

Towards a Publication and Research Infrastructure for the Humanities

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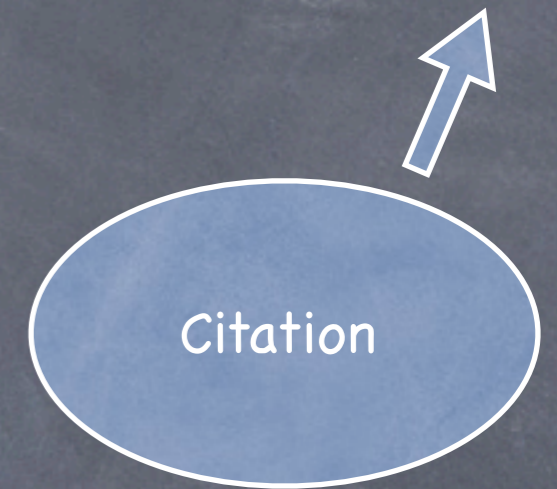
Infrastructure

a well-coordinated system of
buildings, equipment, objects,
services, procedures,
administrative structures,
conceptual models, etc.

infra = under / between

Tradictional Infrastructure

Logical Structure



Organizational Structure

- Scholarly**: discipline, peer review; impact factor.
- Legal/Economic**: market, copyright.
- Political**: institutions that finance and organize the research

Phyisical Structure

- Objects**: manuscripts, books, images, sound and video recordings...
- Work stations**: archives, libraries, universities, academies...
- People**: archivists, librarians, teachers, researchers, technicians...
- Dissemination**: publishers, distributors, bookstores.
- Financig**: public or private.

Traditional Infrastructure

Problems

- Access to primary sources and distribution of scholarly publications.
- The larger the infrastructure, the less cooperative, cumulative, and cost-efficient is the research.
- The misuse, by some publishers, of peer review and copyright for the purposes of financial gain (publishing monopoly, etc.).

Traditional Infrastructure

+ Computer and Internet

- Lexical analysis, concordance, thesauri
-> Computational linguistics (new discipline).
- PC and word processing programs: digital texts remain on the margins of the system.
- Googlization of the system.

Knowledge Becomes Information

Search Engine



Digitized text or image

Wikipedia

Wikipedia

WIKIPEDIA

English
The Free Encyclopedia
1 193 000+ articles

Deutsch
Die freie Enzyklopädie
415 000+ Artikel

Français
L'encyclopédie libre
306 000+ articles

日本語
フリー百科事典
223 000+ 記事

Svenska
Den fria encyklopedin
167 000+ artiklar

Português
A enciclopédia livre
147 000+ artigos

Español
La enciclopedia libre
126 000+ artículos

Polski
Wolna Encyklopedia
242 000+ haseł

Nederlands
De vrije encyclopedie
206 000+ artikelen

Italiano
L'enciclopedia libera
166 000+ voci

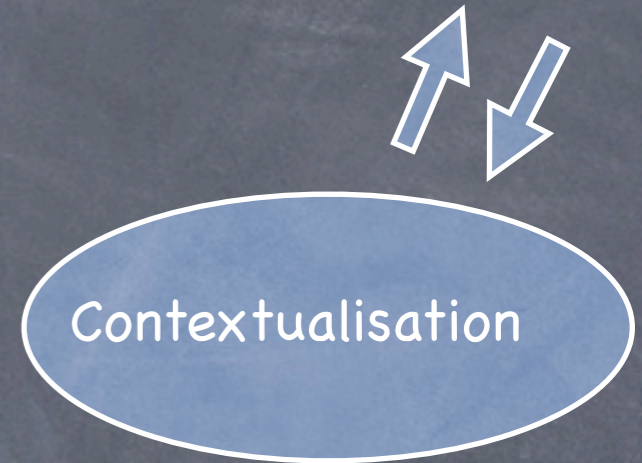


search • suche • rechercher • szukaj • 検索 • zoeken • sök •
ricerca • busca • buscar

English >

Hyper-Infrastructure

Upper
Ontology



Organizational
Structure

- Scholarly:** Scholarly communities, peer review; e-impact.
- Legal/Economic:** Open Source in the humanities, copyleft.
- Political:** Institutions that finance and organize the research.

