

TIMBUS



TIMELESS BUSINESS

Digital Preservation Challenges

CSMR 2012
16th European Conference on Software
Maintenance and Reengineering
University of Szeged, 27-30 March 2012, <http://csmr2012.sed.hu>

WHO is TIMBUS

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CMS  Caixa Mágica	DPC  Digital Preservation Coalition	INESC-ID  inesc id Lisboa	Intel 
iPharro  iPharro	KIT  Karlsruhe Institut für Technologie	LIP 	LNEC 
SAP 	SBA 	SQS 	WWU 

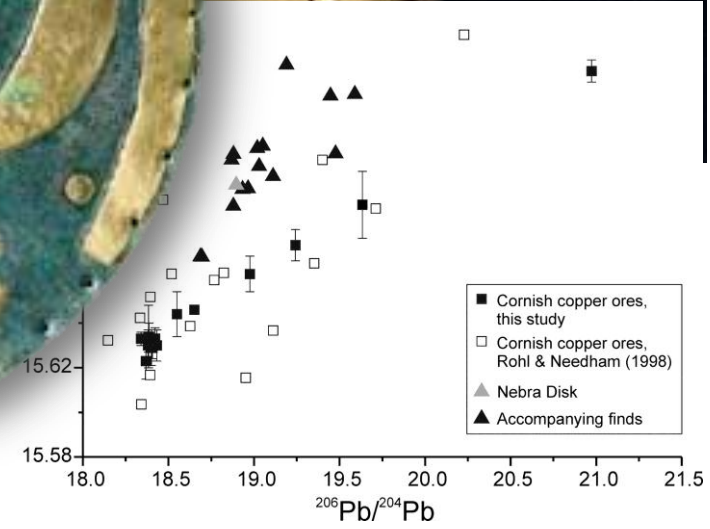
What is this artefact?

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Context...

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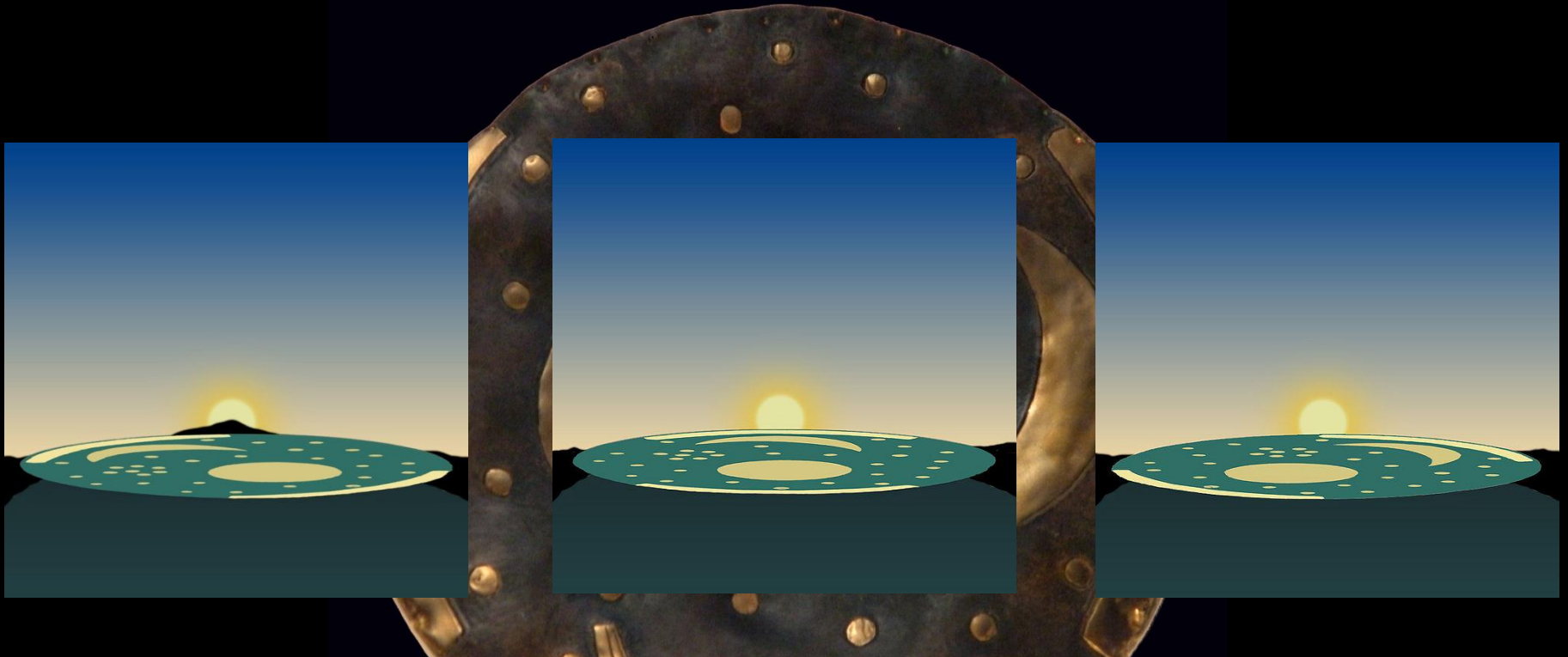
Three „releases“ of the disk

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Some more context...

