THE HOMER MULTITEXT

IMAAOC ALEA . hipipa 406-16 aroha hicalowaxishie ouropépher li perpiazagoio aggé 60h lesp. τορμασδή φτιμοιο τυχασιή δη τορο μαν συμ λίρ ο ο ον αυτοιο δο σχαρια τουχό λω μανημ οι ο μοι σι το το ασί. διοσχά σχά σο μονίκ. Boudhi janpa jandraghethe épioappe. Lidad of oog o eogh ebigist sahep pe handogai.

The research question:

Transmission and the Homeric Question

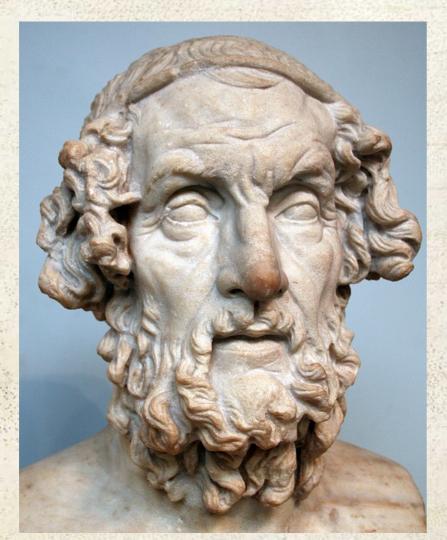


Image from Wikimedia Commons

- · who was "Homer"?
- textual criticism
- manuscript transmission
- an oral tradition

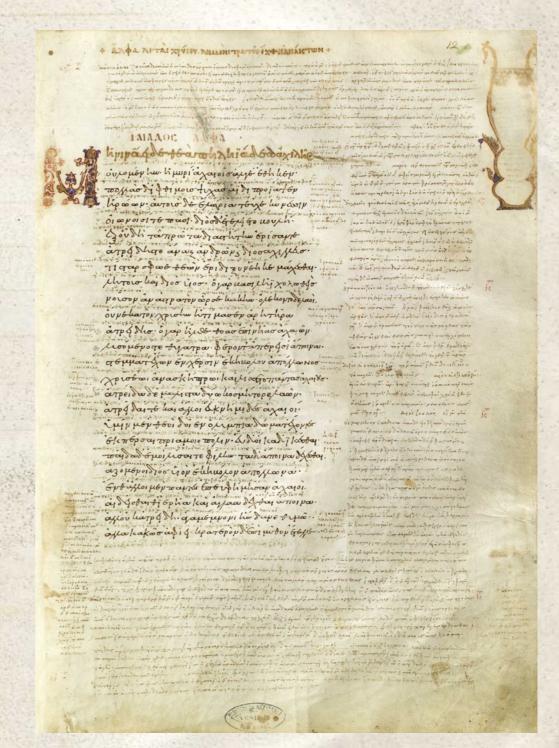
A proposed answer:

The Homer Multitext

Center for Hellenic Studies (Harvard University) http://www.homermultitext.org/

Representing Multiformity

- digital data
 - photography
 - diplomatic editions
 - related data
- open access
 - · CC BY-SA
- standards-based technology



The digital structure

CITE Architecture

- Collections, Indexes and Texts
- method of citing and linking discrete texts and objects
- Canonical Text Service URN for every text

urn:cts:greekLit:tlg0012.tlg001:1.10-1.20

Collection URN for every object

urn:cite:hmt:u4img.U4004RN-0007@0.46,0.3028,0.127,0.0323

- CITE Index links URNs with each other and other data
 - triples: nodes connected by arcs

CITE Architecture

- developed for the Homer Multitext project
- now used by many other projects, including Open Greek and Latin at Universität Leipzig