Phyisical
Structure

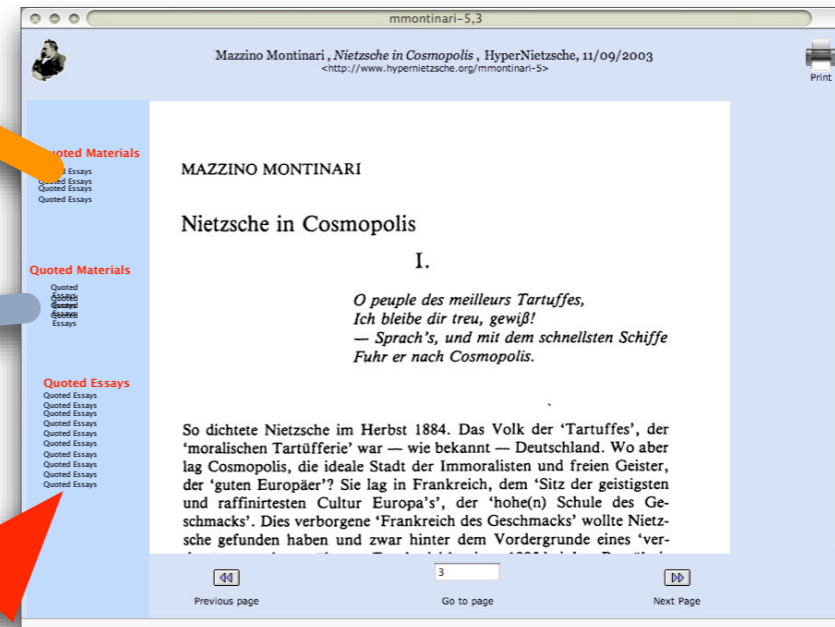
- Objects:** files.
- Work Stations:** Computers & Softwares: HyperFederation, Hyperplatforms, HyperJournals, Discovery...
- People:** archivists, librarians, teachers, researchers, technicians...
- Dissemination:** Internet.
- Financing:** public or private.

