



DAM-LR: MPI Local Prototype

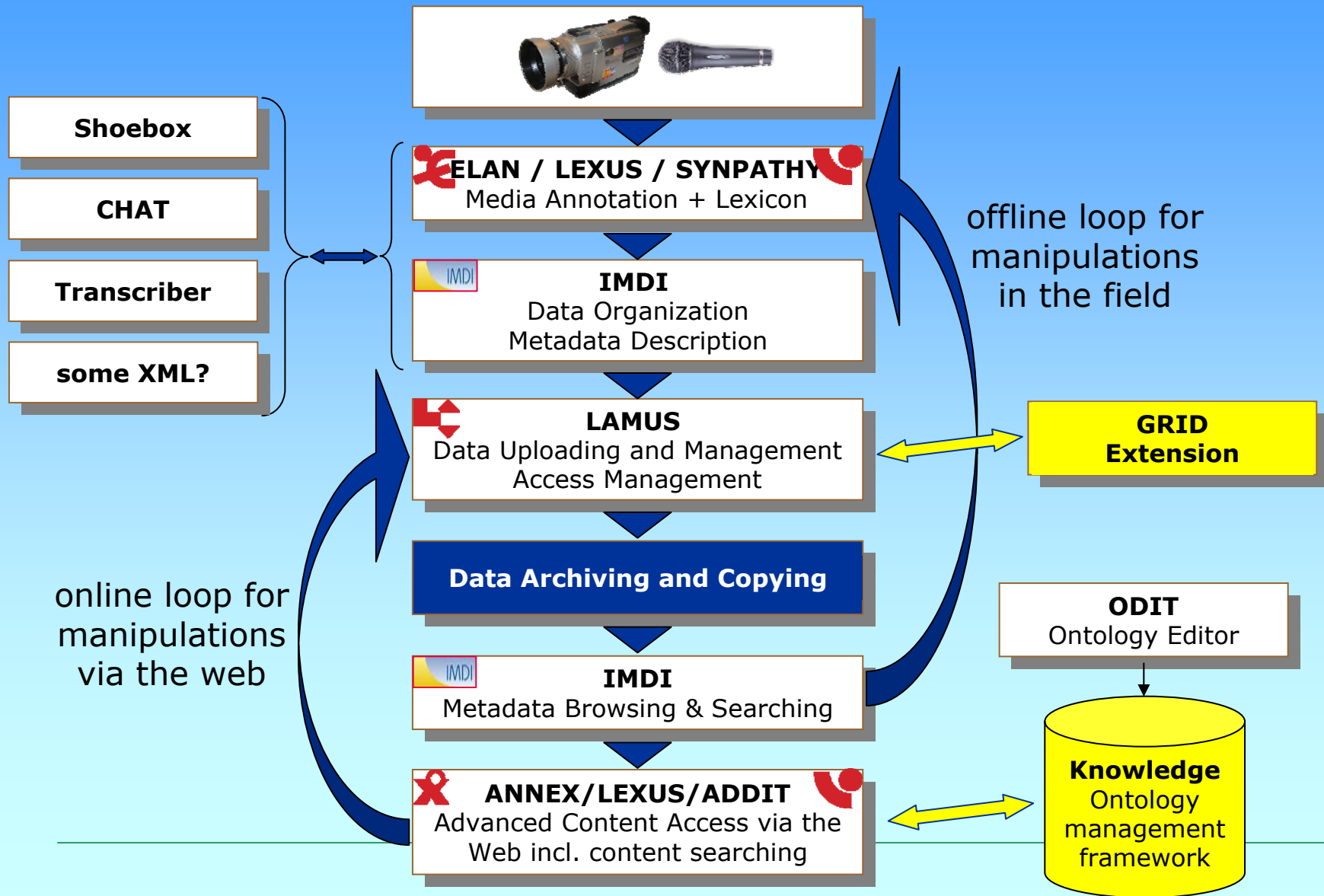


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MPI for Psycholinguistics

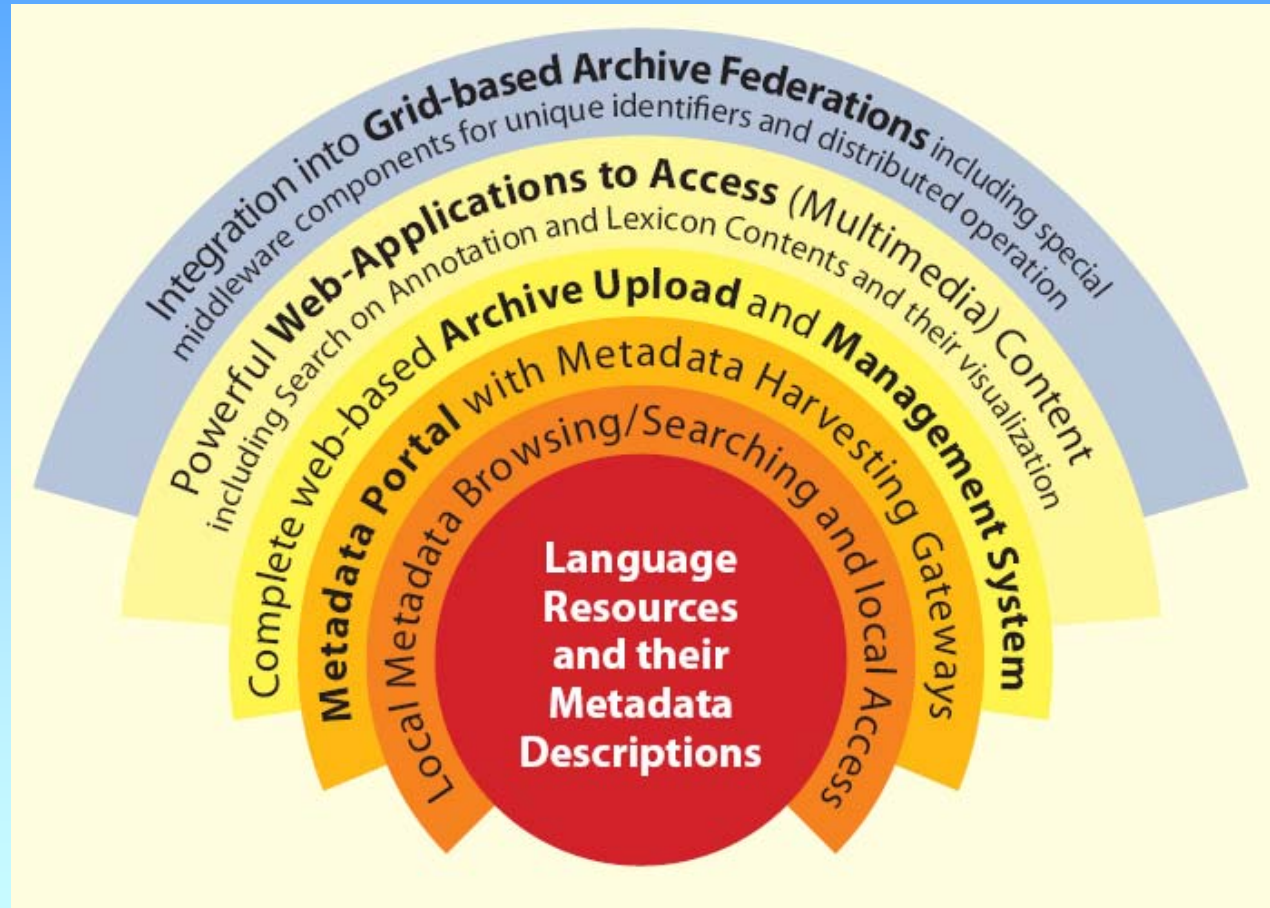


complete solution





from notebook to server



you can start on a notebook

create your own small repository

and then upload it to a server

all is immediately accessible via the web



points – metadata / physical layer



- metadata based on schema -> flexible IMDI schema
 - currently one of the most flexible and powerful frameworks
 - editor, structured/unstructured search
 - includes URL, internal URID and external URID
 - harvesting based on XML and OAI PMH
 - gateways to Dublin Core/OLAC
 - harvestable as XML and via OAI PMH
 - easy IMDI portal creation
- physical layer completely independent from logical layer
 - 7 copies created dynamically (long term preservation)
 - physical addresses transparent to user (URIDs)
 - easy copying of sub-collections (IMDI Based)
 - format control on archivable formats



points – ingesting resources/access management



- ingesting resources via LAMUS / IMDI
 - LAMUS is the gate keeper to control upload
 - workspace mechanism for users – even externals
 - configurable file type check + format checks (complex resources missing)
 - upload of sub-trees, resources and linking of them
 - versioning in progress
- access management system ready - but complex
 - selection metadata based – rights physically based
 - support of policies definition (CoC, usage declaration etc)
 - request handling system in progress
 - different domains of authority – delegation of rights
 - web-based operation



points – archive management/summary



- copying/moving all maintaining consistency, i.e., modifying URID records
 - checking archive consistency with modular spider
 - automatic generation of presentation versions (MPEG4, MP3, etc)
 - statistics (not completely done)
-
- MPI has a stable archiving framework all based on open formats!
 - compliant to OAIS and Live Archives
 - tested at various other institutions (Iquitos, etc)
 - still code stabilization and improvements necessary (AMS – conflicting commands, statistics, versioning, ??)



DAM-LR: MPI Archive Formation



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enormous growth



- MPI archive grew in 2006 from 15 TB to 25 TB
 - extension by factor 1.7 ! in one year
 - all MD described and “nicely” ordered
 - all checked on consistency and format coherence
- only possible due to web-based ingestion
- only due to stable archiving system
- only due to several digitization lines and efficient workflows
- offered capacity for external researchers/projects
- in 2005 and 2006 much investments in server/storage/network
 - in 2006 a completely new tape library with max 1.2 PB
- lot of work – much more invested than expected