.

Could you please use your resources to find this painting?

steve



<http://www.steve.museum>

What “J. P.” knows:

painting
Renaissance
standing
man
very well dressed
library
hourglass
table
rich colors

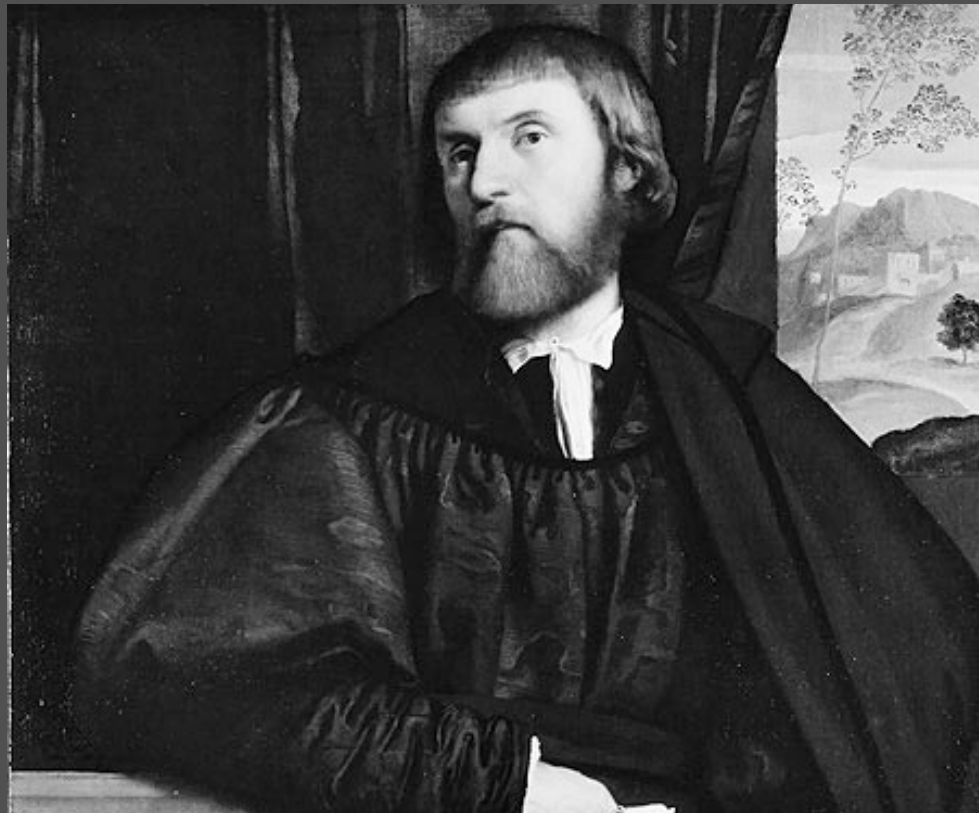
What a Met curator knows:

Portrait of a Man, ca. 1520–25
Moretto da Brescia (Alessandro Bonvicino)
(Italian, Brescian, born about 1498, died 1554)
Oil on canvas; 34 1/4 x 32 in. (87 x 81.3 cm)
Rogers Fund, 1928 (28.79)

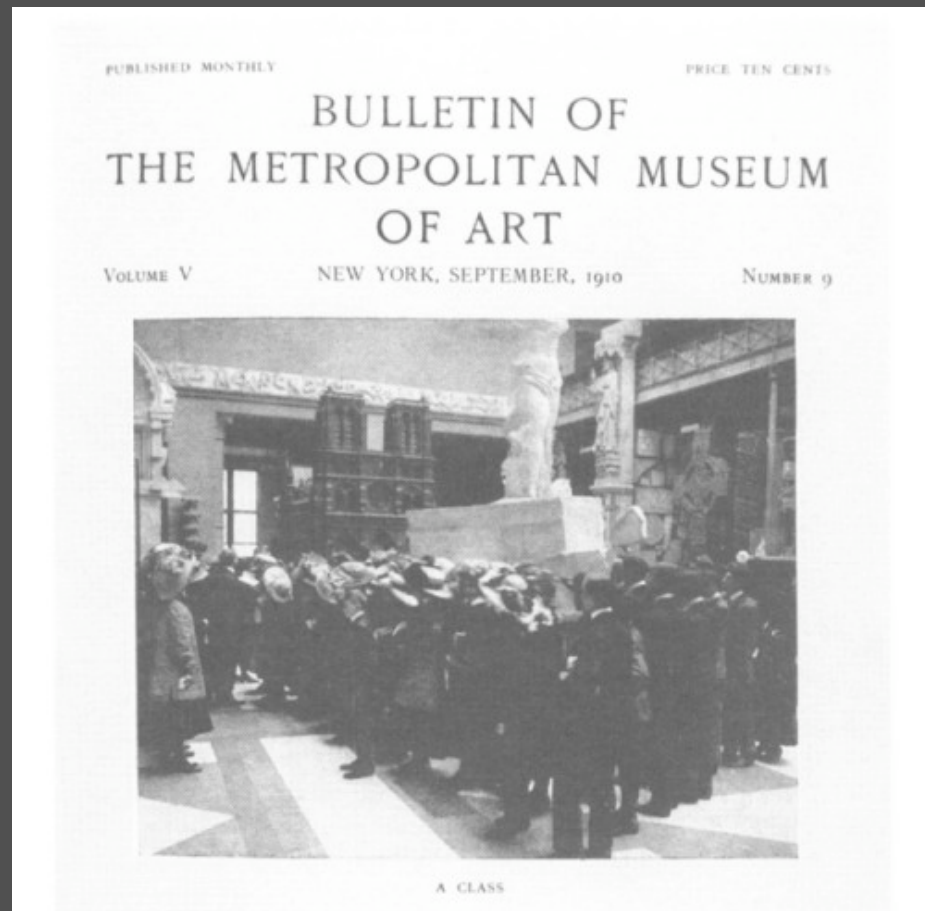
Provenance: Maffei, Brescia (by 1760, as "Ritratto d'uomo con carta in mano, ed Orologio, di Callisto da Lodi"); by descent to contessa Beatrice Erizzo Maffei Fenaroli Avogadro, Palazzo Fenaroli, Brescia (by 1853—at least 1857, as by Moretto); her daughter, contessa Maria Livia Fenaroli Avogadro, later marchesa Fassati, Brescia (in 1862); her son, marchese Ippolito Fassati, Milan (by 1878—at least 1912); [Elia Volpi, Florence, by 1915–16; sold to Knoedler]; [Knoedler, New York, 1916–28; sold to MMA]

steve

bangs
beard
border
cape
contemplation
elbow
hourglass
landscape
learned
man
mountain
moustache
nobleman
painting
portrait
ring
robe
Renaissance



volunteer supplied tags might help



“our catalogues may be out of date
before they have left the press”, 1910

steve

could tagging help?

<http://www.steve.museum>

Search results for **museum**

museum

del.icio.us

Your bookmarks

showing 1 - 3 of 270

[The Art Museum Community Cataloging Project](#) [edit](#) / [delete](#)

steve: folksonomy in the art museum
 to folksonomy art museum metadata cataloguing social socialsoftware steve.museum ... [saved by 366 other people](#) ... on nov 10, 2005

[Power Unit Studio: Ishiuchi Dam Museum](#) [edit](#) / [delete](#)

A museum of a dam in Misumi-cho, Kumamoto.
 to architecture museum ... on may 09, 2006

[Metadata Tagging — Portal](#) [edit](#) / [delete](#)

MIT museum without walls
 to MIT museum tagging geospatial geotagging ... [saved by 1 other person](#) ... on aug 22

» [More results in your bookmarks](#)

Everyone's bookmarks → **related tags:** [museum](#) [art](#) [museums](#) [history](#) [design](#) [science](#) [reference](#) [culture](#) [nyc](#) [education](#)

showing 1 - 10 of 94638

« [previous](#) | [next](#) »

[MoMA | The Museum of Modern Art](#) [save this](#)

to art museum nyc museums design ... [saved by 1865 people](#)

[Design Museum London](#) [save this](#)

to design museum london art architecture ... [saved by 1687 people](#)

[Timeline of Art History | The Metropolitan Museum of Art](#) [save this](#)

to art history timeline museum reference ... [saved by 1558 people](#)

sponsored results

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Free admission, evening films, and private previews. Join today.
www.moma.org/membership

