Rosetta Working Group Open Meeting and Rosetta Product Update

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What is Digital Preservation?

- Limited time digital information is usable
- Limited understanding context of data

3D Digital Engineering Drawings

3D digital engineering models produced as part of building or engineering design processes. The production of such drawings has progressed from a digital analogue of paper to complex digital environments such as BIM (Building Information Modelling) which combine original drawings, libraries of compound objects, and links to external data sets such as about the performance of materials and maintenance of parts.

Group: Engineering

Added to List: 2017

Trend in 2021:

↑ Towards greater risk

Trend in 2022:

➡ No Change

Consensus Decision

Previous classification: Endangered

Imminence of Action

Action is recommended within three years, detailed assessment within one year.

Significance of Loss

The loss of tools, data or services within this group would impact on many people and sectors.

Effort to Preserve

It would require a major effort to address losses in this group, possibly requiring the development of new preservation tools or techniques.

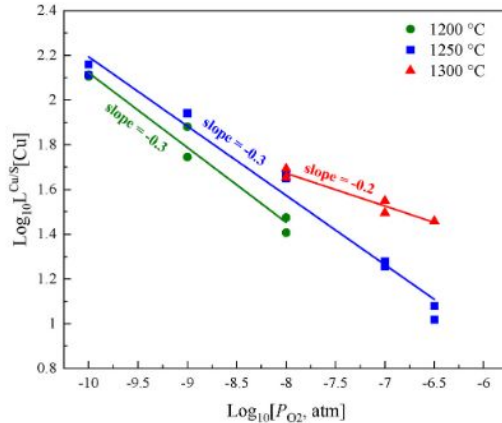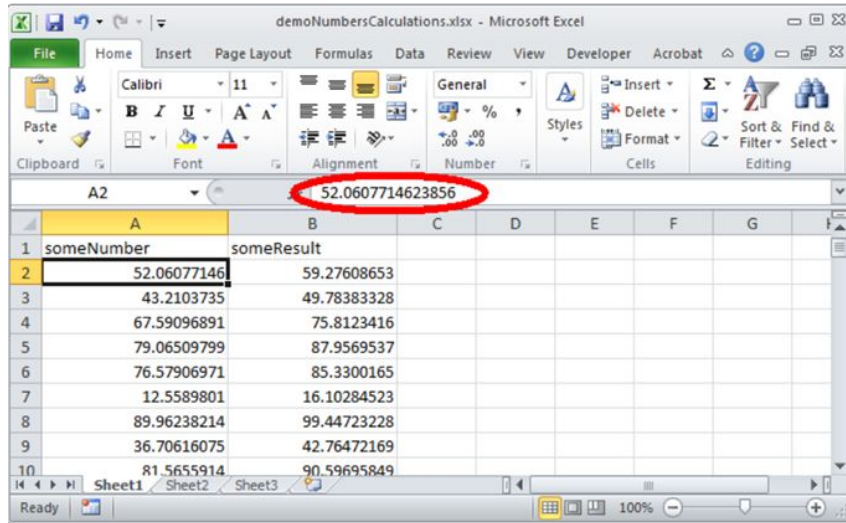DPC: bit list of endangered digital species

Fig. 6. Distribution coefficient of copper between metal and magnetite/wüstite saturated iron silicate slags at 1200, 1250 and 1300 °C as a function of P_{O2}.

Distribution coefficient of Cu between metal and molten slag			
T/°C	Log10[PO2, atm]	Sample	Log10LCu/S[Cu]
1200	-8	CE-13	1,47
1200	-8	CE-34	1,41
1200	-9	CE-15	1,75
1200	-9	CE-33	1,88
1200	-10	CE-23	2,11
1200	-10	CE-32	2,11

http://resolver.kb.nl/resolve?urn=urn:nbn:nl:kb-1654068740352

Why digital preservation?

- Preserve the information for the future generation
- The information needs to be provable reliable and authentic
- The custodial organisation is accountable for preserving this information

To PDF

someNumber	someResult
52.06077146	59.27608653
43.2103735	49.78383328
67.59096891	75.8123416
79.06509799	87.9569537
76.57906971	85.3300165
12.5589801	16.10284523
89.96238214	99.44723228

PDF/A as a preferred, sustainable format for spreadsheets?

Why Rosetta?

- Support for Digital Preservation actions

For example file format migration

Why Rosetta?

