# **Trusted Digital Repositories**

Definition & Tools
Ina Smith



## What is a "Trusted Digital Repository"?

"A trusted digital repository is one whose mission is to provide **reliable**, **long-term access** to managed digital resources to its designated community, now and in the future."

(RLG-OCLC Report 2002)



### A TDR must ...

- Accept responsibility for long-term maintenance of digital resources
- Organizational system that supports longterm viability of repository & digital material
- Demonstrate fiscal responsibility & sustainability
- Commonly accepted conventions & standards to ensure ongoing management, access, security

## A TDR must ... (cont.)

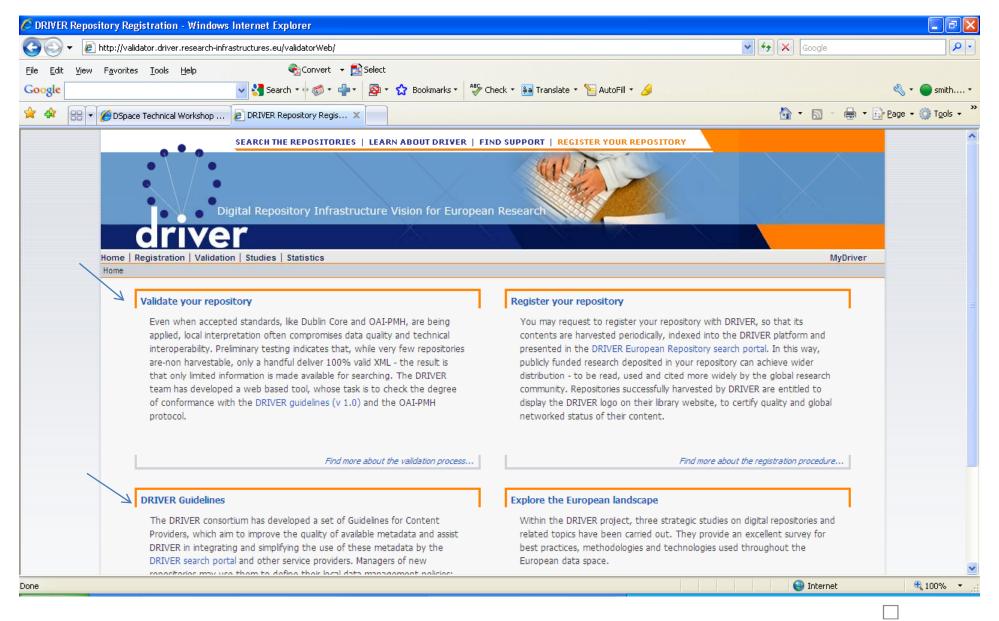
- Methodologies for system evaluation
- Policies, practices, performance that can be audited and measured
- A TDR is a well managed repository ...

(RLG-OCLC Report 2002)



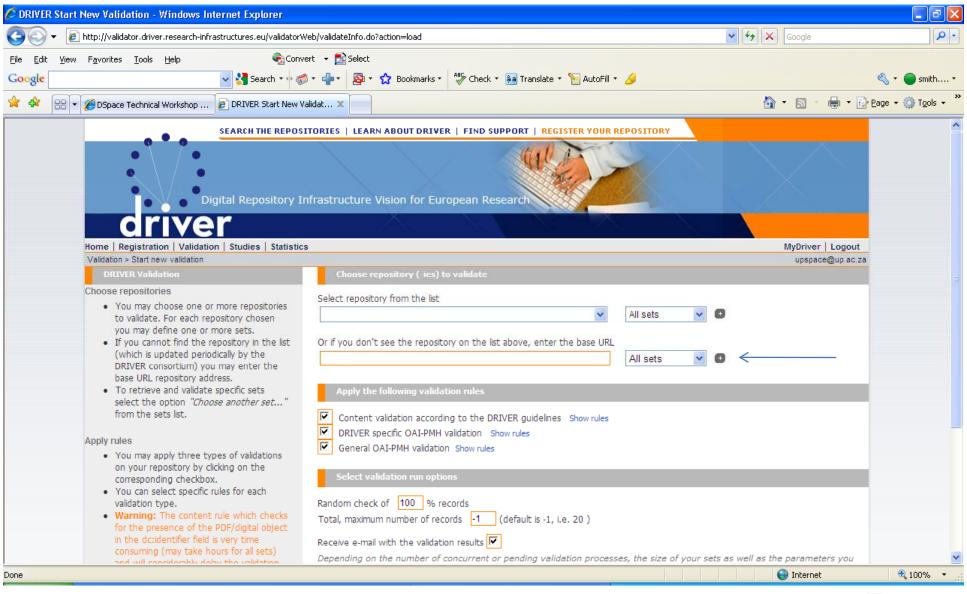
# Validation, Auditing & Risk Assessment Tools