[Priceline: Science Museum](#)

Hotels near Science Museum London Pay at check-in. No booking fees.
www.priceline-europe.com

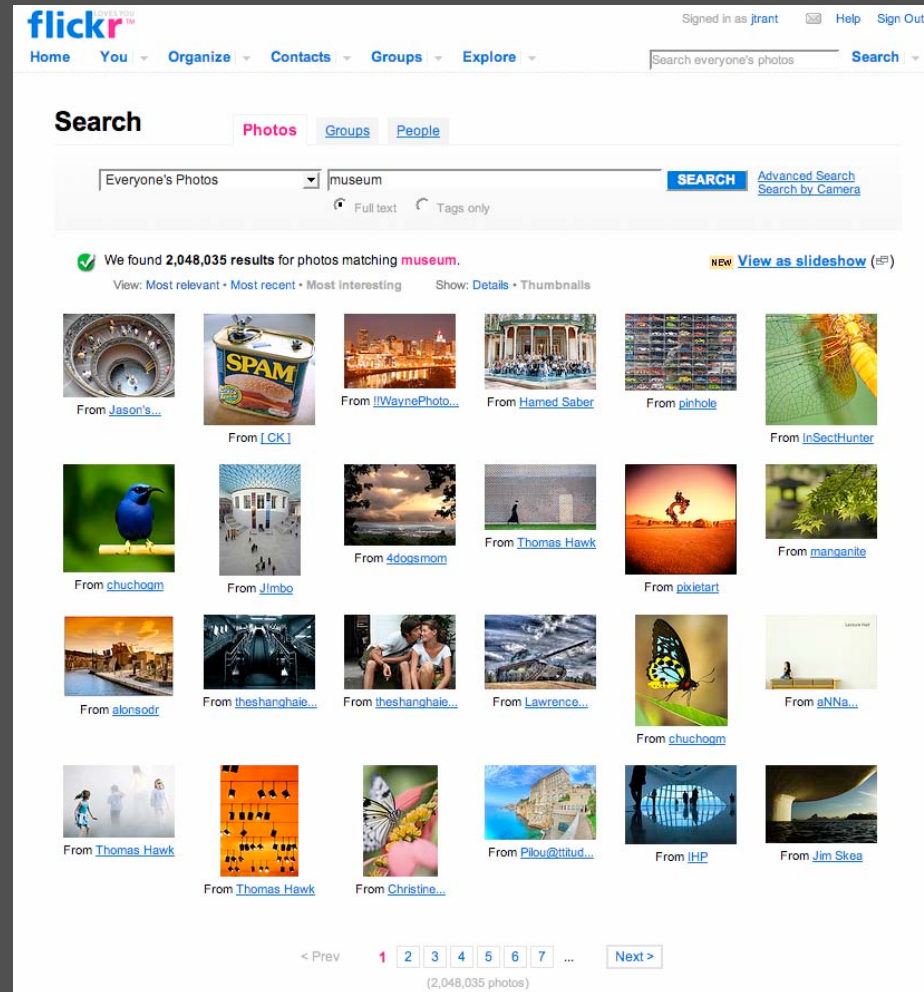
[Beads Findings Charms Pendants](#)

20,000+ Beading items. Free Shipping. No hassle guarantee. Since 1992.
www.artgemsinc.com

Web sites tagged “museum” in del.icio.us

<http://www.steve.museum>

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now over 2,626,034 images tagged “museum” in flickr.com

<http://www.steve.museum>

CiteULike

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Search results for: archives

All articles on CiteULike matching your search criteria

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Groups interested in: archives

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- [OpenArchive](#)
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- [Knowledge Management](#)
- [Wikipedia](#)
- [Sciences communication societe](#)
- [digital youth](#)
- [sims_phd_cohort_2005](#)

Articles discussing: archives

- [Archives de philosophie du droit t.50-2006: la création du droit par le juge](#) by [Archives](#) posted by [1 person](#)
- [The Open Archives Initiative](#) *Serials Review*, Vol. 28, No. 2, (2002), pp. 156-158. by Mark [Needleman](#) posted to [archives initiative open](#) by [jwaCooks](#) on 2004-12-06 17:01:04 [along with 8 other people](#)
- [Foundations of Modern Language Resource Archives](#) by Peter [Wittenburg](#), Daan [Broeder](#), Wolfgang [Klein](#), Stephen [Levinson](#), Laurent [Romary](#) posted to [resource modern language archives](#) by [A_Olympia](#) to the group [Philosophy of Information](#) on 2006-06-02 09:56:17 as ★★ [along with 1 other person](#)
- [Archives, Memory, and Interfaces with the Past](#) *Archival Science*, Vol. 2, No. 1, (1 March 2002), pp. 21-43. by Margaret [Hedstrom](#) posted to [selection provenance interfaces digital-archives archives archival-description](#) by [AlisonBabeu](#) on 2007-06-07 17:34:12 as ✓
- [The Archival Sliver: Power, Memory, and Archives in South Africa](#) by V [Harris](#) posted to [archives postmodernism southafrica](#) by [Wyn](#) on 2005-11-25 16:16:08 as ✓ [along with 3 other people](#)

Everyone's Tags

Most active tags on CiteULike

Filter:

[adaptation](#) [algorithm](#) [algorithms](#) [analysis](#) and [architecture](#) [attention](#) [bacteria](#) [bayesian](#) [bioinformatics](#) [biology](#) [book](#) [cancer](#) [classification](#) [clustering](#) [cognition](#) [collaboration](#) [communication](#) [community](#) [complexity](#) [context](#) [control](#) [culture](#) [data](#) [database](#) [design](#) [detection](#) [development](#) [distributed](#) [dna](#) [dynamics](#) [ecology](#) [economics](#) [education](#) [evaluation](#) [evolution](#) [experiment](#) [expression](#) [fmri](#) [gene](#) [genetics](#) [genome](#) [genomics](#) [health](#) [history](#) [human](#) [information](#) [interaction](#) [knowledge](#) [logic](#) [management](#) [memory](#) [methods](#) [microarray](#) [model](#) [modeling](#) [modelling](#) [network](#) [networks](#) [neuroscience](#) [nlp](#) [of](#) [ontology](#) [optimization](#) [p2p](#) [pattern](#) [perception](#) [performance](#) [philosophy](#) [prediction](#) [protein](#) [research](#) [review](#) [ma](#) [search](#) [security](#) [selection](#) [semantic](#) [simulation](#) [social](#) [sociology](#) [software](#) [spatial](#) [statistics](#) [structure](#) [survey](#) [system](#) [systems](#)

citeUlike.org - organize your academic citations

2:06
Time Left

The ESP Game

0000
score



Taboo Words

BOAT
SHIP
PEOPLE
HAT
CRUISE
WATER

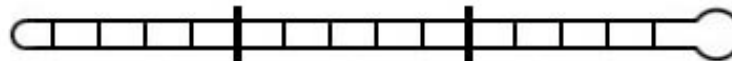
Your Guesses

FERRY
DOCK
BLUE
RED
DRESS
WOMEN

Type your next guess:

Pass

Your partner has
entered a guess



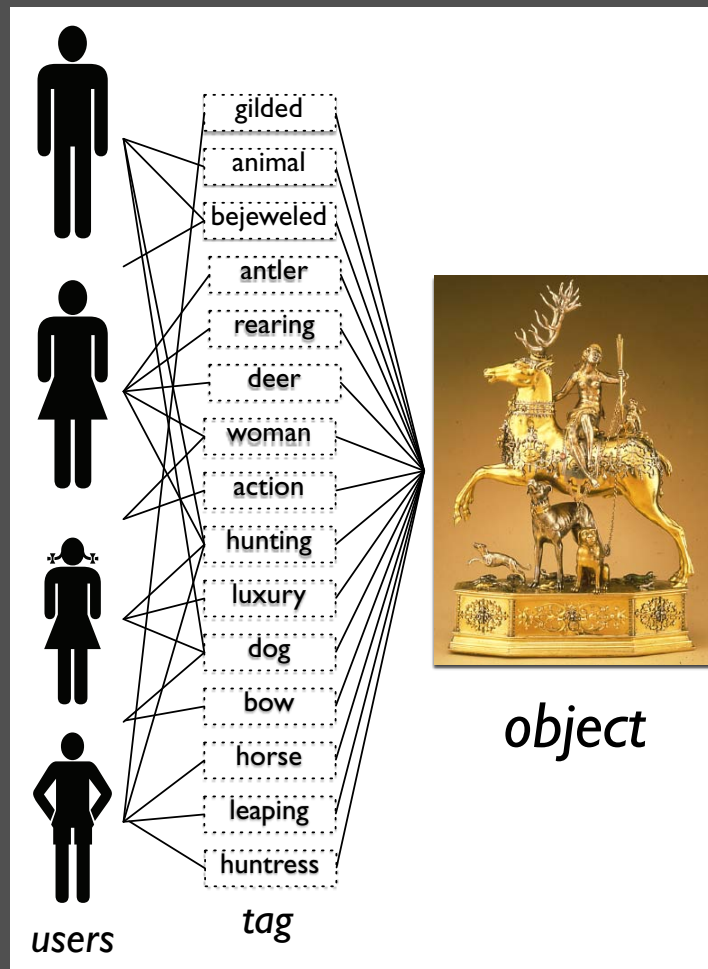
Flag

© 2005 Carnegie Mellon University, all rights reserved. Patent Pending.