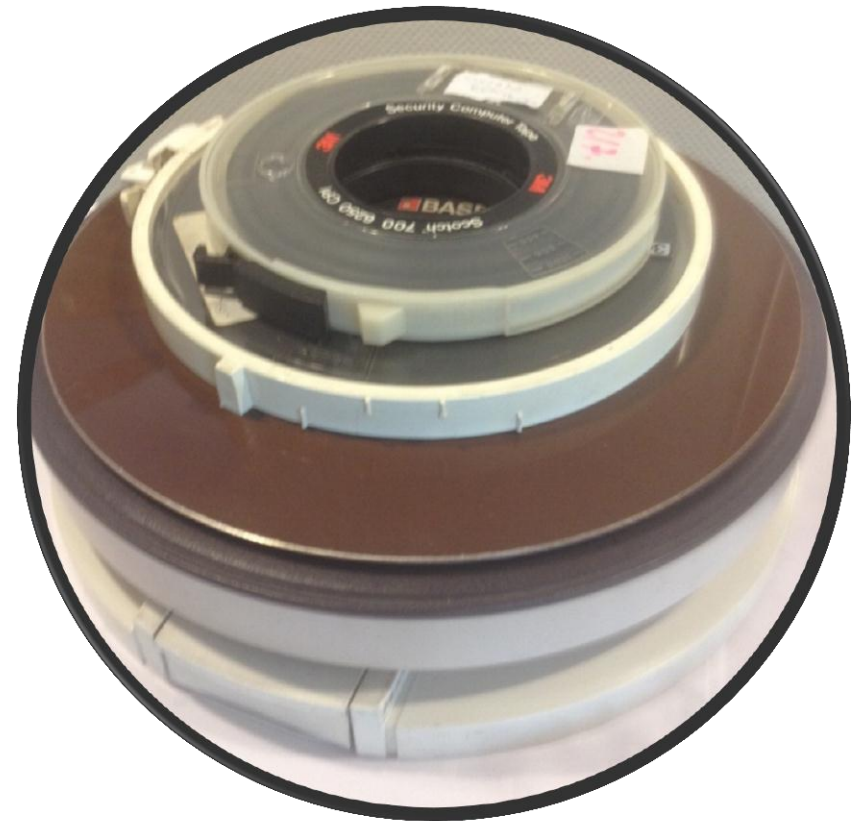
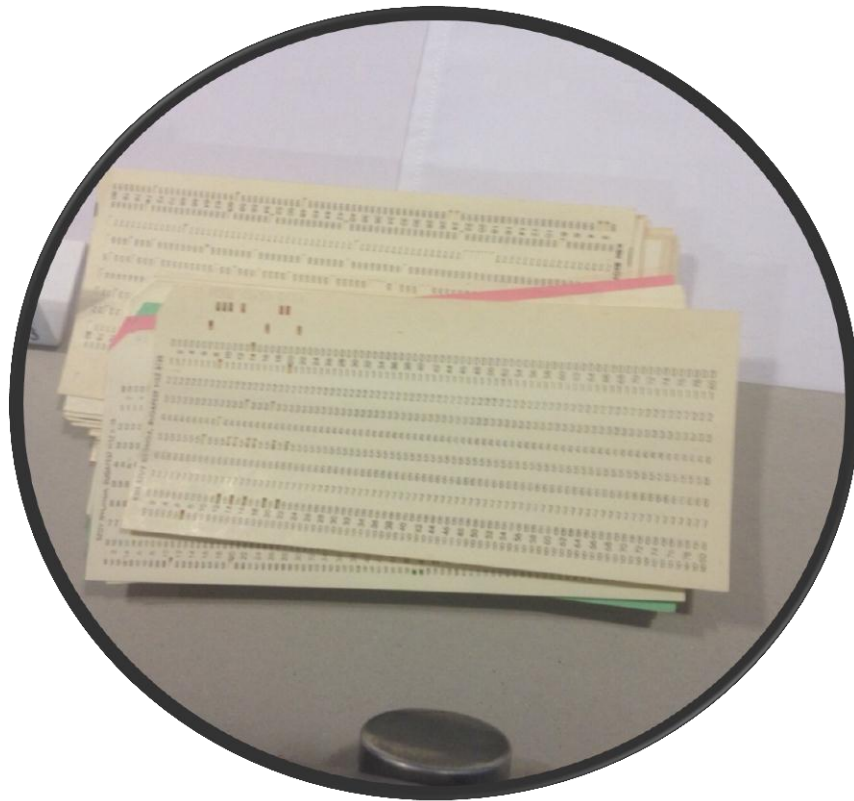
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Nebra sky disk