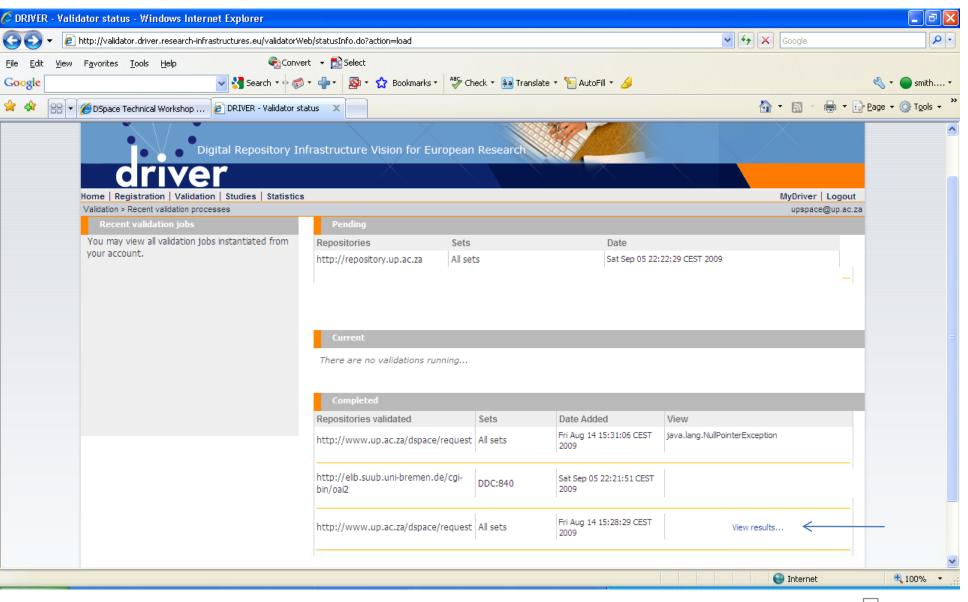
http://validator.driver.research-infrastructures.eu/validatorWeb/