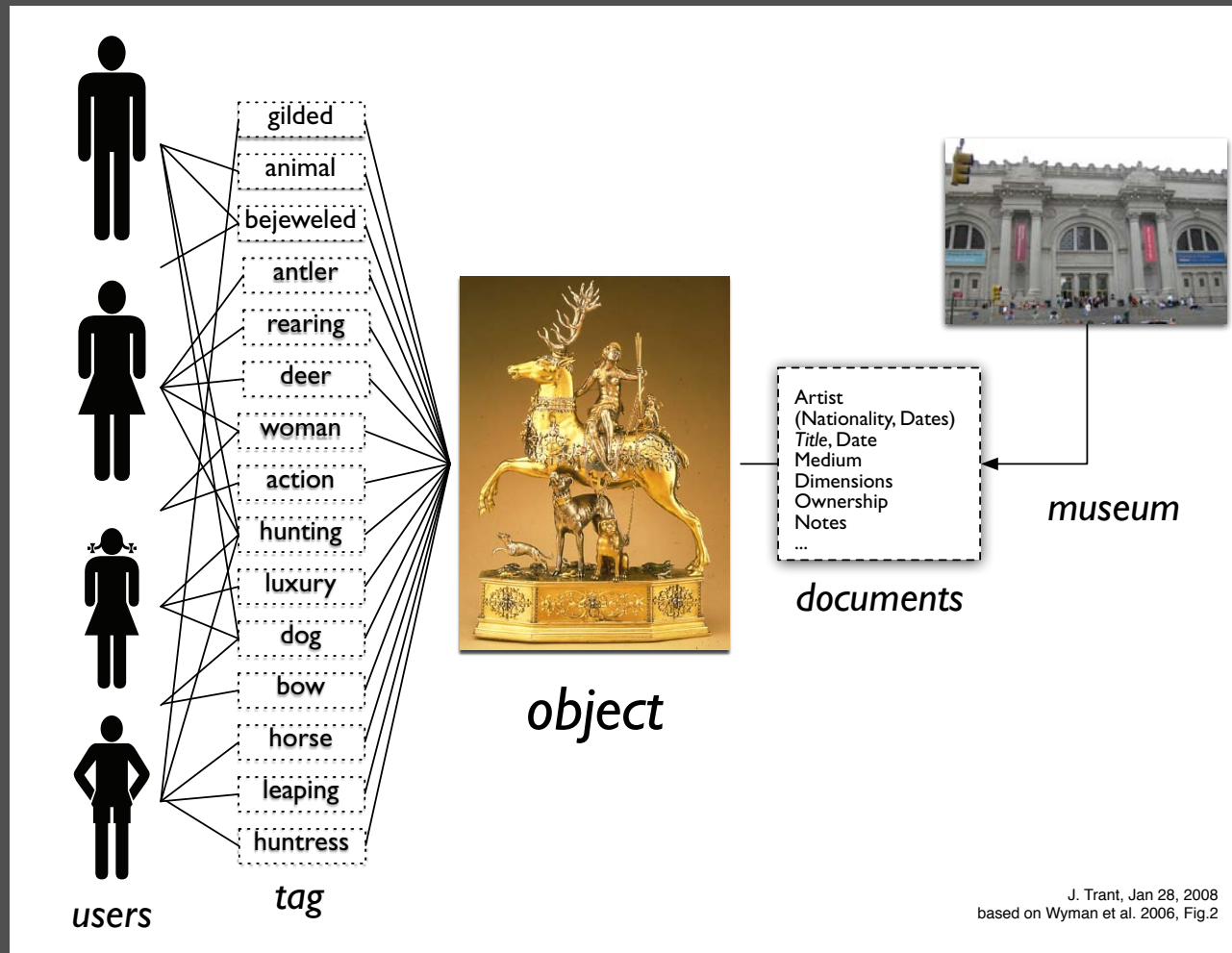
espgame.org - match your partner's tags



It seems simple ...



but it's not so simple ...



not simple at all ...

J. Trant, Jan 28, 2008
based on Wyman et al. 2006, Fig.2

steve

a research project

<http://www.steve.museum>

steve

STEVE RESEARCH PROJECT

steve

THE ART MUSEUM SOCIAL TAGGING PROJECT

About steve

Tag Art

Get Code

Application Development

Research

Discussions

Reference

Press

Steering Committee

Join the first experiment in social tagging of art museum collections.

Here's how:

- [Tag Art](#)
- [Museums](#)
- [Researchers](#)
- [Developers](#)

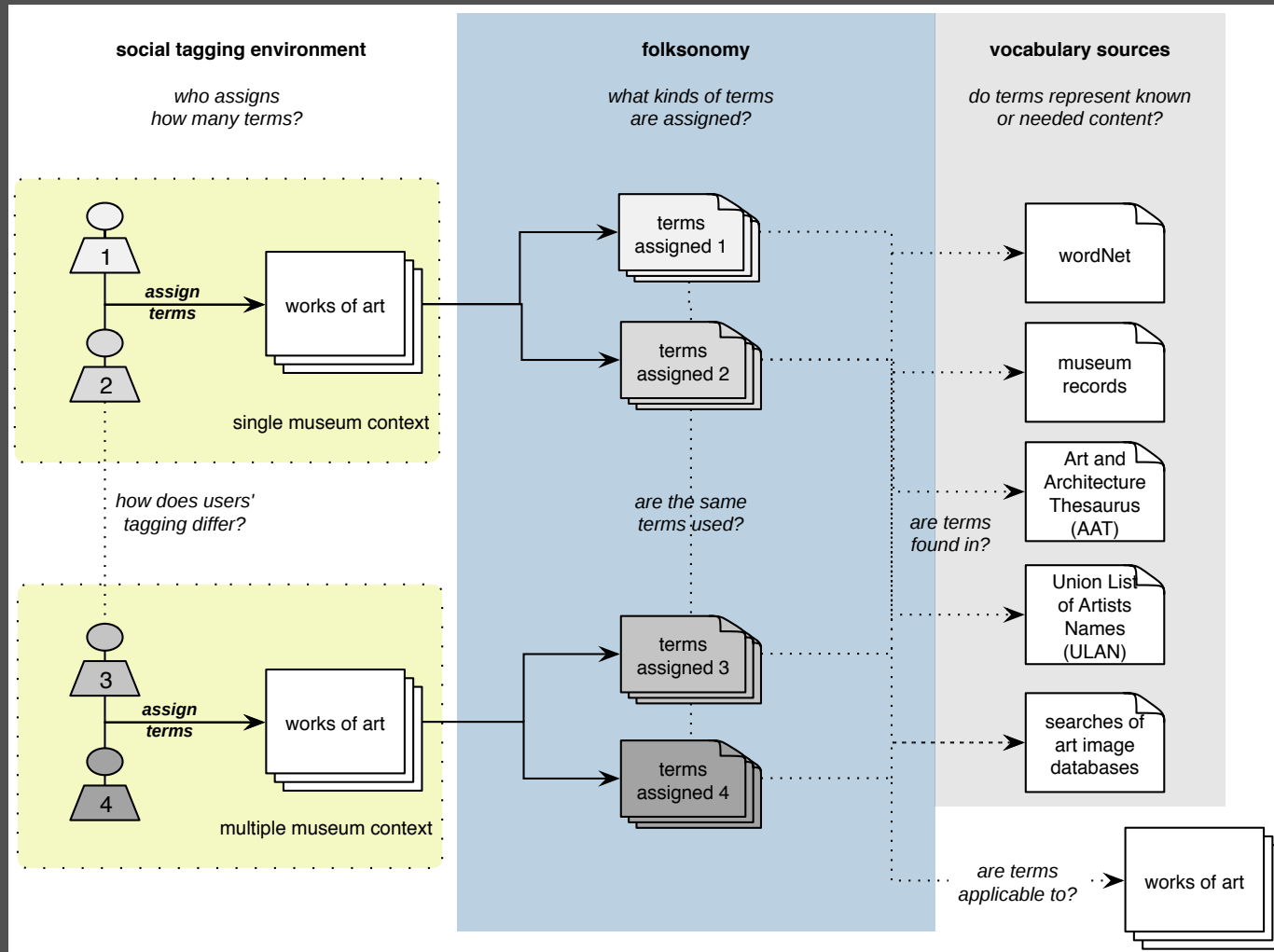
What is steve? Steve is a research project whose participants are building a tagging tool, collecting tags, analyzing data, and engaging in discussion. We hope to apply what we learn to improving access to works of art. Here's a diagram of [steve's world](#).