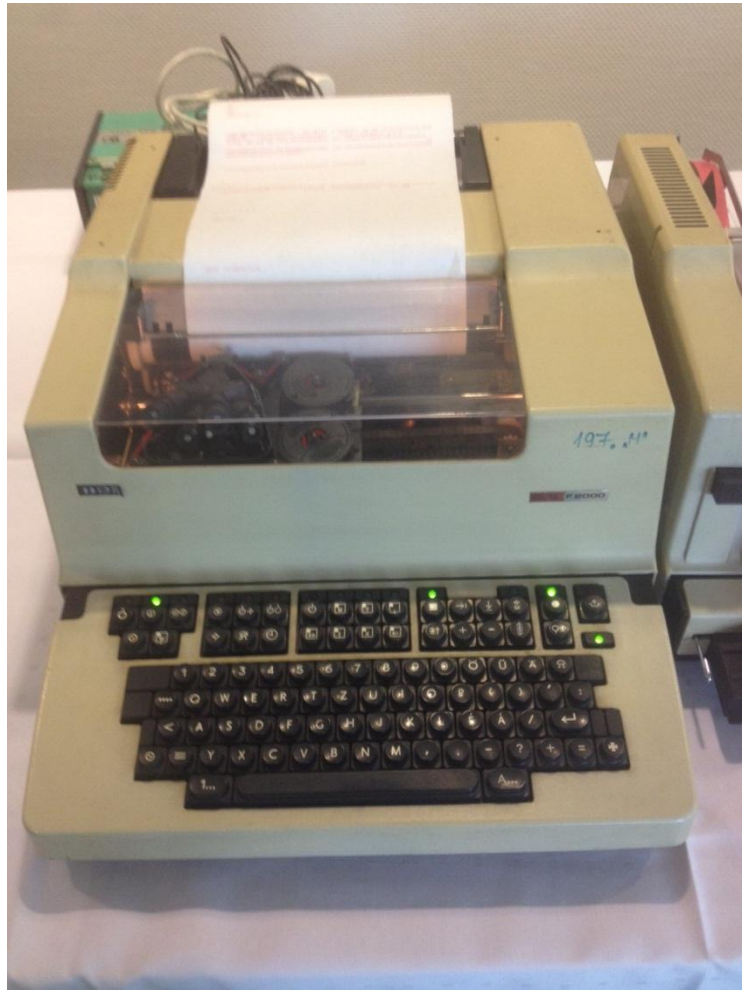
Our Sky Disks

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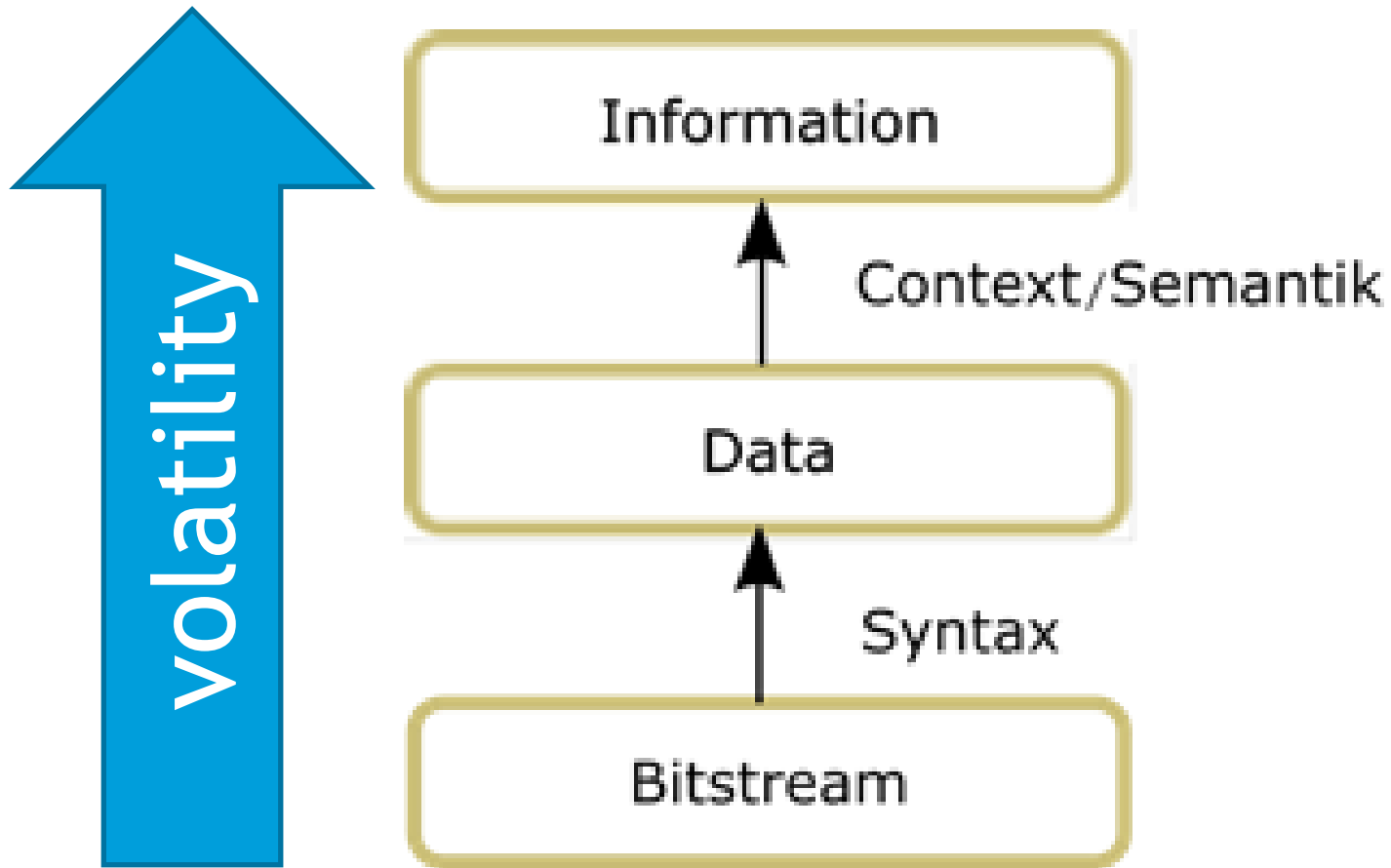