The digital data

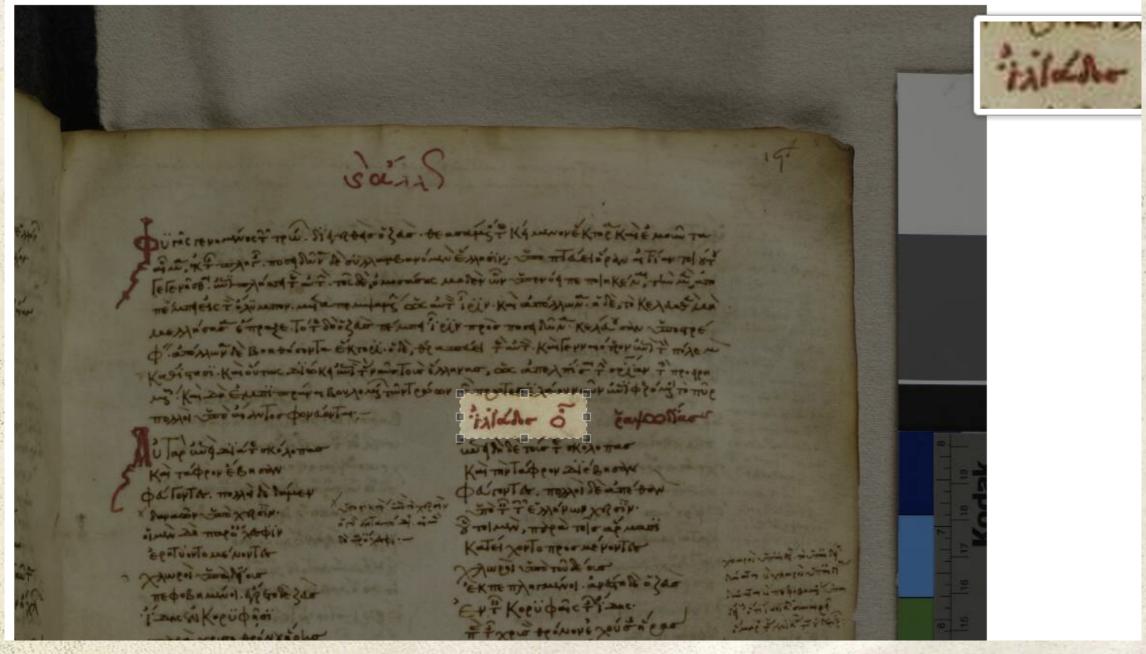
Image Citation

Image Citation Tool

Right-click here to copy URN

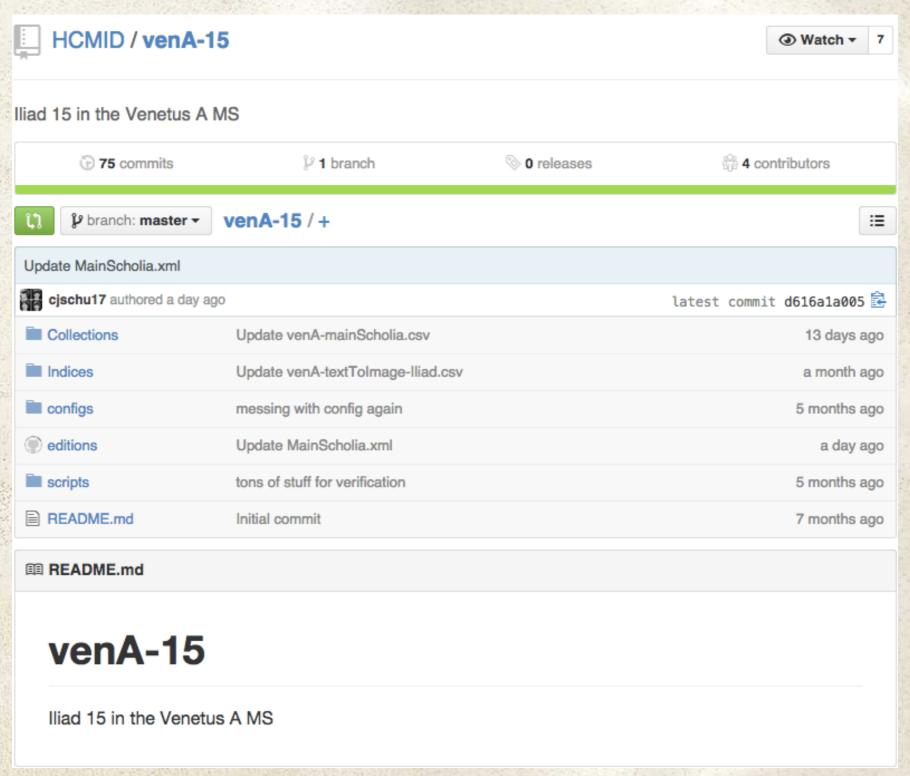
urn:cite:hmt:u4img.U4004RN-0007@0.458,0.3005,0.131,0.0353

