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DARIAH in a nutshell

- Research Infrastructure for Humanities
- Taking down walls between resources
 - In different countries
 - Across Disciplines
- Foster collaboration, exchange, innovation in e-Humanities



CESSDA in a nutshell

- Research Infrastructure for the Social Sciences
- Enabling efficient & international exchange of



- Qualitative data
- Foster collaboration, exchange of ideas & innovation in e-Social Science

ICT vision

- ICT is core of both DARIAH & CESSDA
- Aspects:
 - Interconnection and Interchange
 - On-line Analysis and Data-mining (semantic web)
 - Preservation of data
 - On-line collaboration in research
 - AAA and Single Sign-On
 - Harmonization of unstructured data

ICT requirements

- For both CESSDA & DARIAH:
 - On-site & Distributed data
 - Permanent Storage of
 - Datasets (varying between 1 MB to several GB)
 - A/V Material (collections up to several TB)
 - Interconnecting sources all over Europe, the US and Australia
 - Single Sign-on, *Very* fine-grained AAA
 - User community encompasses entire AH&SS field
 - Compute needs: unclear for now

Current Status & Timeline

- DARIAH & CESSDA are both Preparatory
- Main Deliverables:
 - Prototypes & Demonstrators
 - Architecture Diagrams
 - Organizational Structure & Legal Framework
- Both DARIAH and CESSDA will deliver an architecture / design
 - CESSDA: February 2010
 - DARIAH: August 2010 (possible extension)

Challenges and Suggestions

- Federated AAA
 - Is federation feasible?
 - Can Auto/Auth be fine-grained enough?
- Distributed storage and exchange
 - Can OAI-ORE provide a solution?

Challenges and Suggestions

- Both DARIAH & CESSDA recognize the potential of HPC, grids and EU networks
- Things we're looking for:
 - Platform independent UI-stack
 - Fine-grained and User Friendly AAA
 - File manipulation, discovery and retrieval
 - Metadata storage
 - Search functionality
 - Guaranteed Durable Storage