Primary Sources



Dynamic Contextualisation

Essay



Quoted Essays

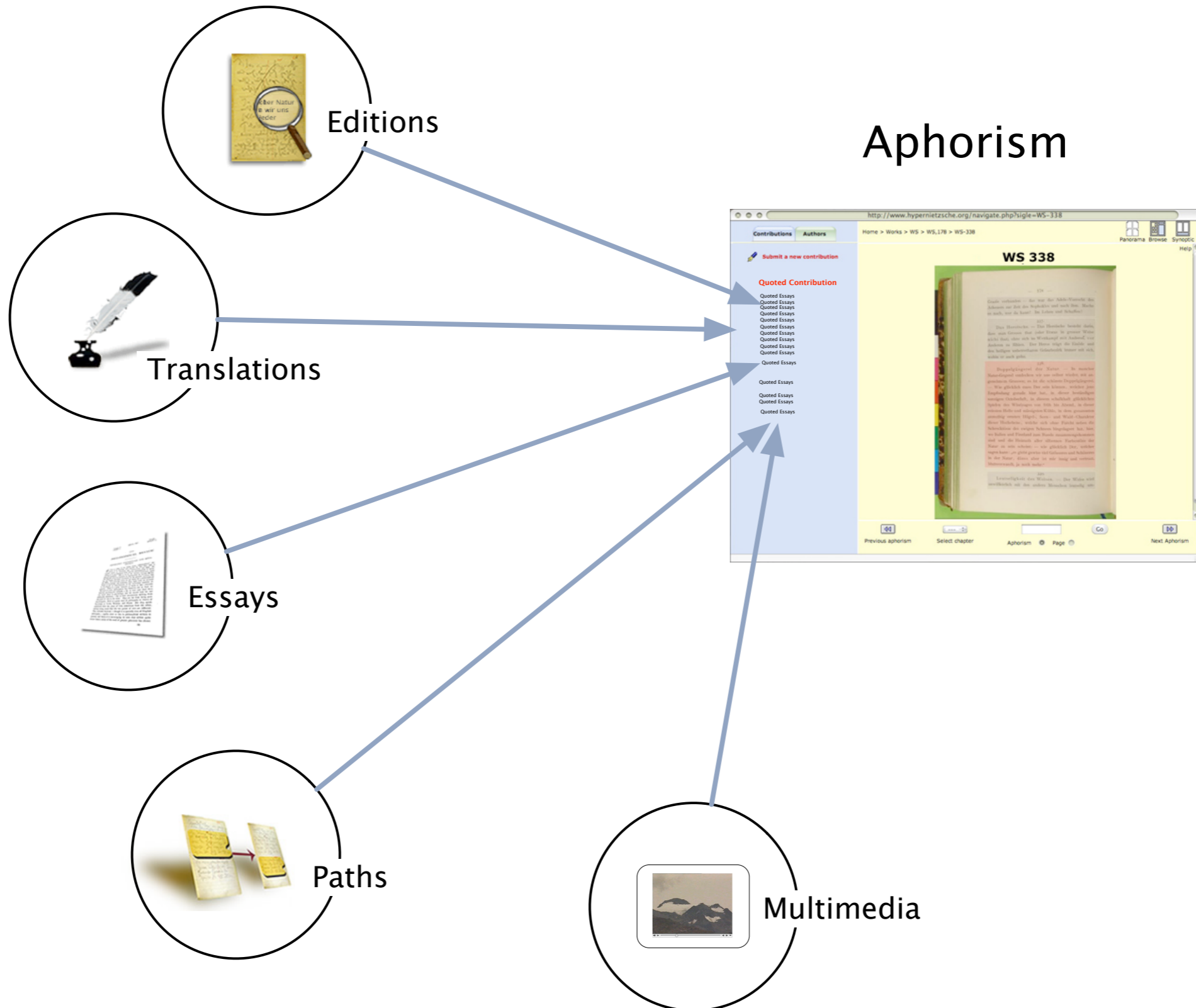


Quoting Essays



Dynamic Contextualisation

Quoting Contributions



Aphorism

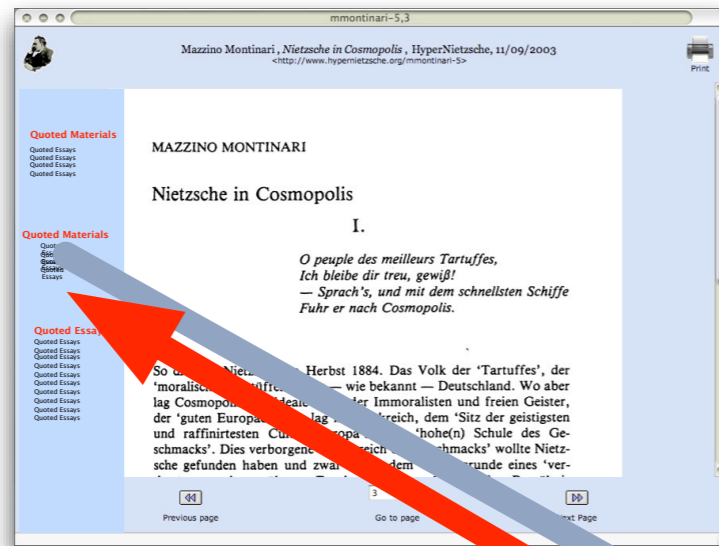
Hyper Markup Language

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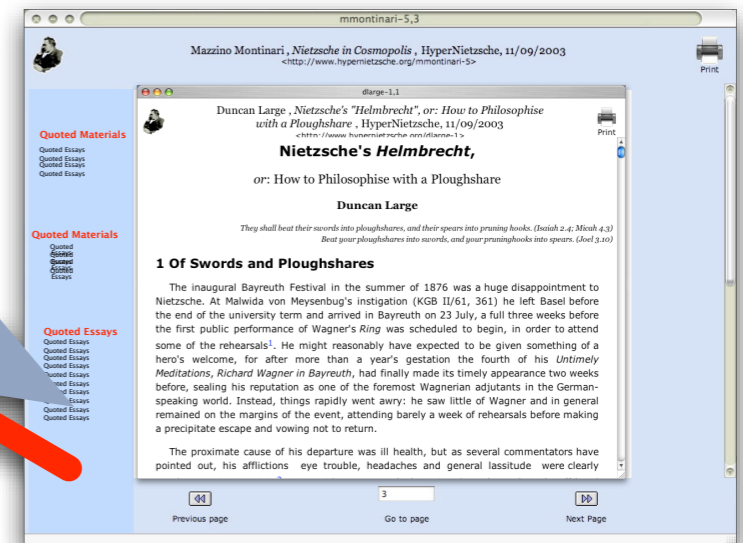
Bidirectional Links