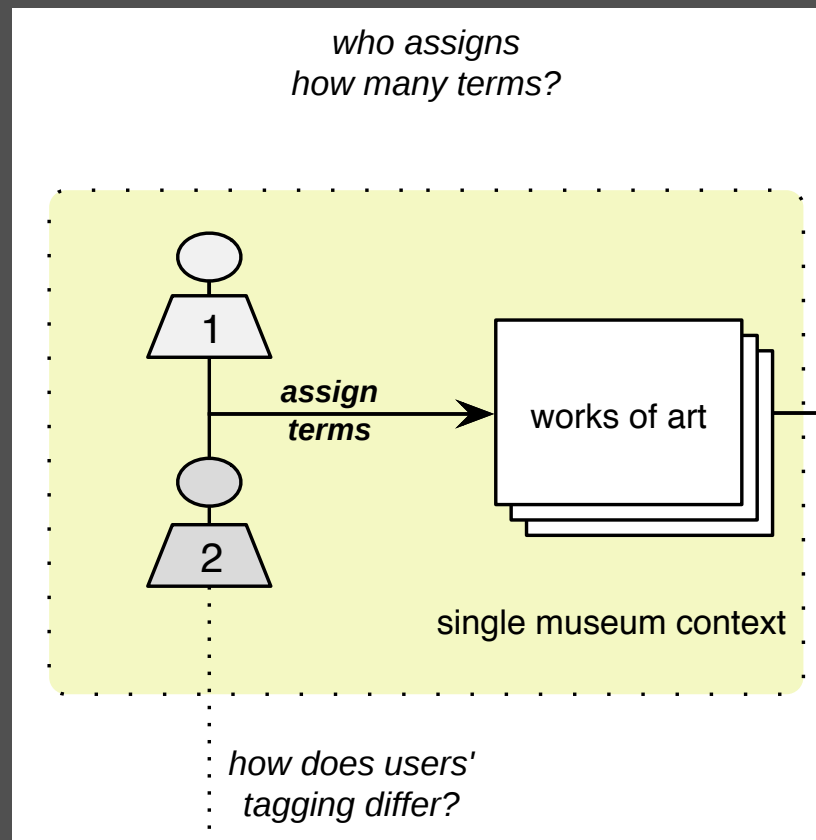
asia harvest river
bird wood red
collage pink gold unicorn
shadows