Focus on Selection | See Selection | Selection in Context



http://www.homermultitext.org/hmt-digital/ict.html?urn=urn:cite:hmt:u4img.U4004RN-0007

Venetus A 15 in Github



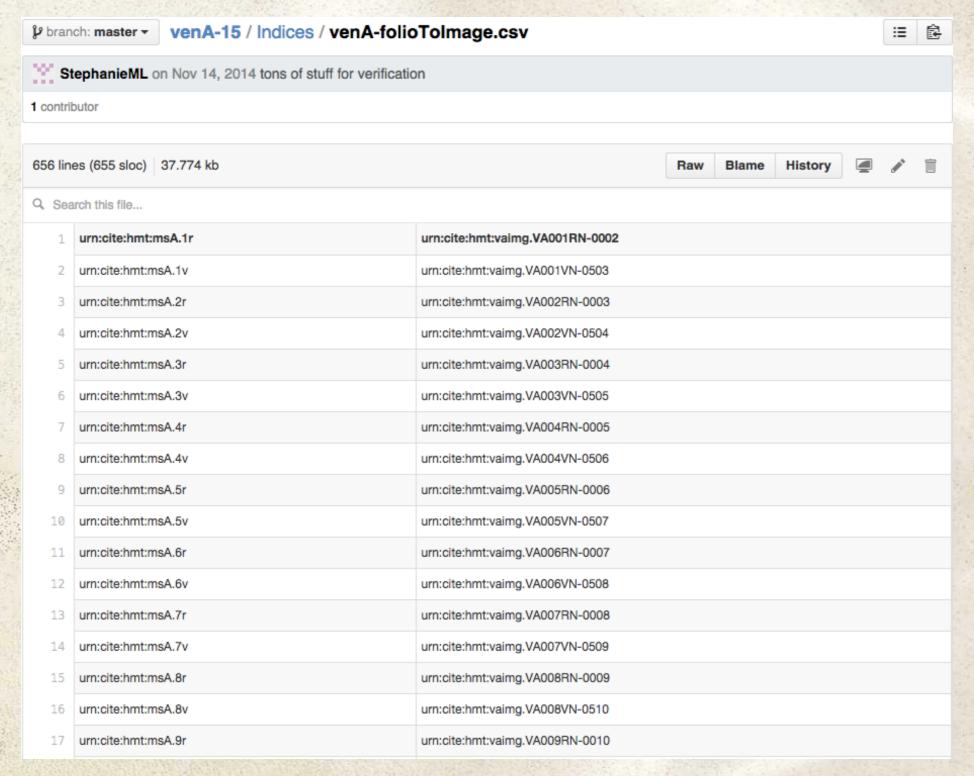
https://github.com/HCMID/venA-15

Venetus A 15 in Github

```
<?xml version="1.0" encoding="UTF-8"?>
     <?xml-model href="http://www.tei-c.org/release/xml/tei/custom/schema/relaxng/tei_all.rng" schematypens="http://relaxng.</pre>
     <?xml-stylesheet type="text/css" href="../../css/tei-iliad.css"?>
     <TEI xmlns="http://www.tei-c.org/ns/1.0">
       <teiHeader>
         <fileDesc>
           <titleStmt>
             <title>Iliad</title>
             <editor>Nikolas Churik</editor>
10
11
             <editor>Charlie Schufreider</editor>
           </titleStmt>
12
           <publicationStmt>
14
             Unpublished edition of the Venetus A manuscript for the Homer Multitext project
           </publicationStmt>
15
16
           <sourceDesc>
             Edited directly from photography of the manuscript
17
18
           </sourceDesc>
         </fileDesc>
19
       </teiHeader>
20
       <text>
21
22
         <body>
23
           <div n="15">
24
             <l n="1">Αὐτὰρ ἐπεὶ διά τε σκόλοπας καὶ τάφρον ἔβησαν</l>
             <l n="2">φεύγοντες. πολλοὶ δὲ δάμεν Δαναῶν ὑπο χερσὶν.</l>
25
26
             <l n="3">οί μὲν δὴ παρ' όχεσφιν ἐρητύοντο μένοντες</l>
             <l n="4">χλωροὶ ὑπαὶ δείους. πεφοβημένοι· ἔγρετο δὲ <persName n="urn:cite:hmt:pers.pers8"</p>
27
28
                 >Zεùc</persName></l>
             <l n="5"><placeName n="urn:cite:hmt:place.place89"> Ϊδης</placeName> ἐν κορυφῆσι. παρα
29
30
