

Images as resources: persistent links and parameters

Robert Casties
MPI für Wissenschaftsgeschichte

why do we need stable URLs?

- HTML, PDF, etc documents are out there
- set references into web apps
- Google

What is referenced?

- a book
- a page of a book
- a single image, photo, painting
- a part on an image
- a region inside an image
-
- the user decides

Digital images at the MPIWG

- currently ~2 million files
- scanned books
- maps
- artifacts

A digilib URL

- `http://echo.mpiwg-berlin.mpg.de/zogilib_maps?fn=/permanent/echo/lueneburg/Ebsto_1293/pageimg-04&pn=1&wx=0.3758&wy=0.2307&ww=0.1914&wh=0.1538&mk=0.4872/0.2984`
- host part
- directory name
- filename
- zoom region
- mark

Stabilisation schemes

- handle system
 - no standard browser support (yet)
- single central server
 - not really feasible
- central redirection service
 - web proxy
 - could support handle as well

A stable digilib URL

- `http://pid.mpg.de/
id/kajhfieuggg783682grfu7623trguj?
pn=1&
wx=0.3758&wy=0.2307&ww=0.1914&wh=0.1538&
mk=0.4872/0.2984`
- part PID
- part parameters

Elements of a PID service

- required
 - easy registration of new PIDs
 - easy update of target URLs
 - passing parameters
- nice to have
 - load balancing of target URLs
 - backup target URLs