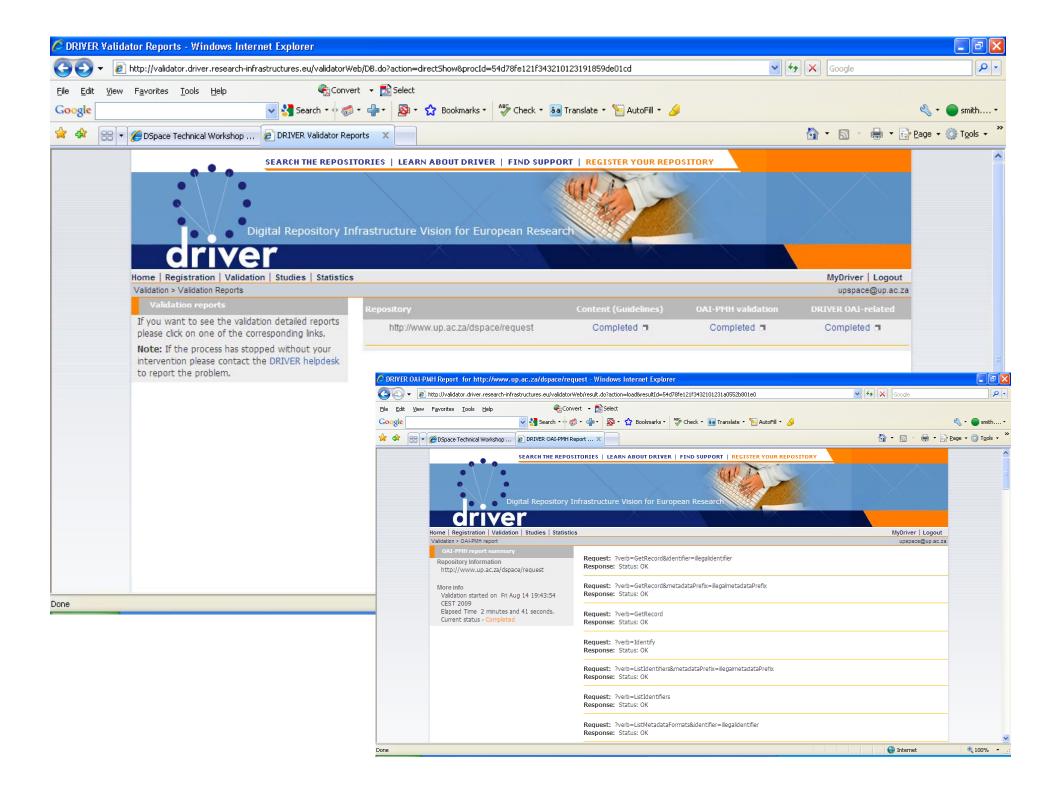


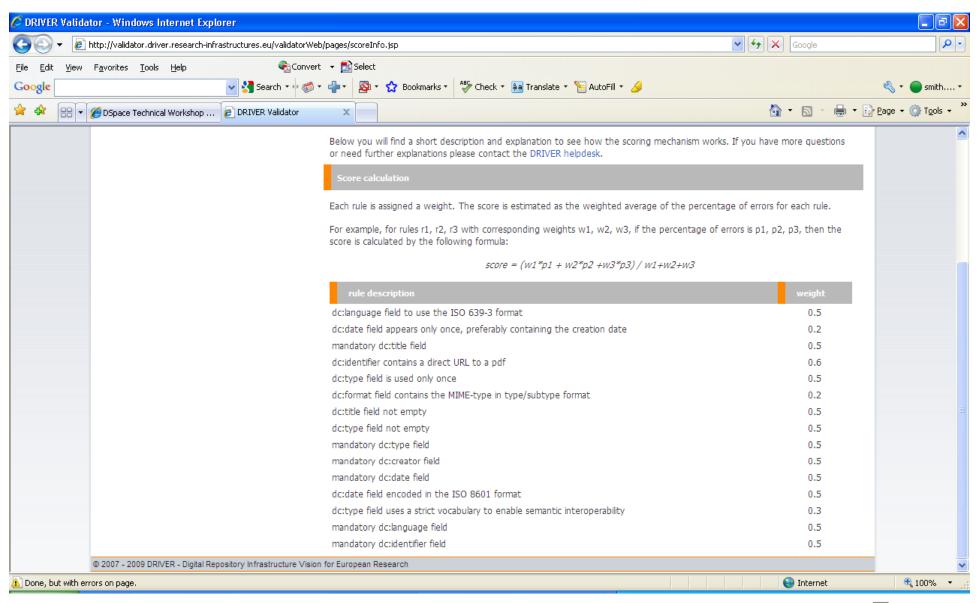
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UP Score = 80/100





