

# 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

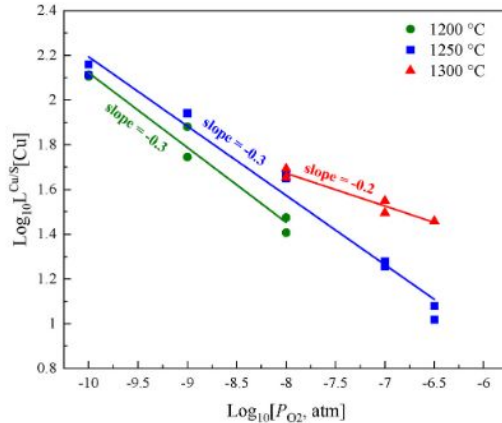


Fig. 6. Distribution coefficient of copper between metal and magnetite/wüstite saturated iron silicate slags at 1200, 1250 and 1300 °C as a function of P<sub>O<sub>2</sub></sub>.

Distribution coefficient of Cu between metal and molten slag			
T/°C	Log <sub>10</sub> [P <sub>O<sub>2</sub>, atm]</sub>	Sample	Log <sub>10</sub> L <sub>Cu/S</sub> [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

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

#### Imminence of Action

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

Trend in 2021:

↑ Towards greater risk

Trend in 2022:

→ No Change

#### Significance of Loss

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



Consensus Decision

Previous classification: Endangered

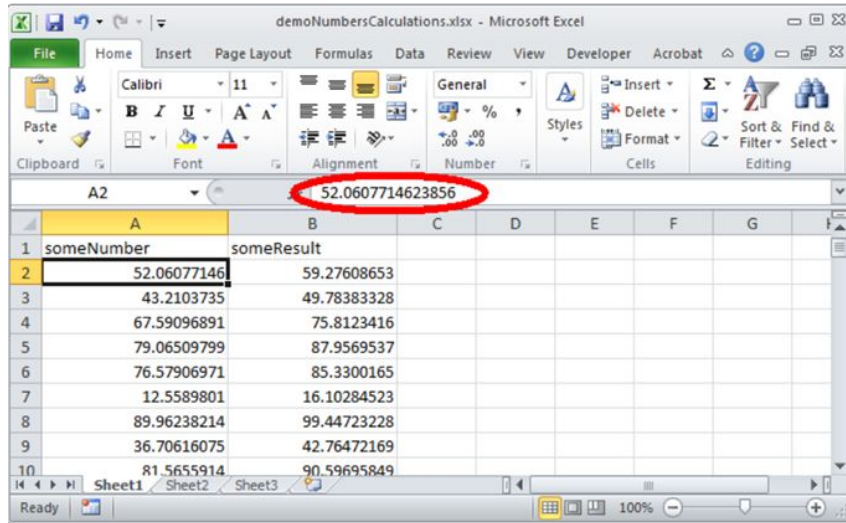
#### Effort to Preserve

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](#)

# 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



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

Home > Preservation > Preservation Plans > Preservation Plans  
List > Alternatives Details - General Information

Alternative	p3	Target Format	fmt/44	Alt. Created	admin1
Plan Name	p1	Plan Creation Date	26/10/2009	Plan Created By	admin1
Source Classification	Image (Raster)	Source Format	fmt/7	Risk Code	COMPRESSION_LZW_7

\* Alternative Name:

Description:

\* Select Target Format:

\* Alternative Type:  Internal  External

\* Select Plug-in:

Cancel Next

Preservation: Preservation Plans / Details

Alternative Name	Primary Alternative	Target Format ID	ExL-Fmt-62	Alternative Created By	admin1
Plan Name	plan_created_from_report_2016-07-03T11:35:48	Plan Creation Date	03/07/2016	Plan Created By	admin1
Source Classification	Image (Mix)	Source Format	fmt/353	Risk Code	lzw

**Automatic Evaluation - Source vs. Target**

No records were found

Characteristic	Operator	Parameter	
<input type="text"/>	Not Smaller By	<input type="text"/>	<input type="button" value="Add Source vs. Target Criteria"/>

**Automatic Evaluation - Target Characteristics only**

No records were found

Characteristic	Operator	Parameter	
<input type="text"/>	Equals	<input type="text"/>	<input type="button" value="Add Target Only Criteria"/>

Validate Format ID

For example file format migration

# Why Rosetta?

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

<a href="#">object Identifier</a>	
<a href="#">general IE Character</a>	
<a href="#">Retention Policies</a>	
<a href="#">internal Identifier</a>	
<a href="#">object Characteristi</a>	
<a href="#">linking IE Identifier</a>	
<a href="#">access Rights Polic</a>	
<a href="#">producer</a>	
<a href="#">producer Agent</a>	
<a href="#">event</a>	