               χρυσοθρόνου <persName n="urn:cite:hmt:pers.pers116">"Ηρης</persName> · </l>
             <l n="6">στῆ δ' ἀρ ἀναΐξας· ῗδε δὲ <rs type="ethnic" n="urn:cite:hmt:place.place6"</li>
31
32
                 >Τρῶας</rs> καὶ <rs type="ethnic" n="urn:cite:hmt:place.place96">Äχαιοὺς</rs>.</l>
33
             <\ n="7">τοὺς μὲν ὀρινομένους. τοὺς δὲ κλονέοντας ὅπισθεν·</\></
34
             ="8"><rs type="ethnic" n="urn:cite:hmt:place.place114">Άργείους</rs>. μετὰ δέ σφι
35
                 <persName n="urn:cite:hmt:pers.pers47">Ποσειδάωνα</persName> ἄνακτα·</l>
             <l n="9"><persName n="urn:cite:hmt:pers.pers172"> Έκτορα</persName> δ' ἐν πεδίω ῗδε κείμενον
36
               άμφὶ δ' ἐταῖροι</l>
37
             <l n="10">εἵαθ'. ὁ δ' ἀργαλέω ἔγετ' ἄσθματι. κῆρ. ἀπινύσσων·</l>
38
             <l n="11">αἷμ' εμέων. ἐπεὶ οὕ μιν ἀφαυρότατος βάλ' <rs type="ethnic"</li>
39
                 n="urn:cite:hmt:place.place96">Aχαιῶν</rs>·</l>
40
             <l n="12">τὸν δὲ ῗδὼν ἐλέησε πατὴρ ἀνδρῶν τε θεῶν τε·</l>
41
             <l n="13">δεινὰ δ' ὑπόδρα ῗδὼν <persName n="urn:cite:hmt:pers.pers116">Ἡρην</persName> πρὸς
               μῦθον ἔειπεν·</l>
```

https://github.com/HCMID/venA-15

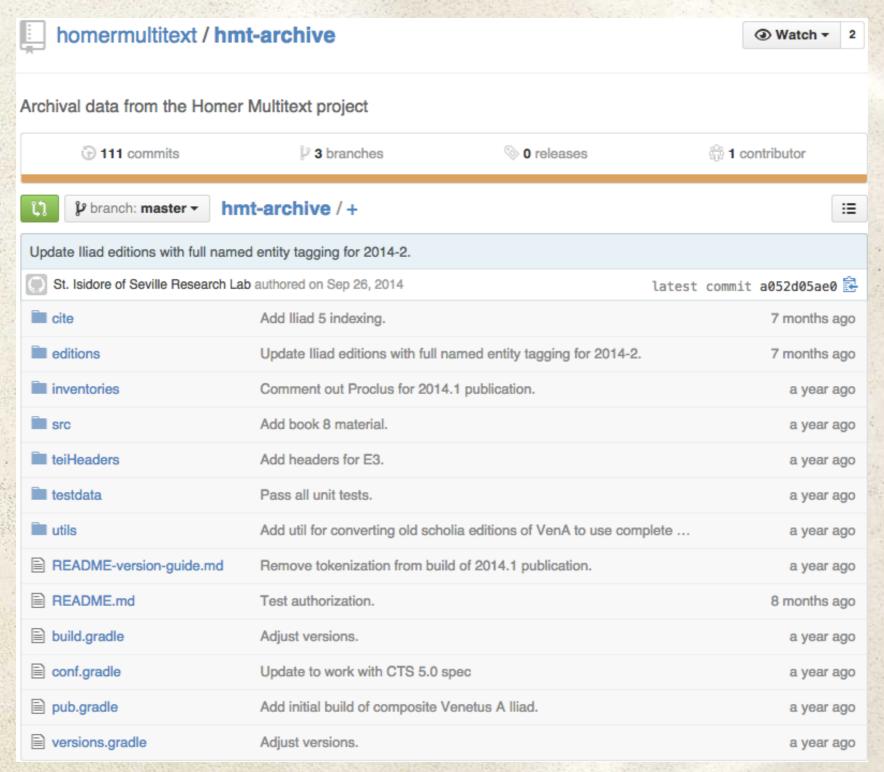
Venetus A 15 in Github



https://github.com/HCMID/venA-15

Publishing the data

HMT Archive



https://github.com/homermultitext/hmt-archive

Navigating the data

HMT Digital

Friday, August 1, 2014

First publication of software for HMT services

In February, we announced the first publication of the HMT project's archival data. Today, we are releasing the first published version of hmt-digital, a java servlet providing digital services for working with the project archive.