- Example context information
- Example of accountable to preserve this information

Why Rosetta?

- Example of provable reliable and authentic
- Example of accountability

object Identifier	
general IE Charac	
Retention Policie:	
internal Identifier	
object Characteri	
linking IE Identifie	
access Rights Po	
producer	
producer Agent	
event	

event Identifier Type	DPS
event Identifier Value	130
event Type	Processing
event Description	Object's Metadata Record Modified
event Date Time	06/09/2023 09:17:23
event Outcome1	SUCCESS
linking Agent Identifier Type1	User
linking Agent Identifier Value1	sam.alloing@kb.nl
linking Agent Role1	-

Why Rosetta?

- Technical metadata extraction:

- Risk identifiers

Characteristic	Operator	Parameter
FILE.significantProperties.significantPropertiesTy...	Equals	AES

- Bulk risk assessment
  (added by Rosetta User Group)

pdf.creationDate

pdf.documentcatalogPagelayout

pdf.documentcatalogPagemode

pdf.eFF

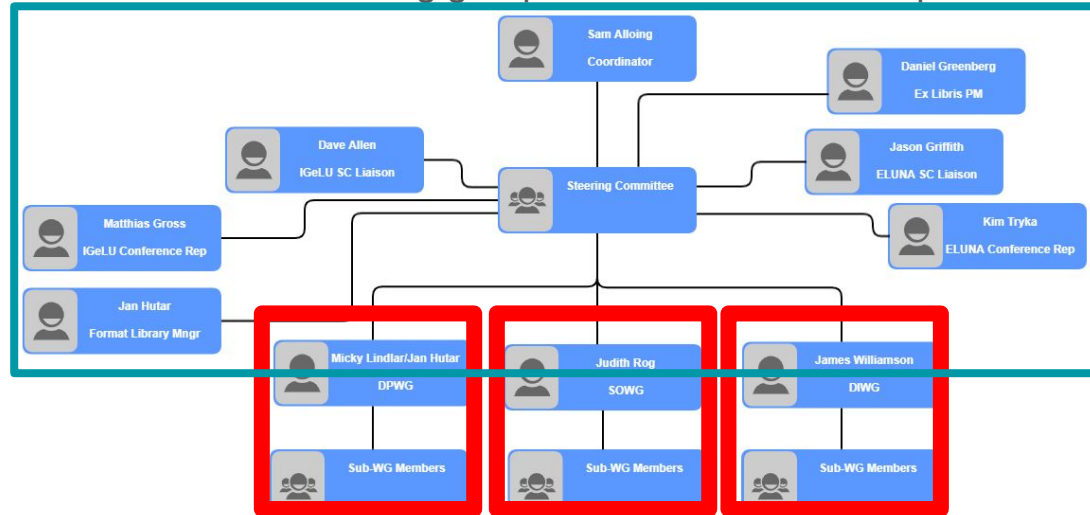pdf.encryption.algorithm

pdf.filterPipeline

pdf.freeObjects

pdf.

pdf.

	✓	Name ▲	Description	Classific
1	✓	fmt/14	Portable Document Format	PDF
2	✓	fmt/15	Portable Document Format	PDF
3	✓	fmt/16	Portable Document Format	PDF
4	✓	fmt/17	Portable Document Format	PDF
5	✓	fmt/18	Portable Document Format	PDF
6	✓	fmt/19	Portable Document Format	PDF
7	✓	fmt/20	Portable Document Format	PDF
8	✓	fmt/95	Portable Document Format - Arch...	PDF
9	✓	fmt/144	Portable Document Format - Exch...	PDF

Rosetta Working Group

- [Unique community of Rosetta users](#)
- Sharing knowledge and best practices on Rosetta and Digital Preservation
  - Open Discussions
  - Annual meetings (Rosetta Working Group and DRAG)
- Enhancements requests are a collaborative effort
  - Most enhancements need to be discussed with the working groups so choices are not a problem for digital preservation
  - (examples see next slide)

Implemented enhancement requests from the community

Enhancement requests implemented in Rosetta 7.4

- Bulk risk assignment to file formats
- Multiple file format identification
- Enhanced date field search

Enhancement requests in Rosetta 8.0

Enhancement requests:
- Enhance itemized set functionality
- Set privileges-group on IE export
- Rosetta version API

Enhancement request scheduled for next release (8.1)

This is a future release and not everything is accepted for this release
- Generate Logical StructMap from existing Logical structMap