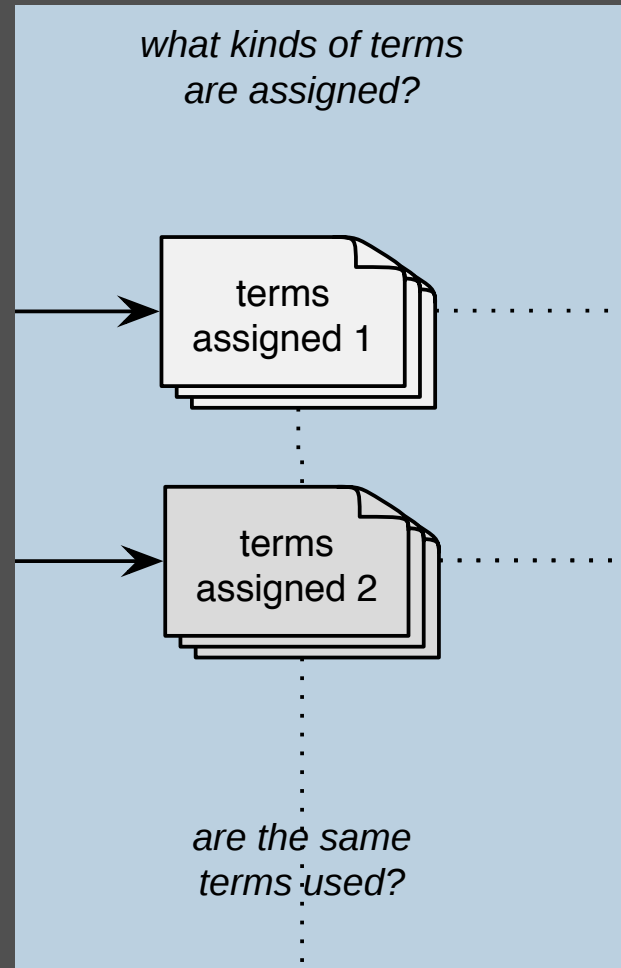
 Send us your feedback

<http://www.steve.museum>

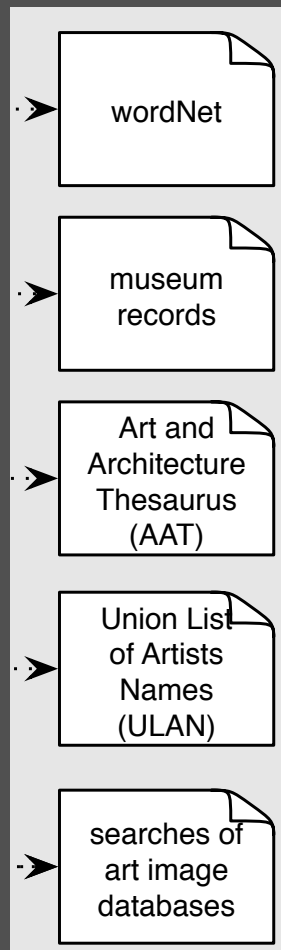




Research Agenda: Tagging Environment



Research Agenda: Folksonomy



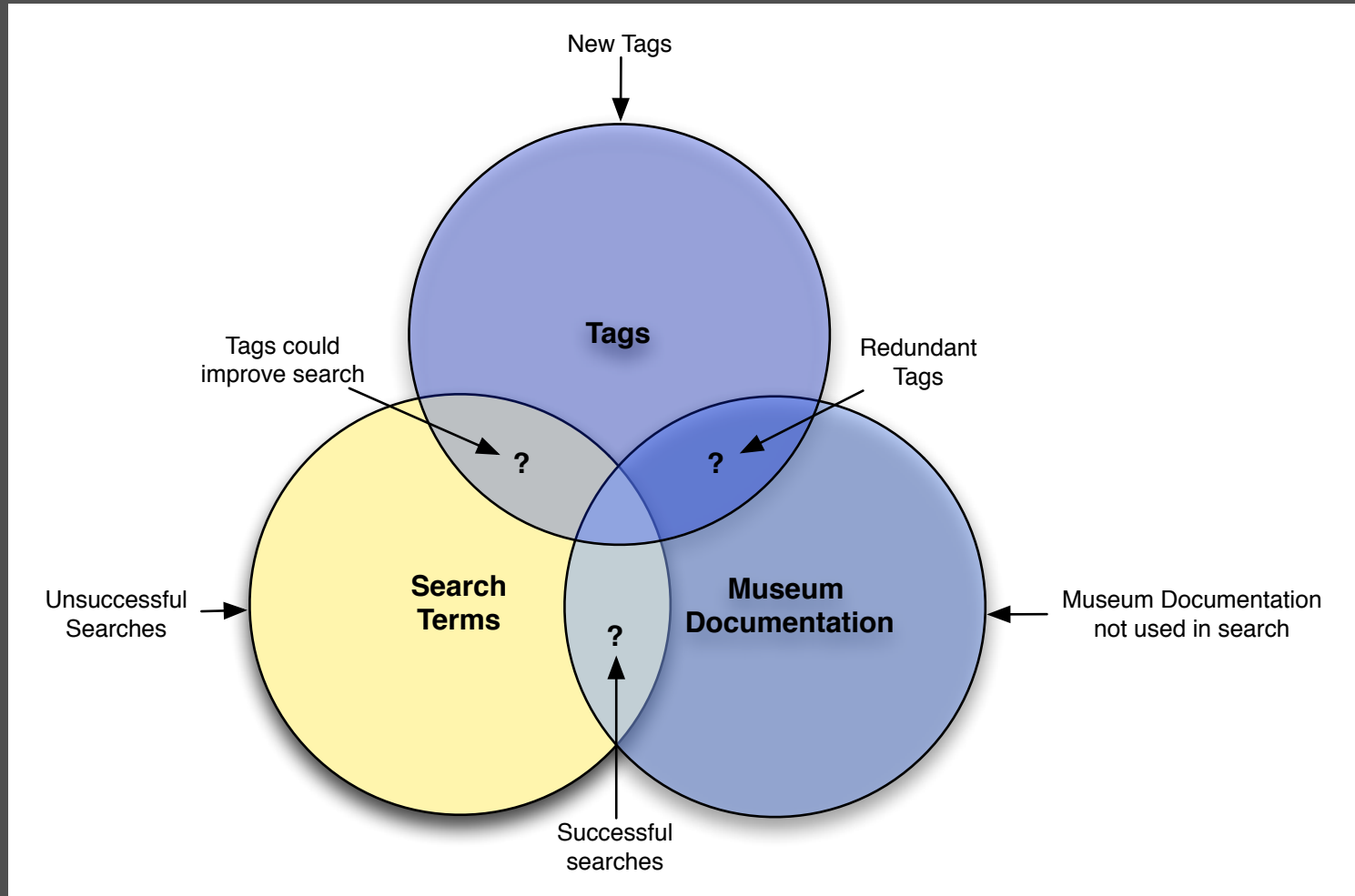
Research Agenda: Vocabulary Sources

*are terms
applicable to?*



works of art

Research Agenda: Works of Art



Tags Searches and Museum Documentation

an open source tagger

download from
<http://www.steve.museum>

steve

STEVE TAGGER

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THE ART MUSEUM SOCIAL TAGGING PROJECT

Why tag art?

See art you haven't seen before.
Look in a new way.
Describe works of art in your own words.
Exchange your ideas with the community of art lovers.
Lead others to artworks they wouldn't normally see.
Create a personal relationship to works.
Let museums know what you see.
The more you tag, the richer the experience for all.

Log in, [register](#), or just [start tagging](#) images.

Login ID

Password

Log in

[Learn more about steve](#)



wood
couple
prim

 [Send us your feedback](#)

<http://www.steve.museum>

BACK TO SETS
HELP
LOG OFF

steve

THE ART MUSEUM SOCIAL TAGGING PROJECT

SET 4 193 REMAINING

Start Here

empire waist

ADD

balloon sleeves
black
bracelet
cape
elegant
evening
red

NEXT →



Don Loper, O Loper, 1906-1972
Woman's Evening Dress and Coat, circa 1958
Silk tulle; 1) Center back of dress: 64 1/2 in. (163.7 cm); 2) Center back of coat: 47 1/2 in. (120.6 cm)
Gift of Mrs. Susan Quinn Keck, AC1993.121.1.1-2
Los Angeles County Museum of Art

This project is funded, in part, by a grant from the U.S. Institute of Museum and Library Services.

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Tagging works

[BACK TO SETS](#)[HELP](#)[LOG OFF](#)

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THE ART MUSEUM SOCIAL TAGGING PROJECT

SET 4

104 REMAINING

Start Here



Don Loper, 0 Loper, 1906-1972
Woman's Evening Dress and Coat, circa 1958
Silk faille; 1) Center back of dress: 64 1/2 in. (163.7 cm); 2) Center back of coat: 47 1/2 in.
(120.6 cm)
Gift of Mrs. Susan Quinn Keck, AC1993.121.1.1-2
Los Angeles County Museum of Art

ADD ↓

NEXT →

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[Show Metadata](#)

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STEVE TAGGER

BACK TO SETS
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THE ART MUSEUM SOCIAL TAGGING PROJECT

SET 4

104 REMAINING

Start Here



ADD ↓

A large, empty white rectangular box, likely a placeholder for a tag or image.

NEXT →

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Hide Metadata

<http://www.steve.museum>

BACK TO SETS
HELP
LOG OFF

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THE ART MUSEUM SOCIAL TAGGING PROJECT

SET 4

104 REMAINING

Start Here

ADD ↓

NEXT →



Don Loper, O Loper, 1906-1972
Woman's Evening Dress and Coat, circa 1958
Silk faille; 1) Center back of dress: 64 1/2 in. (163.7 cm); 2) Center back of coat: 47 1/2 in. (120.6 cm)
Gift of Mrs. Susan Quinn Keck, AC1993.121.1.1-2
Los Angeles County Museum of Art

Tags for this work:
Cape, Gloves, Red, balloon sleeves, black, black velvet dress, blouson sleeve cape bracelet, elegant, empire waist, evening, fashion, formal dress, formal silk cape, full length gloves, mannequin, opera, pointy slippers, red cape, style

This project is funded, in part, by a grant from the
U.S. Institute of Museum and Library Services.

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Showing Tags

HELP
LOGOFF

steve

THE ART MUSEUM SOCIAL TAGGING PROJECT

TAG ART

How does the tagging tool work?

Select one the sets below to begin cataloging.

SET 4



104 REMAINING

SET 1



581 REMAINING

SET 2



211 REMAINING

SET 3



324 REMAINING

Showing sets vs. Random works

steve

STEVE TAGGER

HELP
LOG OFF

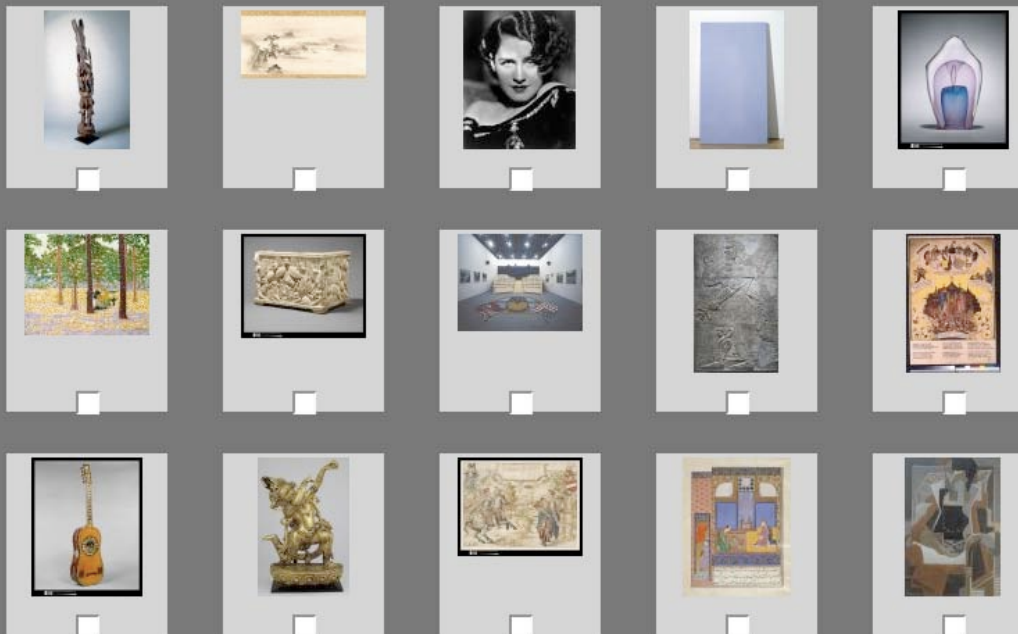
steve

THE ART MUSEUM SOCIAL TAGGING PROJECT

TAG ART

How does the tagging tool work?