Version 1.0 is now installed at http://www.homermultitext.org/hmt-digital, where you can routinely expect to find the currently published services using the currently published version of the data archive. We continue to run a test site at http://beta.hpcc.uh.edu/tomcat/hmt-digital/. The test set normally runs in-progress versions of hmt-digital, and uses unpublished versions of our data archive.

Our software, like all the data in our archive, is openly licensed. If you'd prefer to run a local installation of the hmt-digital services, you'll find instructions on the README for the project's github repository.

Links

- HMT project installation of hmt-digital 1.0: http://www.homermultitext.org/hmt-digital
- github repository: https://github.com/homermultitext/hmt-digital

Posted by Neel Smith at 11:45 AM No comments:) **-**





http://homermultitext.blogspot.de/2014/08/first-publication-of-software-for-hmt.html

HMT Digital

Digital services from the Homer Multitext project

HMT: home | HMT Digital: home | browse MSS | scholia

Browse manuscripts

Start from MS page

Page URN urn:cite:hmt:msA.12r See facsimile

Start from *Iliad* line

book.line 1.1 See occurrences

Read scholia

Look up by full URN reference for *Iliad* passage (including MS)

Text passage URN urn:cts:greekLit:tlg0012.tlg001.msA:1.1 See texts

Other utilities

- See an automatically generated summary of archival material (with links to browse contents)
- · Look up material by URN

Software version: hmt-digital 1.0.1. Data set in this service: 2014.1 publication of the Homer Multitext project archive. citeservlet is free software developed by Christopher Blackwell and Neel Smith

http://www.homermultitext.org/hmt-digital/

The sources

Manuscripts and Papyri

- 7 mss currently available to the project
 - Venetus A
 - · Venetus B
 - · Y.I.I
 - · Ω.Ι.Ι2
 - Codex Bodmer 85
 - · Geneva MS Gr. 44
 - Marciana 841
- 1 sheet of papyrus
 - Bankes papyrus

A Large Corpus

- the Iliad contains:
 - 24 books
 - 15,693 lines
- in terms of pages:
 - Venetus B for example: 338 folia

Building a Community

Collaboration

- "Although the model for Homeric research is most often that of the individual genius working alone, we suggest that the kind of collaboration that is at the heart of the Multitext allows for a higher quality of research and analysis that can be accomplished in a more timely manner." (Ebbott and Dué 2009)
- list of collaborating institutions

Collaborators

- Multiple academic generations:
 - Professors and researchers
 - Graduate students
 - Undergraduate students



College of the Holy Cross

- Worcester, MA
- undergraduate, liberal arts college
- largest
 undergraduate
 classics program