Description		
1	<a href="#">linking IE Identifier Type</a> = <b>CONTEXTUAL</b> <a href="#">linking IE Identifier Value</a> = <b>IE435802</b>	<a href="#">View</a>

<b>MID</b>	<a href="#">DNX_IE435802</a>	<b>Metadata Type</b>	dnx:dnx	<b>Description</b>
<b>Created by</b>	trienka.rohrbach@kb.nl	<b>Creation Date</b>	06/04/2023 10:15:22	
<b>Updated by</b>		<b>Update Date</b>	06/04/2023 10:15:23	<b>Schema Versi</b>

<a href="#">general IE Chara</a>	
<a href="#">object Identifier</a>	
<a href="#">event</a>	
<a href="#">producer</a>	
<a href="#">producer Agent</a>	
<a href="#">internal Identifie</a>	
<a href="#">object Character</a>	
<a href="#">access Rights Pr</a>	
<a href="#">Retention Policie</a>	

<b>submission Reason</b>	-
<b>status</b>	Active
<b>status Date</b>	-
<b>IE Entity Type</b>	<a href="#">Archiving Agreement</a>
<b>Version</b>	1
<b>User Defined A</b>	-
<b>User Defined B</b>	-
<b>User Defined C</b>	-

# 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	

<b>event Identifier Type</b>	DPS
<b>event Identifier Value</b>	130
<b>event Type</b>	Processing
<b>event Description</b>	Object's Metadata Record Modified
<b>event Date Time</b>	06/09/2023 09:17:23
<b>event Outcome 1</b>	SUCCESS
<b>linking Agent Identifier Type1</b>	User
<b>linking Agent Identifier Value 1</b>	sam.alloing@kb.nl
<b>linking Agent Role1</b>	-

# Why Rosetta?

- Technical metadata extraction:

pdf.creationDate
pdf.documentcatalogPagelayout
pdf.documentcatalogPagemode
pdf.eFF
<u>pdf.encrypted.algorithm</u>
pdf.filterPipeline
pdf.freeObjects

- Risk identifiers

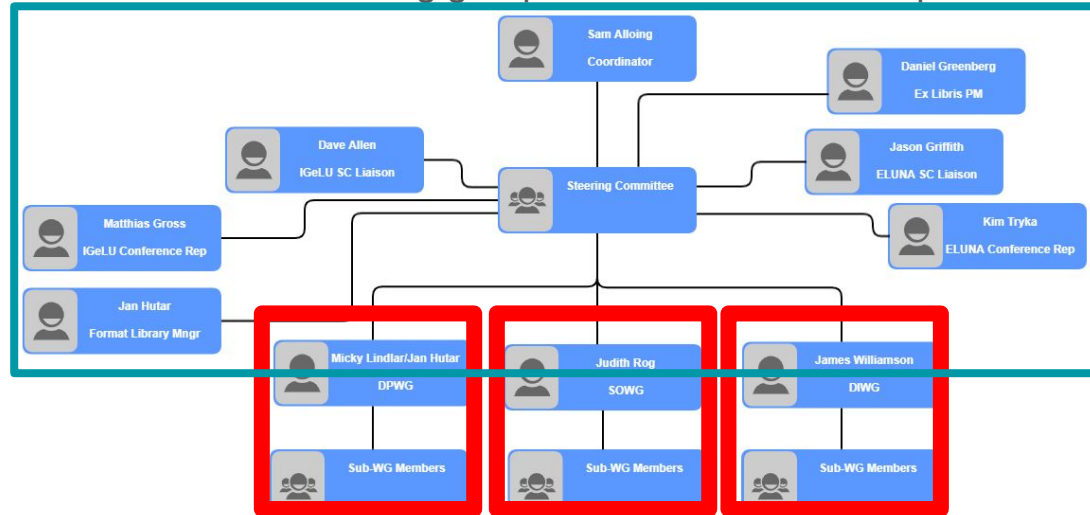
pdf.	<input checked="" type="checkbox"/>	Name ^	Description	Classific
1	<input checked="" type="checkbox"/>	fmt/14	Portable Document Format	PDF
2	<input checked="" type="checkbox"/>	fmt/15	Portable Document Format	PDF
3	<input checked="" type="checkbox"/>	fmt/16	Portable Document Format	PDF
4	<input checked="" type="checkbox"/>	fmt/17	Portable Document Format	PDF
5	<input checked="" type="checkbox"/>	fmt/18	Portable Document Format	PDF
6	<input checked="" type="checkbox"/>	fmt/19	Portable Document Format	PDF
7	<input checked="" type="checkbox"/>	fmt/20	Portable Document Format	PDF
8	<input checked="" type="checkbox"/>	fmt/95	Portable Document Format - Arch...	PDF
9	<input checked="" type="checkbox"/>	fmt/114	Portable Document Format - Arch...	PDF

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

- Bulk risk assessment  
(added by Rosetta User Group)

# 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