IT-Museum

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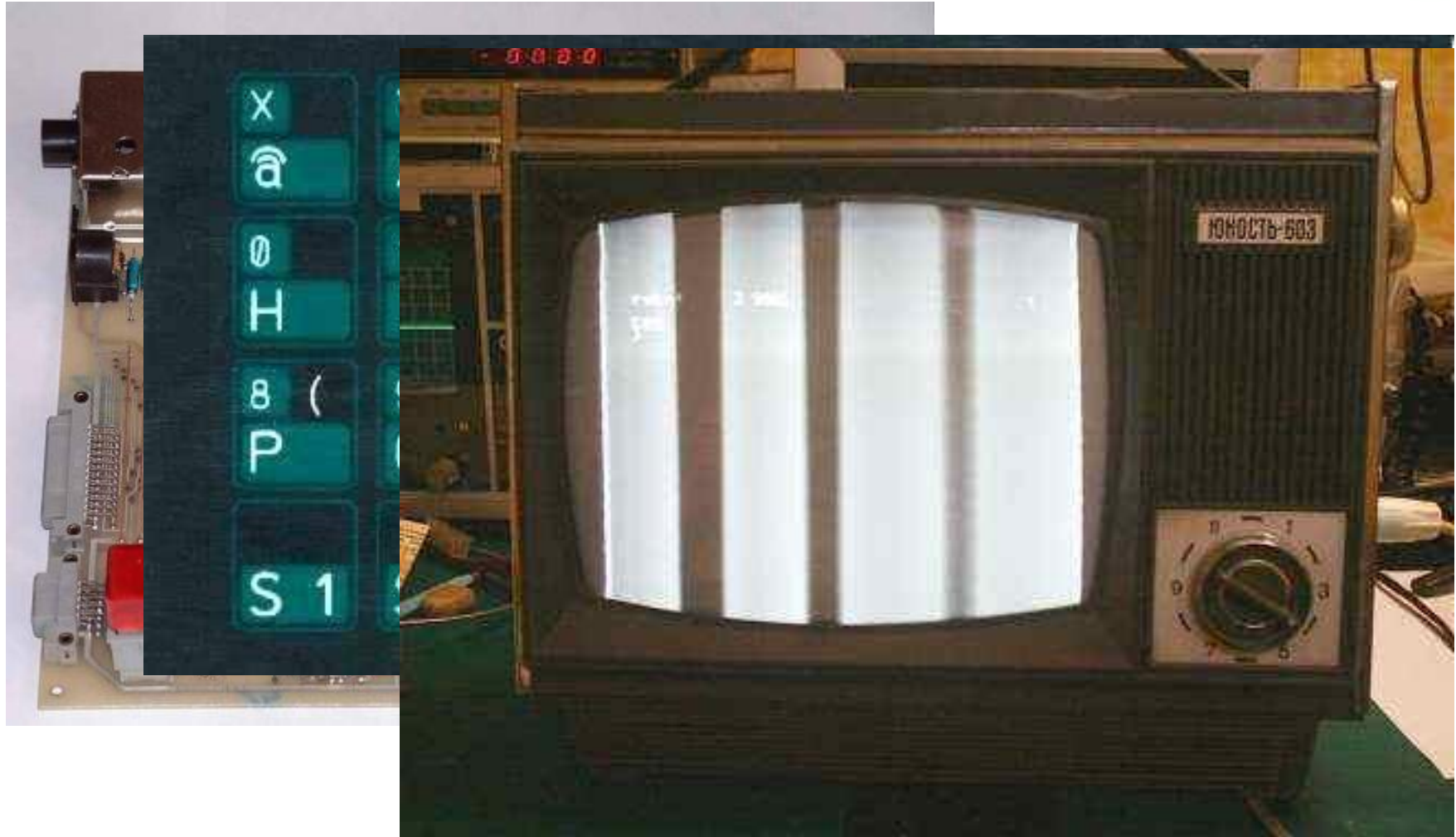
Digital Dark Ages