Essay A quotes B

Quoted Essays



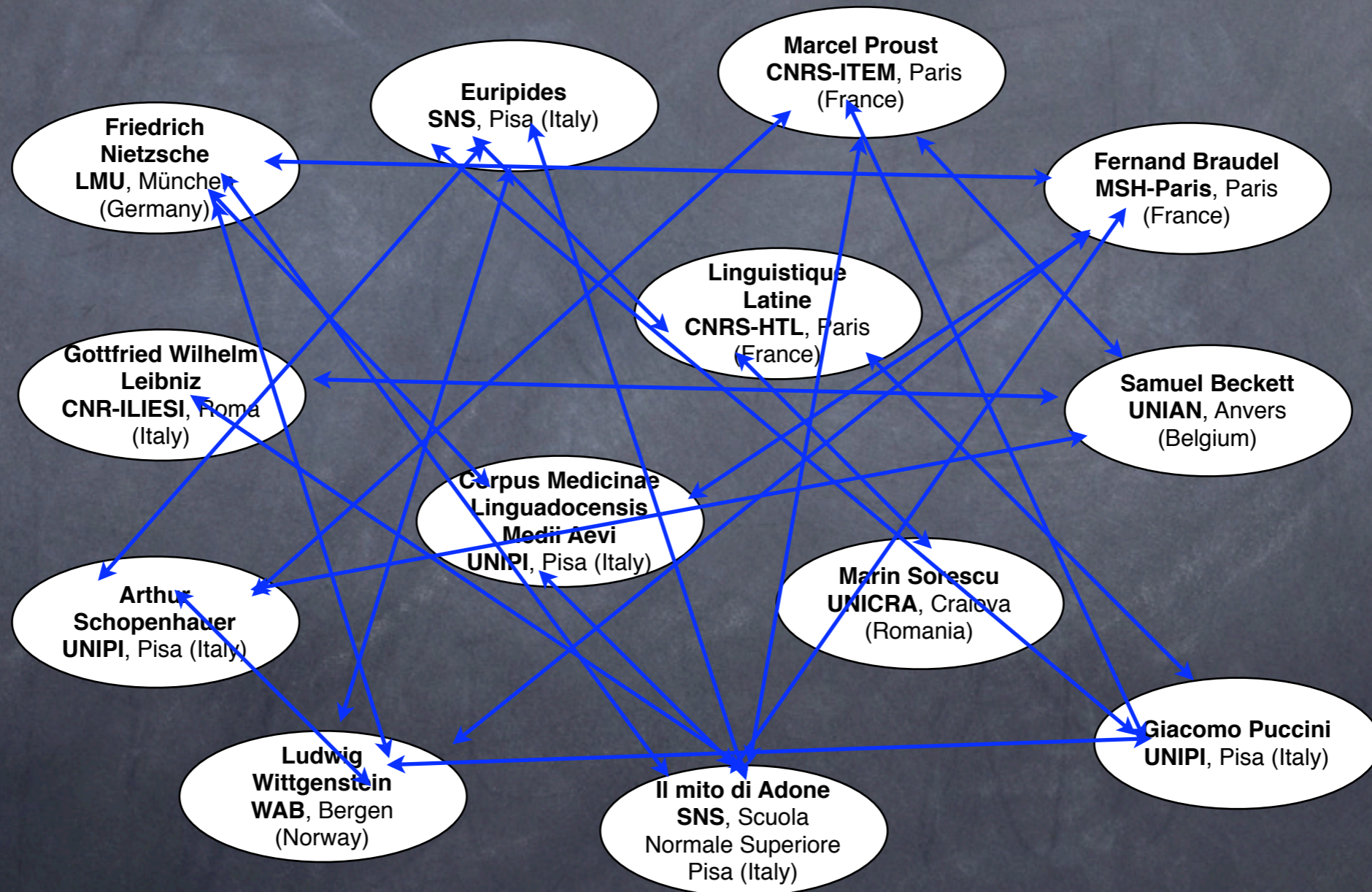
Quoting Essays



Essay B is quoted by A

HyperNetwork

p2p **scalable semantic** Network





“Dahin wirken, dass alles Gute Gemeingut werde und den Freien Alles frei stehe”

“To work towards making all good things part of the common good and all things free to those who are free”

Friedrich Nietzsche