Select more than one image and then click "start tagging."



Choose Works to Tag

<http://www.steve.museum>

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early results

<http://www.steve.museum>

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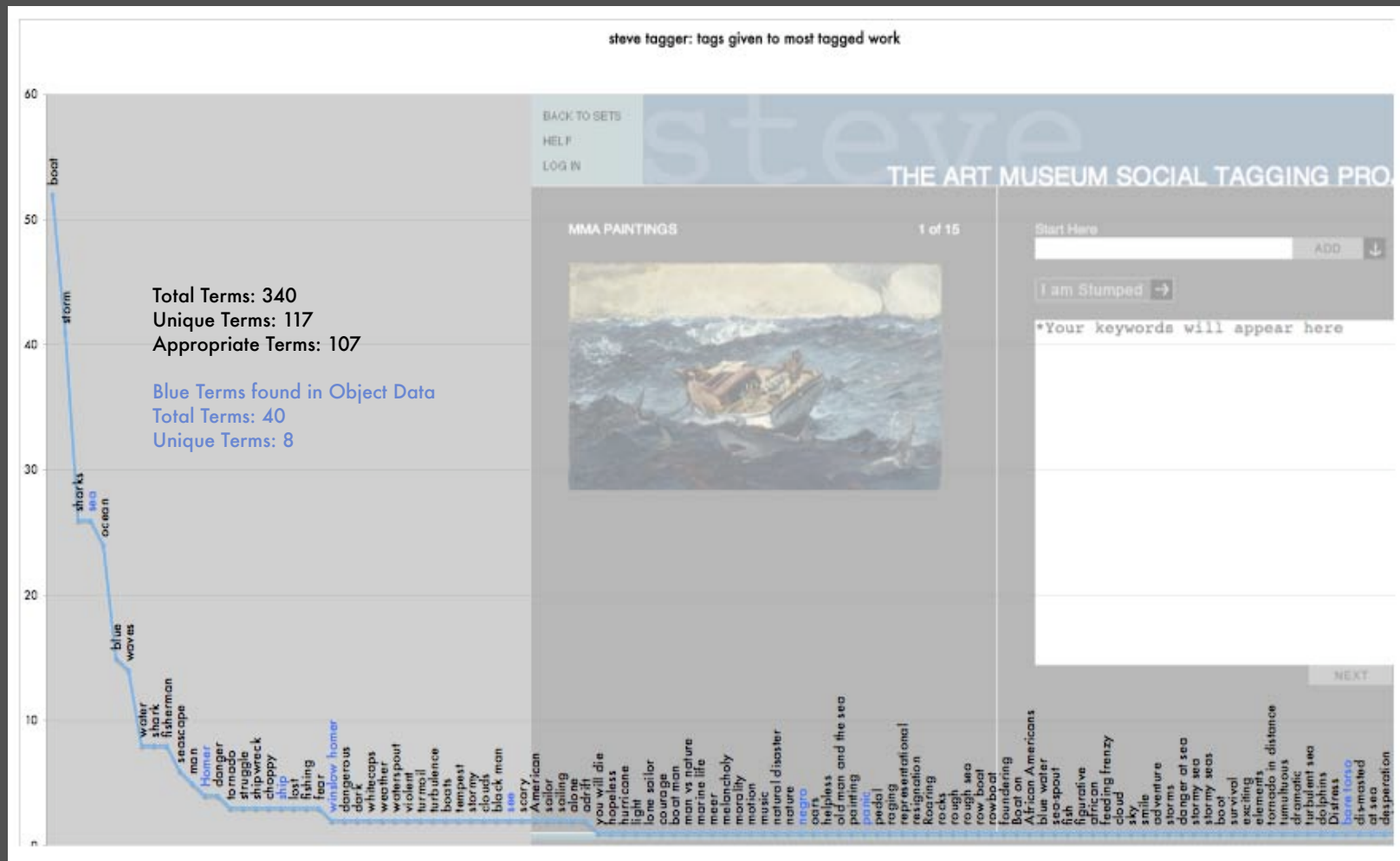
> 41,872 tags
collected so far

[1,780 works]