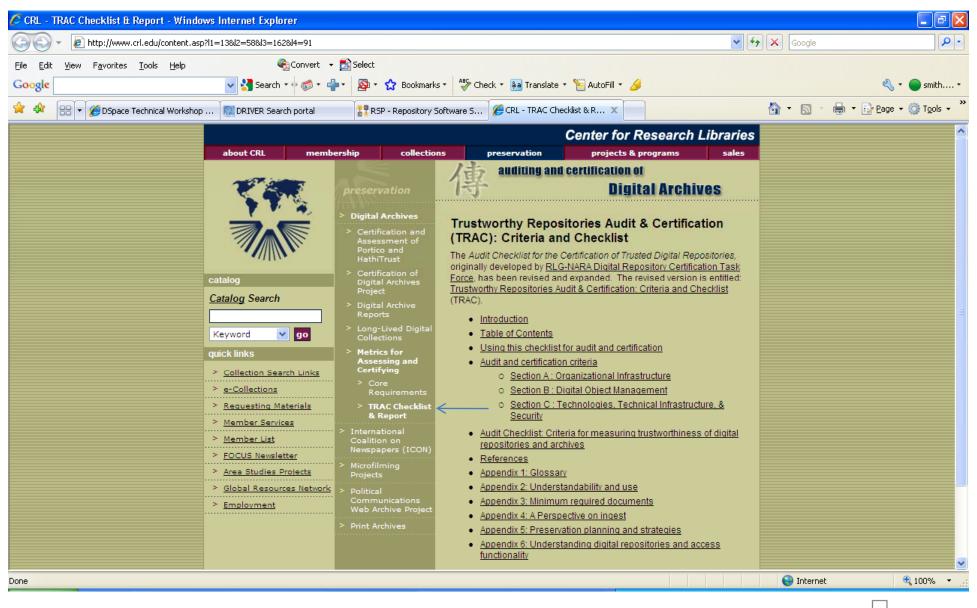
#### **DRIVER Guidelines 2.0**

Guidelines for content providers - Exposing textual resources with OAI-PMH

http://www.driver-support.eu/documents/DRIVER\_Guidelines\_v2\_Final\_2008-11-13.pdf