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History is not that far away

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State of the Research

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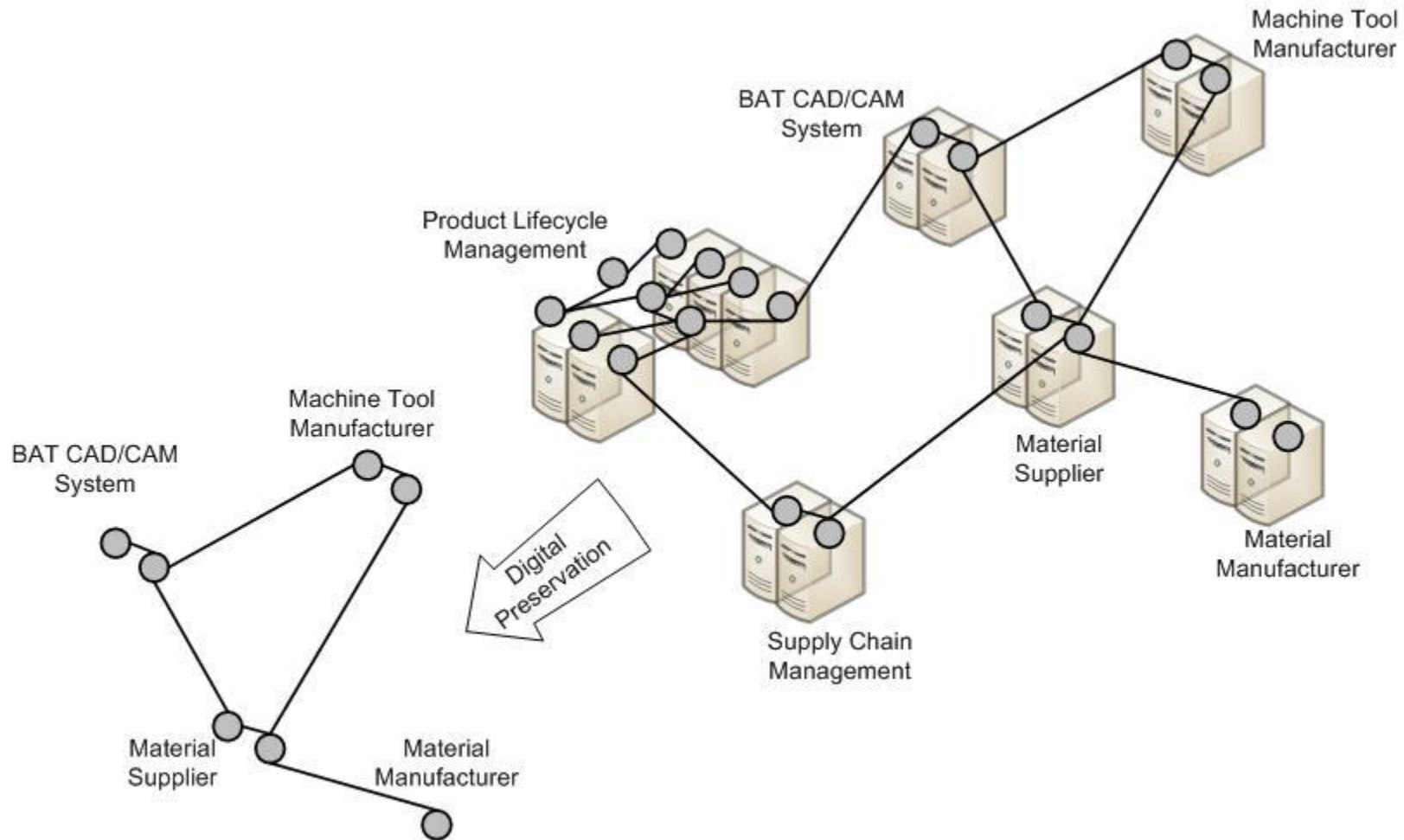