<http://www.steve.museum>

~70% (32,898 terms)
don't match any part of
museum documentation

steve

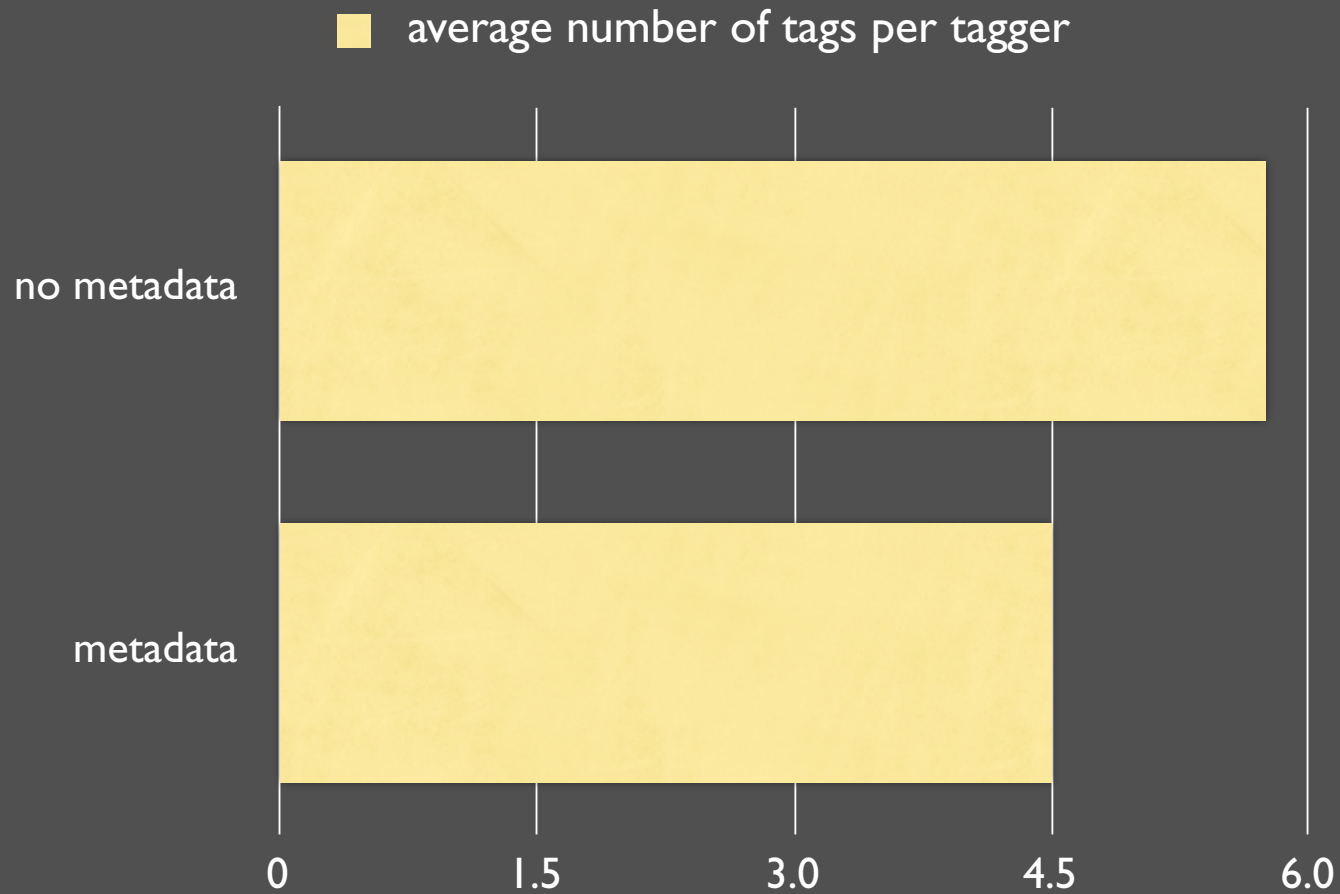


Useful? 92.5% new terms

<http://www.steve.museum>

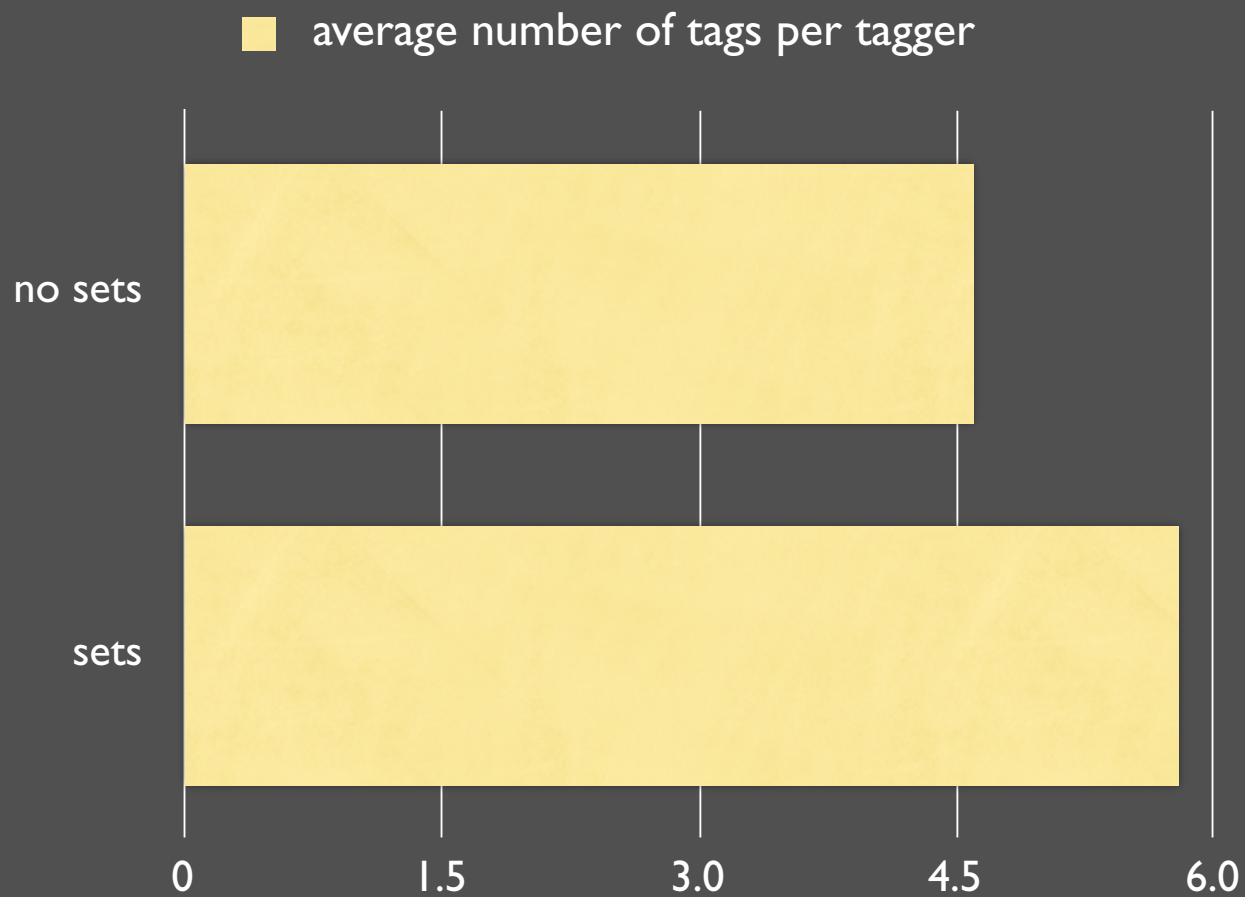
26 blacklisted terms

Very little misuse



Term Set I: Taggers are supplying more tags without metadata (avg 5.75) than with metadata (avg 4.5).

Term Set I: metadata vs. no metadata



Term Set I: Taggers are supplying far more tags with sets (6317 | 5.8 avg per user) than no sets (3882 | 4.6 per user).

Term Set I: sets vs. random

Steve Term Review

[Logout imaReview](#) | [Image index](#) | [Term index](#) | [Summary](#)

34 Terms

girls	thumbs up	thumbs down	neutral	happy	sad	question	plus
red dresses	thumbs up	thumbs down	neutral	happy	sad	question	plus
portraits	thumbs up	thumbs down	neutral	happy	sad	question	plus
portrait	thumbs up	thumbs down	neutral	happy	sad	question	plus
brass vase	thumbs up	thumbs down	neutral	happy	sad	question	plus
sisters	thumbs up	thumbs down	neutral	happy	sad	question	plus
embroidery	thumbs up	thumbs down	neutral	happy	sad	question	plus
pointillism	thumbs up	thumbs down	neutral	happy	sad	question	plus
double portrait	thumbs up	thumbs down	neutral	happy	sad	question	plus
moneyplant	thumbs up	thumbs down	neutral	happy	sad	question	plus
matching dresses	thumbs up	thumbs down	neutral	happy	sad	question	plus
Pointillist	thumbs up	thumbs down	neutral	happy	sad	question	plus
vase	thumbs up	thumbs down	neutral	happy	sad	question	plus
tablecloth	thumbs up	thumbs down	neutral	happy	sad	question	plus

« PREV

NEXT »



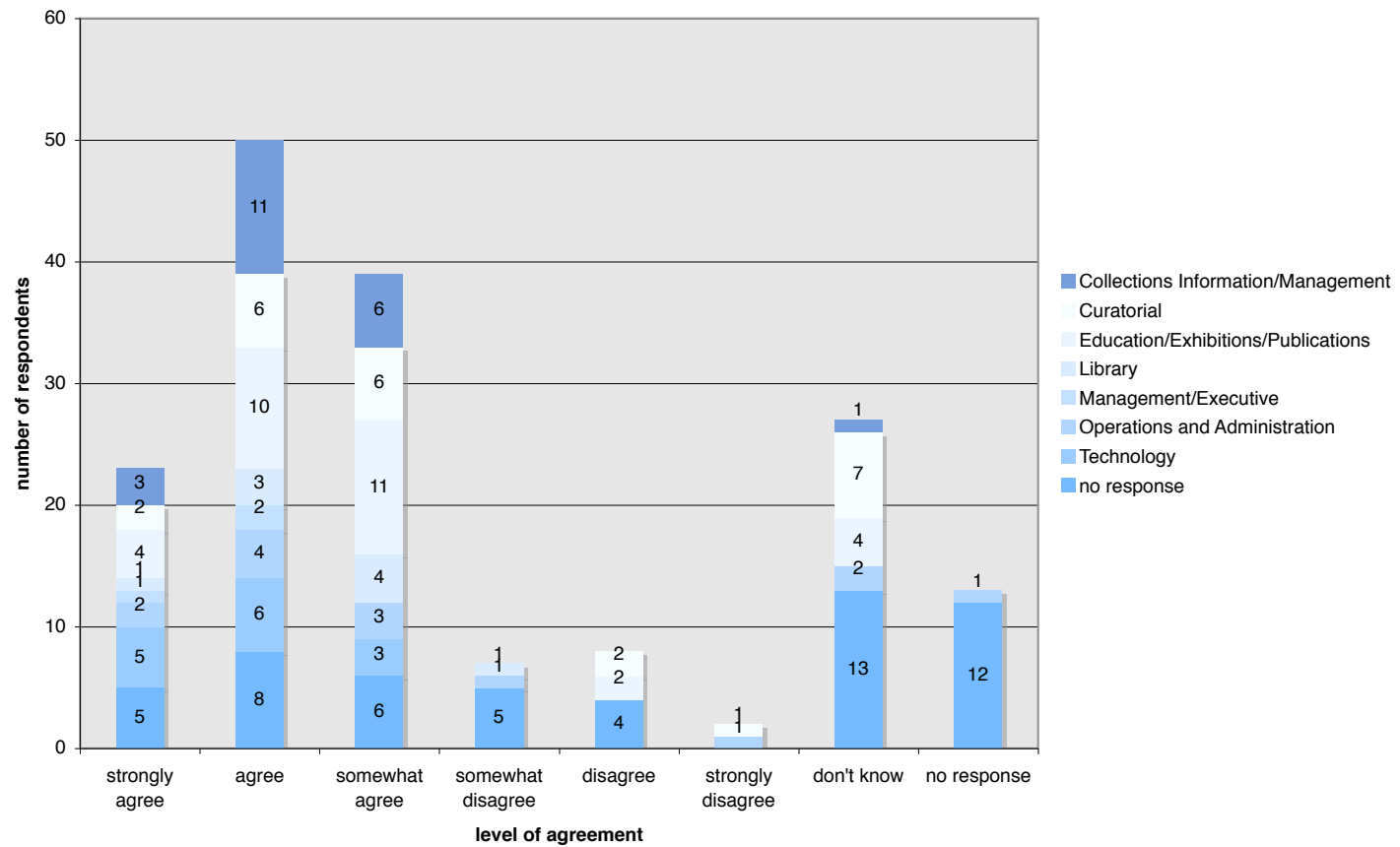
Term Review



- ✓ danger
- ✓ lost at sea
- ✓ likely to die
- ✓ storm
- ✓ sharks
- ✓ desperation
- ✗ rocky shore
- ✗ dolphins
- ?? David Hockney