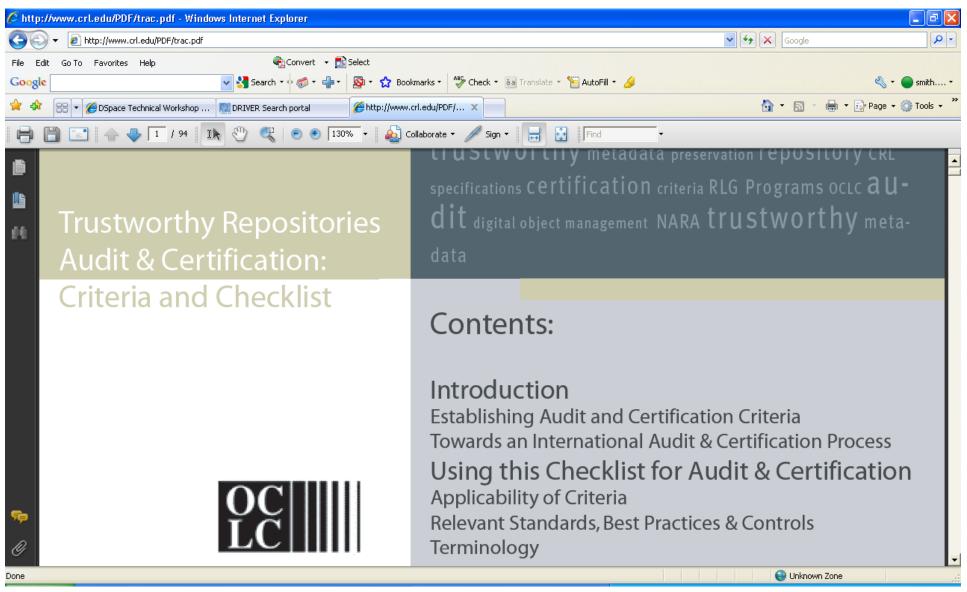






http://www.crl.edu/content.asp?l1=13&l2=58&l3=162&l4=91





http://www.crl.edu/PDF/trac.pdf



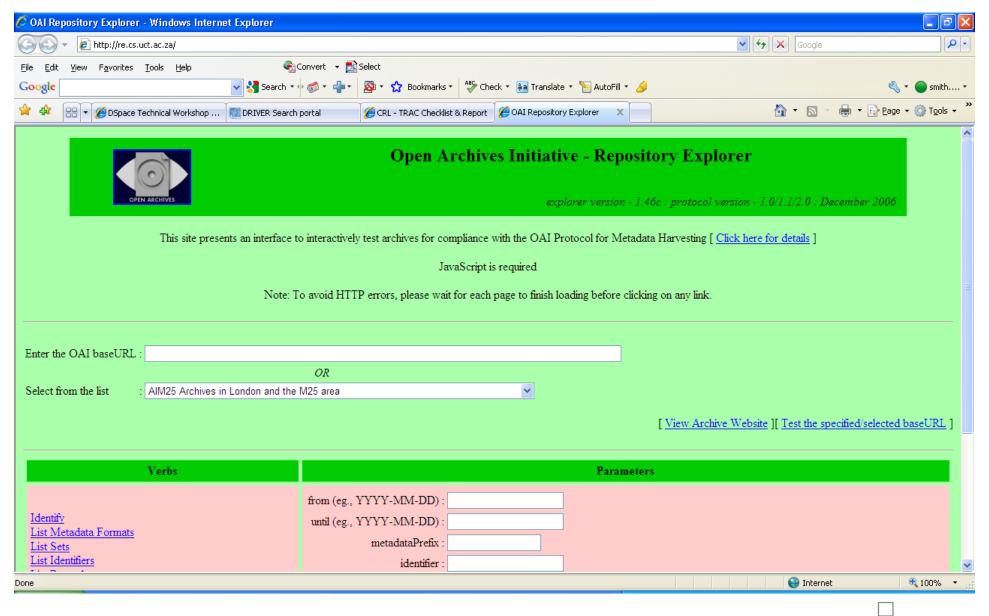


http://www.repositoryaudit.eu/



- <u>NESTOR catalogue</u> NESTOR is the German agency assigned to the task of auditing and certifying digital archives in Germany. <a href="http://www.langzeitarchivierung.de/">http://www.langzeitarchivierung.de/</a>
- <u>Digital Asset Assessment Tool (DAAT) Project</u> University of London Computer Centre's assessment of the risk factors which may affect survival of digital assets <a href="http://www.ulcc.ac.uk/uploads/media/Assessment">http://www.ulcc.ac.uk/uploads/media/Assessment</a> of Risk Factors.doc
- <u>DINI certification criteria</u> Deutsche Initiative für Netzwerkinformation (German Initiative for Networked Information.) For more information see <a href="http://www.dini.de/">http://www.dini.de/</a>
- Automated Assessment Tools
   <u>IBM Research's Long Term Digital Preservation (LTDP) Automated Assessment</u>
   LTDP is an automated tool developed by IBM for assessing the maturity level of Long-Term Digital Preservation archives. The tool is based on TRAC criteria <a href="http://www.haifa.il.ibm.com/projects/storage/datastores/ltdp.html">http://www.haifa.il.ibm.com/projects/storage/datastores/ltdp.html</a>
- Standardization Efforts
   Moims-rac (MOIMS-Repository Audit and Certification BOF)





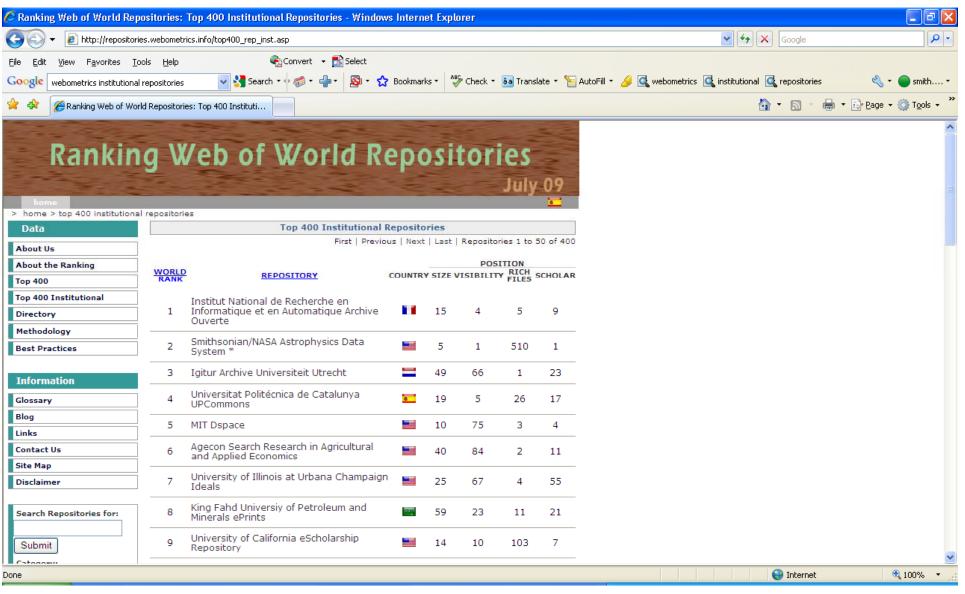
http://re.cs.uct.ac.za/





http://repositories.webometrics.info/







## Webometrics best practises

- URL naming
- Contents: Create
- Contents: Convert
- Interlinking
- Language (English)
- Rich & media files
- Search engine friendly designs
- Popularity & statistics
- Archiving & persistence
- Descriptive metatags



## References

• Trusted Digital Repositories: Attributes and Responsibilities. An RLG-OCLC Report. 2002.