- OAIS as an ISO standard
- Different Research on:
 - FileFormat Databases
 - Ontologies
 - Emulators
 - Transformation
- But...

- ... it's oriented on artefacts

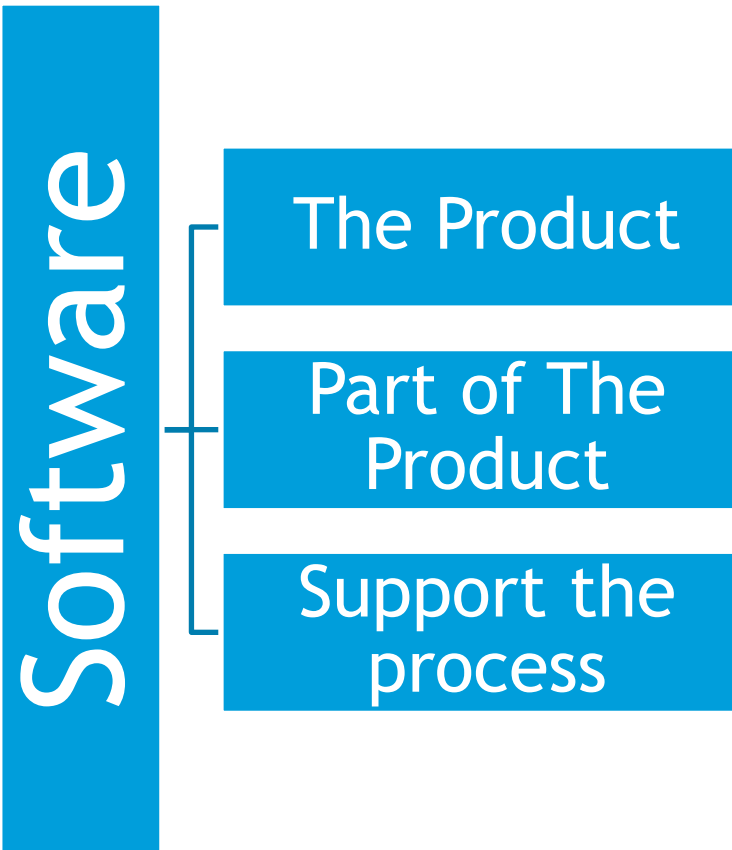
TIMBUS: How to preserve a process?