Taggers supply useful terms

Museums could use social tagging : by role



attitudes to tagging

steve

early results

published reports at
<http://www.steve.museum>

or

<http://www.archimuse.com/research/steve.html>

<http://www.steve.museum>

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**Can we learn
from tagging?**

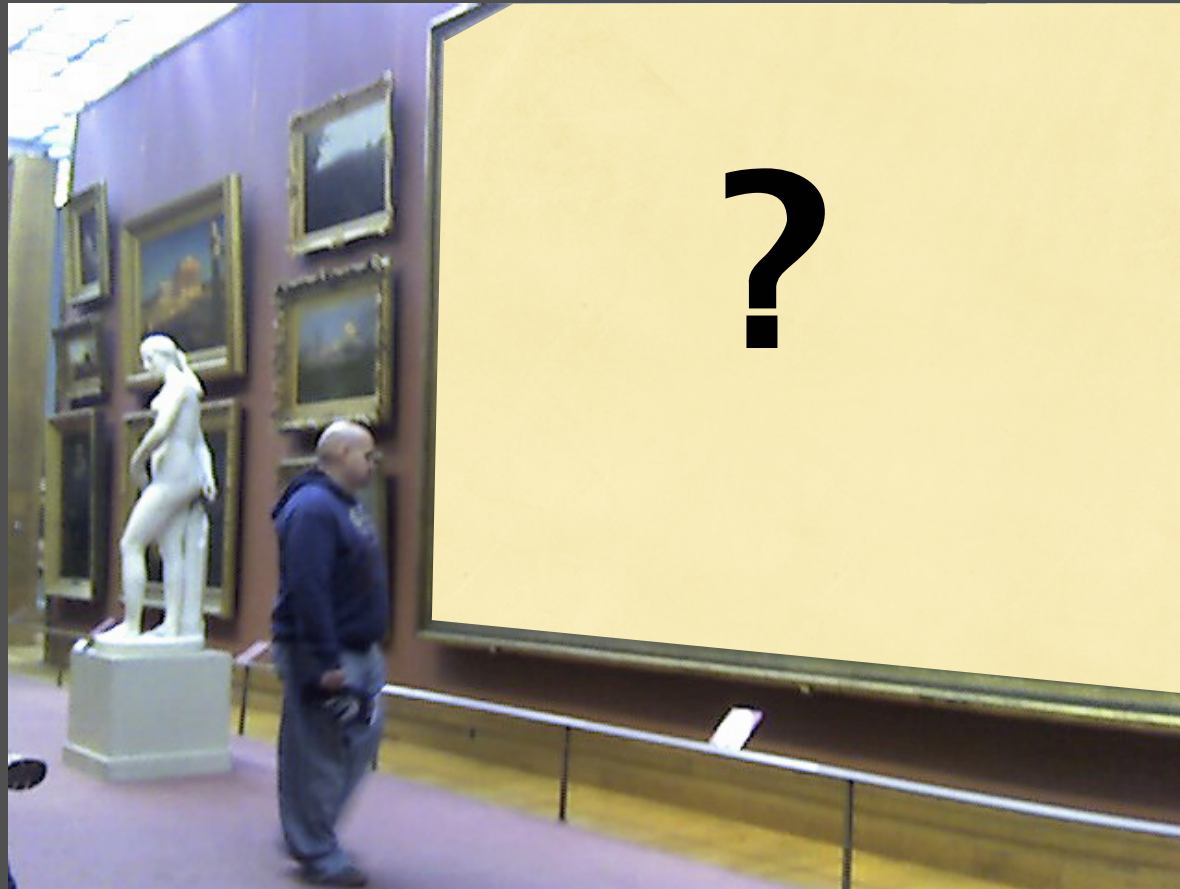
<http://www.steve.museum>

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Visitor Feedback

<http://www.steve.museum>



Visitor Interests

“when given the choice to comment on the exhibition or works with in it, nine out of ten people chose to comment on a specific piece.”

Bernstein, S., Where Do We Go From Here? Continuing with Web 2.0 at the Brooklyn Museum, in J. Trant and D. Bearman (eds.). Museums and the Web 2008: Proceedings, Toronto: Archives & Museum Informatics. Published March 5, 2008. Consulted March 20, 2008. <http://www.archimuse.com/mw2008/papers/bernstein/bernsteinhtml>

echoed by

Samis, P., Who Has The Responsibility For Saying What We See? Mashing up Museum, Artist, and Visitor Voices, On-site and On-line, in J. Trant and D. Bearman (eds.). Museums and the Web 2008: Proceedings, Toronto: Archives & Museum Informatics. Published March 5, 2008. Consulted March 20, 2008. <http://www.archimuse.com/mw2008/papers/samis/samis.html>

Point of Intersection

steve



Visitor Engagement

<http://www.steve.museum>

steve

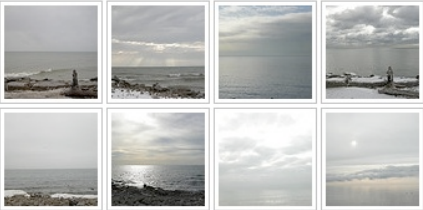
facebook
Search
Applications: Photos, Groups, Events, Hug Me, Dogbook, Causes
Advertise on Facebook
Live in the USA
The U.S. Government:
Equal Opportunity to all - 50,000 people will get a Green Card
Your country is eligible
Click here

Profile | edit | Friends | Networks | Inbox (3) | home | account | privacy | logout

**Jennifer Trant**
is in Taipei for the Taiwan National Digital Archive conference.
Updated on Sunday edit
Networks: University of Toronto Grad Student '07
Toronto, ON
Birthday: October 11

View My Friends (54)
Give a Beer to you
Wave at Jennifer
View your Dogs (1)
Get more Super Wall posts
Read My Latest Blog Post
Edit My Profile

I am online now.
University of Toronto Friends
My Pages
Dogbook
This is Jennifer's Dog. See All
Profile Box Control Panel
slate
-Pet-
-Write on wall-
ArtShare
Hand knitted tea cosy and handle cover.

Mini-Feed
Information
My Flickr
Flickr pictures by jtrant | Showing 8 randomly selected photos within the Beach Morning Walks Fall/Winter 2007/8 set

Refresh | Edit Pictures
Steve art tagger
Displaying latest art tagged
See All

you tagged: monochrome, black and white, organic
your friends tagged: flower, geometric
Tag this image

you tagged: wooden stand, fish, bowl
your friends tagged: nothing
Tag this image

profile.php?id=614406712" completed 10 of 11 items

Visitor Context: steve art tagger in Facebook

<http://www.steve.museum>

▼ Dogbook **×**

This is Jennifer's Dog. [See All](#)

Profile Box Control Panel



slate

-Pet-

-Write on wall-

▼ ArtShare **×**

Hand knitted tea cosy and handle cover.



ph: 86/1657 Tea cosy, knitted wool, maker unknown, Australia, 1955-1965

Visitor Contexts: different juxtapositions



Edward Hicks (American, 1780–1849), **Peaceable Kingdom**, ca. 1830–32
 Oil on canvas; 17 7/8 x 23 7/8 in. (45.4 x 60.6 cm)
 Gift of Edgar William and Bernice Chrysler Garbisch, 1970 (1970.283.1)
 The Metropolitan Museum of Art, New York

Co-existence

steve

Tag Art!

<http://tagger.steve.museum>

<http://www.steve.museum>

steve

Thank you

jtrant@archimuse.com

<http://www.archimuse.com>

<http://conference.archimuse.com/jtrants/>

<http://www.steve.museum>