

# **scholarly primitives revisited**

towards a practical taxonomy of digital  
humanities research activities and objects

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# TaDiRAH

Taxonomy of Digital Research Activities in the Humanities

DiRT + DARIAH

Tadirah the **Blue** Scorchio 

Google



**Neopet**



Tadirah has a Petpet!






**Slimer the Slorg**  
(1750 days and 9 hours old)



**Statistics**

**Owner:** Dinita ([toosweetnurse](#))

Tadirah likes **exploring the land**.  
When meeting others, Tadirah would **smile sweetly**.

- Attributes -	- Battledome Stats -
<b>Age:</b> 1,753 days old (42,088 hours) <b>Birthday:</b> 19th September (Y11) <b>Level:</b> 1 <b>Gender:</b> <b>Male</b> <b>Height:</b> 32 cms. <b>Weight:</b> 69 lbs.	<b>Hit Points:</b> 13 / 30 <b>Strength:</b> quite strong <b>Defence:</b> below average <b>Movement:</b> GREAT (22) <b>Intelligence:</b> clever
 <b>Fishing Skill:</b> 0	<b>Played:</b> 0 <b>Won:</b> 0 <b>Lost:</b> 0 <b>Drawn:</b> 0 <b>Score:</b> 0
 <b>Jobs Completed:</b> 0 <b>Jobs Failed:</b> 0 <b>Job Rank:</b> Intern	<b>Challenge Tadirah</b> in the <b>BATTLEDOME!</b> 

**Tadirah's rating:**  
★★★★★  
5 stars

neomail  owner  
visit pets  web page

<http://www.neopets.com/~Tadirah>

# background: aims

- pragmatic rather than theoretical
- facilitating discovery in directories
- balancing “correctness” with common practice



<https://www.flickr.com/photos/quinnanya/13479577605>

# background: DiRT & DARIAH-DE

- DARIAH-DE: developing a taxonomy to classify items in “Doing Digital Humanities” Zotero bibliography
- DiRT: rethinking longstanding ad-hoc categories



# sources: DARIAH-DE taxonomy

## **Capture and Creation**

- .. Scanning
- .. Data recognition
- .. Writing
- .. Programming
- .. etc

## **Enrichment**

- .. Encoding
- .. Annotating
- .. Modeling
- .. etc

## **Analysis**

- .. Stylometry
- .. Visualizing
- .. etc

## **Interpretation**

- .. Contextualizing
- .. Modeling
- .. etc

## **Dissemination and Storage**

- .. Publishing
- .. Identifying
- .. Managing access
- .. etc

## **Collaboration**

- .. Communicating
- .. Commenting
- .. etc

## **Digital Humanities Generally**

# sources: DiRT categories

Annotation (83)	Data conversion (47)	Staying current (10)
Authoring interactive works (38)	Data storage (24)	Task management (20)
Bibliographic management (30)	Image collections (22)	Text collections (34)
Bookmarking (16)	Image editing (35)	Text mining (67)
Brainstorming (22)	Linguistic research (36)	Tool development (29)
Collaborative editing (51)	Mapping (47)	Transcription (33)
Communication (27)	Organization (41)	Video (27)
Course management (12)	Publishing (63)	Visual search (30)
Data analysis (108)	Scholarly and social networking (43)	Visualization (95)
Data collection (63)	Search (29)	Web development (59)
	Standards (3)	Writing (33)

# sources: arts-humanties.net

## Communication and collaboration

- .. Audio interaction (asynchronous)
- .. Audio-visual interaction (synchronous)
- .. Graphical interaction (asynchronous)
- .. Resource sharing
- .. etc

## Data analysis

- .. Collation
- .. Collocating
- .. Content-based image retrieval
- .. etc

## Data capture

- .. 2d scanning and photography
- .. Remote sensing
- .. etc

## Data publishing and dissemination

- .. Collaborative publishing
- .. Disk publishing
- .. etc

## Data structuring and enhancement

- .. 2d modelling - raster
- .. Lemmatisation
- .. etc

## Practice-led research

- .. Audio mixing
- .. Photomontage
- .. etc

## Strategy and project management

- .. Human factors analysis
- .. Preservation
- .. etc

# structure and approach

## structure

- goals (short, closed list)
- methods (longer, closed list)
- research objects (open list)
- techniques as separate open list

## example: journal article

- "Optical Music Recognition of Early Typographic Prints using Hidden Markov Model  
Capture (goal)  
DataRecognition (method)  
Hidden-Markov-Models (technique)  
SheetMusic (object)



# community feedback

- workshops (Den Haag, DANS; Dublin, Trinity College)
- regular Skype calls
- **feedback-Phase I**
- revision
- **feedback-Phase II**
- release of v 0.5 via GitHub (February 2014)

The image displays a collage of screenshots from a research activity report. The main document is titled "Draft for Review: Summary of DSI Research Activities and Objects". It includes sections such as "Introduction", "The category being studied", "The research objectives", "Your feedback is needed", "Feedback-Phase I", "Feedback-Phase II", and "Release of v 0.5 via GitHub". The document is written in a formal, academic style. The screenshots are arranged in a grid-like pattern, with some overlapping. The background is a light gray color. The text is black, with some sections highlighted in yellow. The overall layout is clean and professional.

# community feedback

- over 100 comments in the open document(s)
- feedback via several e-mails
- e-mails of people eager to try it / use it
- terms; definitions; scope; missing items; unnecessary items, ...



Clifford Wulfman  
2:40 AM Sep 13, 2013

Transformation is a particular method of capture. What about "expressing existing artifacts in a digital representation"?



Joel Kalvesmaki  
5:36 PM Sep 17, 2013

or "...the activity of creating digital surrogates of existing cultural artefacts...."



Joel Kalvesmaki  
5:46 PM Sep 17, 2013

This covers visual media. What about audio? Are there any digital developments serving the other three senses that need to be anticipated?



Anonymous  
6:33 PM Sep 17, 2013

better: Digitization



Christof Schöch  
1:46 PM Oct 4, 2013

C&P: Scanning could be a subclass of CaptureGenerally

# application

## our own use cases:

- DiRT (Digital Research Tools) directory: <http://dirtdirectory.org/>
- Doing Digital Humanities – a DARIAH Bibliography: <https://www.zotero.org/groups/113737/>
- DARIAH Teaching Resources Registry: <https://de.dariah.eu/schulungsmaterial-sammlung>
- DHCommons project directory: <http://dhcommons.org/>
- (DARIAH-DE Website <https://portal-de.dariah.eu/> )

# application

## further requests:

- classification of in-kind contributions within DARIAH-EU
- DH Course Registry hosted by CLARIAH  
<http://dhcourserereg.hki.uni-koeln.de/>
- *Zeitschrift für Digital Humanities*  
<http://www.zfdh.de/>
- DHd-Blog <http://dhd-blog.org/>
- (...)

# future directions

- machine readable version (SKOS) using DARIAH infrastructure
- encourage usage
- periodic revisions
- multilingual versions (German / Spanish / French / ...)
  
- cooperation with NeDiMAH and DARIAH-EU
  - expression of work in digital arts and humanities
  - academic credibility
  - visibility

**thanks for your attention!**



<https://github.com/dhtaxonomy/TaDiRAH>