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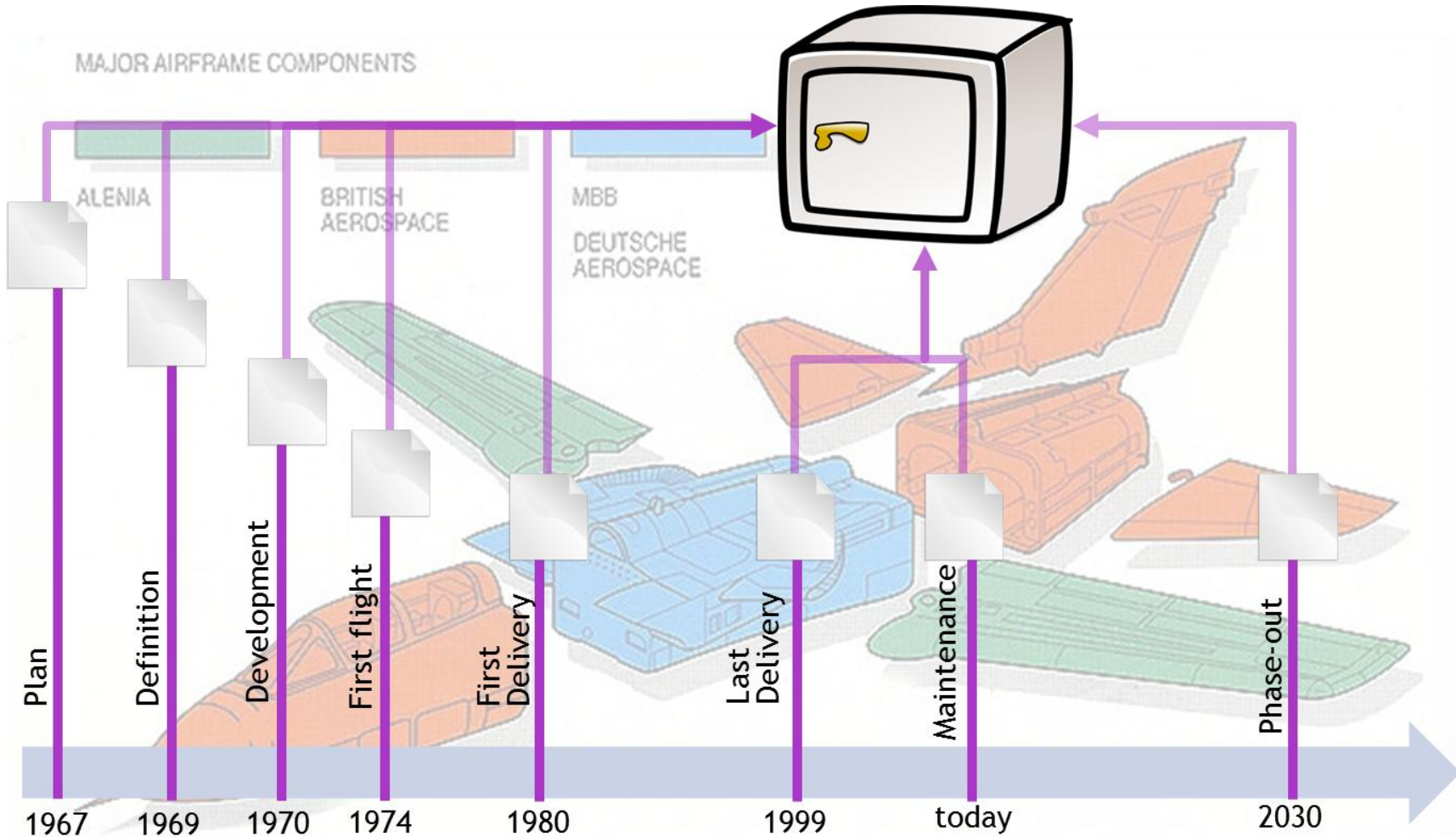
The role of Software...

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History of the Tornado!

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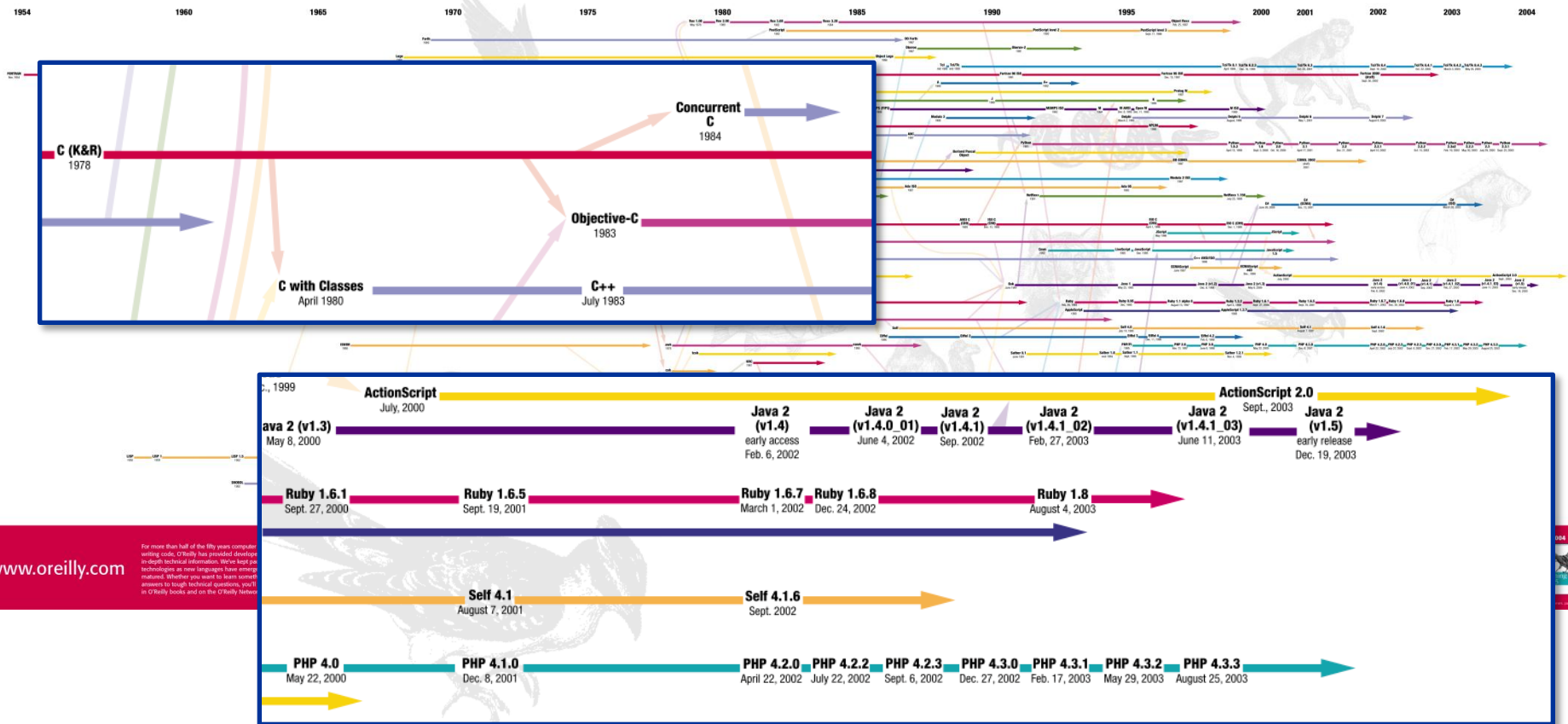
History of Languages