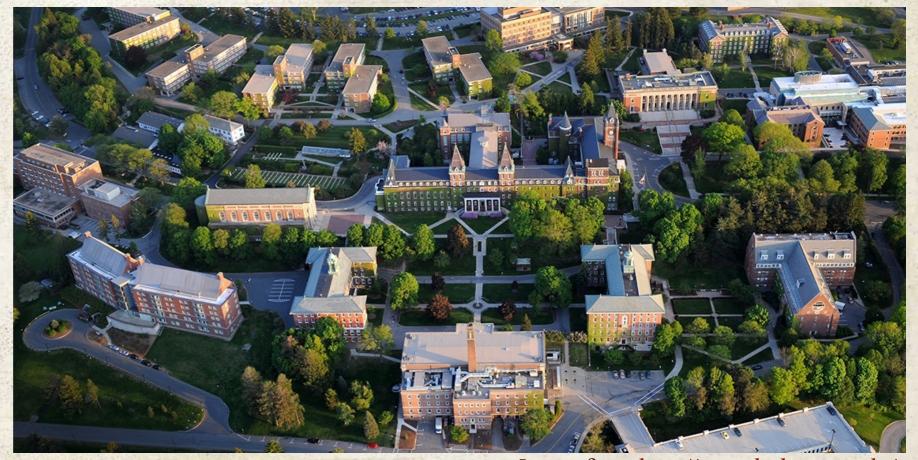
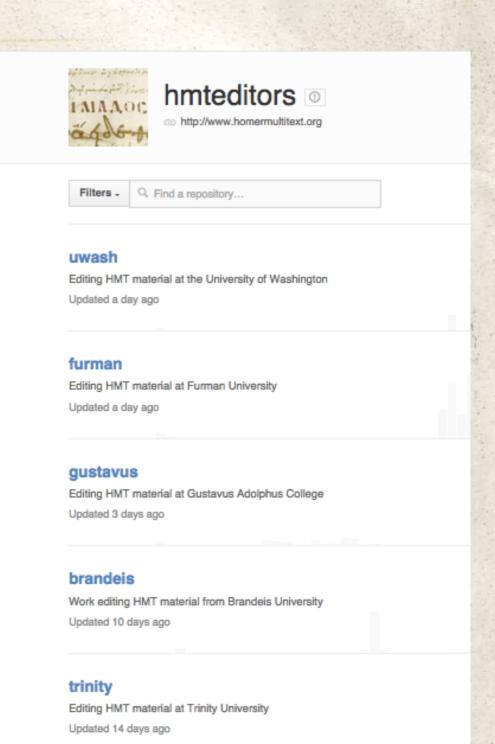


Image from http://www.holycross.edu/

Collaborators

- College of the Holy Cross
- Furman University
- Brandeis University
- University of Washington
- Trinity University in San Antonio
- Gustavus Adolphus College
- Universiteit Leiden



Supporting this Community

Organization

- Academic year
 - volunteers
 - student organizations
 - classes
- Summer
 - summer research programs
 - intercollegiate summer seminar

Workflows

- contributing to different parts of the project according to current skills
 - inventorying lines
 - creating composite images
 - identifying scholia
 - transcribing text
- git for managing multiple contributions from multiple editors

Github and Classics Data

Monday, March 31, 2014

Got git?

Over the past several years, github (https://github.com/) has emerged as the primary site for sharing openly licensed software. More recently, it has begun to assume a comparably important role in sharing openly licensed data; from the perspective of the Homer Multitext project, it's tempting to say that you can have "as many githubs as you please." (For a few examples of open datasets on github ranging from wedding invitations to arrangements of organ accompaniment for Gregorian chant, see this recent article.)

While the Homer Multitext project has relied on publicly available version control systems for years, and has specifically used the git version control system since 2012, we have only recently taken advantage of github's option to group repositories by organization. To simplify the task of following the varied work in progress connected with the HMT, we have created two github organizations, homermultitext and cite-architecture.

- Repositories for the HMT data archive and digital services of the Homer Multitext project belong to the homermultitext organization. See http://homermultitext.github.io/.
- 2. The CITE architecture is a generic architecture for working with citable scholarly data. It was originally developed specifically for the Homer Multitext project, and underpins all the digital work on HMT. See links to its repositories at http://cite-architecture.github.io/.

If you are new to version control in general or git in particular, you can probably find local expertise on your college or university campus; a little googling for help will certainly turn up an embarrassment of riches.

Christopher Blackwell and Neel Smith, project architects

Posted by Neel Smith at 6:14 PM 3 comments:







P E F @ 8+1 Recommend this on Google

Labels: github, version control

Resources

- · guides actively produced and updated by contributors
 - paleographic guides
 - style guides
 - XML guides
- workshops scheduled at the start of the semester
- more experienced editors present for answering questions
 - in person
 - email
 - Google discussion group
 - Hangout

Verification

· human:

- groups checking each other's work
- stylesheets to produce useful displays

· automated:

- Github confirms valid CSV structure
- Oxygen confirms valid XML structure
- Gradle confirms data is properly structured when building the RDF graph
- Concordion

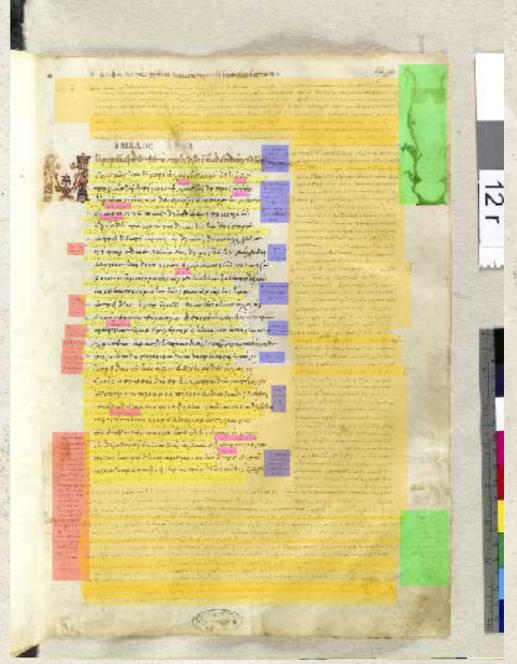
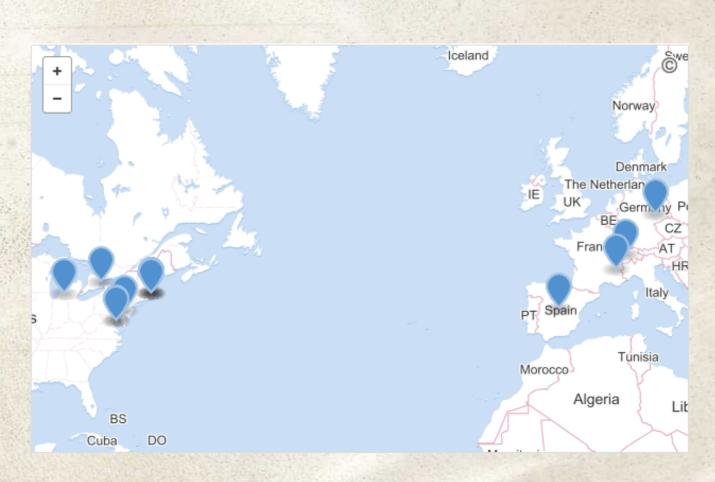


Image from the Homer Multitext Blog: http://
homermultitext.blogspot.de/2012/07/verifying-inventory-of-scholia.html">http://

Contributor Benefits

Takeaways

- casual publications
 - Homer Multitext Blog: http://homermultitext.blogspot.com
- more formal presentations and publications
- experience with
 - research
 - Greek
 - paleography
 - codicology
 - · etc.



Related Projects

HC's Manuscripts, Inscriptions, and Documents Club

- website: http://hcmid.github.io/
- ongoing projects:
 - Homer Multitext
 - Latin epigraphy
 - Greek epigraphy
 - Jerome
 - · Archimedes / Greek math
- open community not limited to classics majors

Manuscripts Challenge

- a part of HC's Classics Day
- challenge posed to high school students

NCIPIT EXPOSITIOSIZUIL. DESE TO LIBRO LENEL OTVS QUIDE VIRGILINS SCIENTIA PLENVS EST Inhoclibro posside principatum. Cuius exhomero parf maior & et dicuntur aliqua fimplici-multa debifeoria mutapal Tam ferenciam philosophoru theologicorum regiparii. rdeo utpleriq de fingulahu tuf libri incograf feripferine pragmatias. Sane sciendum lica primor duos ucrsus probi ex lu inquina relinquorine fine prudoner adinimum vi ce translatos Nam & cunto poematis melior & abomerus diam sicin choaut wegataakkaxan. Classia Aut fuse naus quae classif. ut inprimo dixim dic TAE. ANOTON KAAWN. I de alignif. unde horatus me uel extremos numidarii inagros classe relegal dut omnui qua eus cursum fecuntur palinuri enim inpla officium do quo supra st. Adhunc Mucursii ctendere



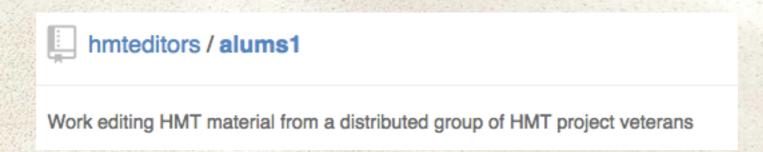




VadSlg Ms. 307

Looking forward

Great for future researchers



- several contributors have gone on to grad school
- · some remain involved in HMT or related projects

But not only for researchers

- secondary education
- law school
- medical school
- libraries
- museums
- seminary
- · etc.

Potential Projects

Thank you!