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O'REILLY

History of Programming Languages



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For more than half of the fifty years computer writing code, O'Reilly has provided developers with the technical information they need to master new languages as they emerge. Whether you want to learn something new or refresh your technical skills, you'll find it in O'Reilly books and on the O'Reilly Network.



5 April 2012

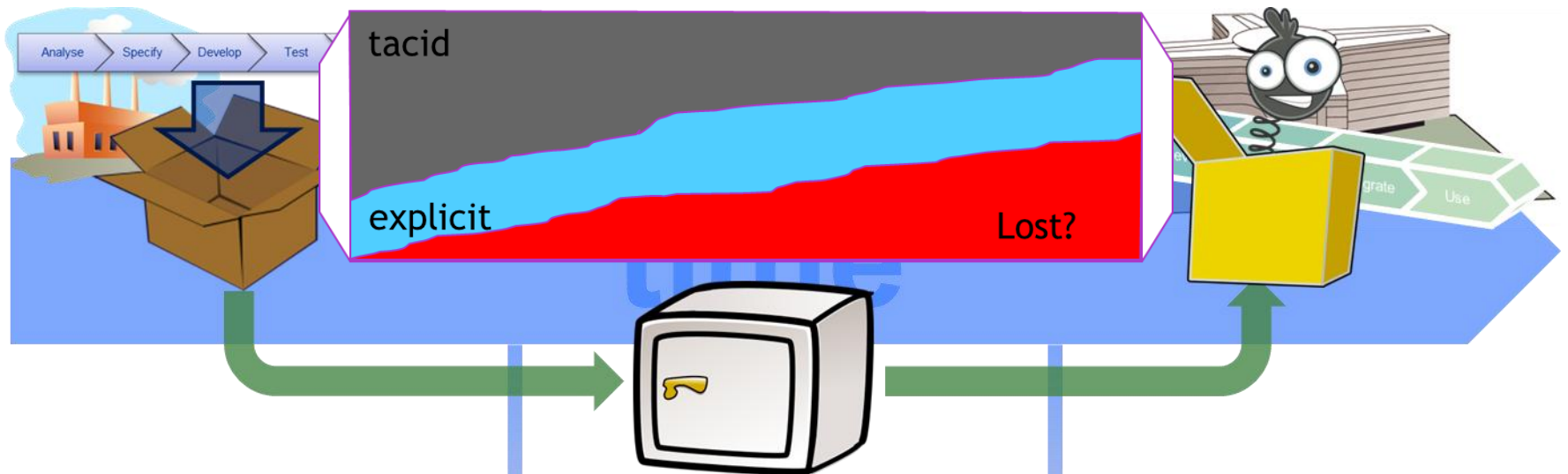
timbusproject.net © 2011

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Communicate with the future

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- Why preserve?
- What to capture in which quality?
- How to store?

- How to keep content readable?
- How to identify and assess?

- How to re-instantiate?
- How to analyse?

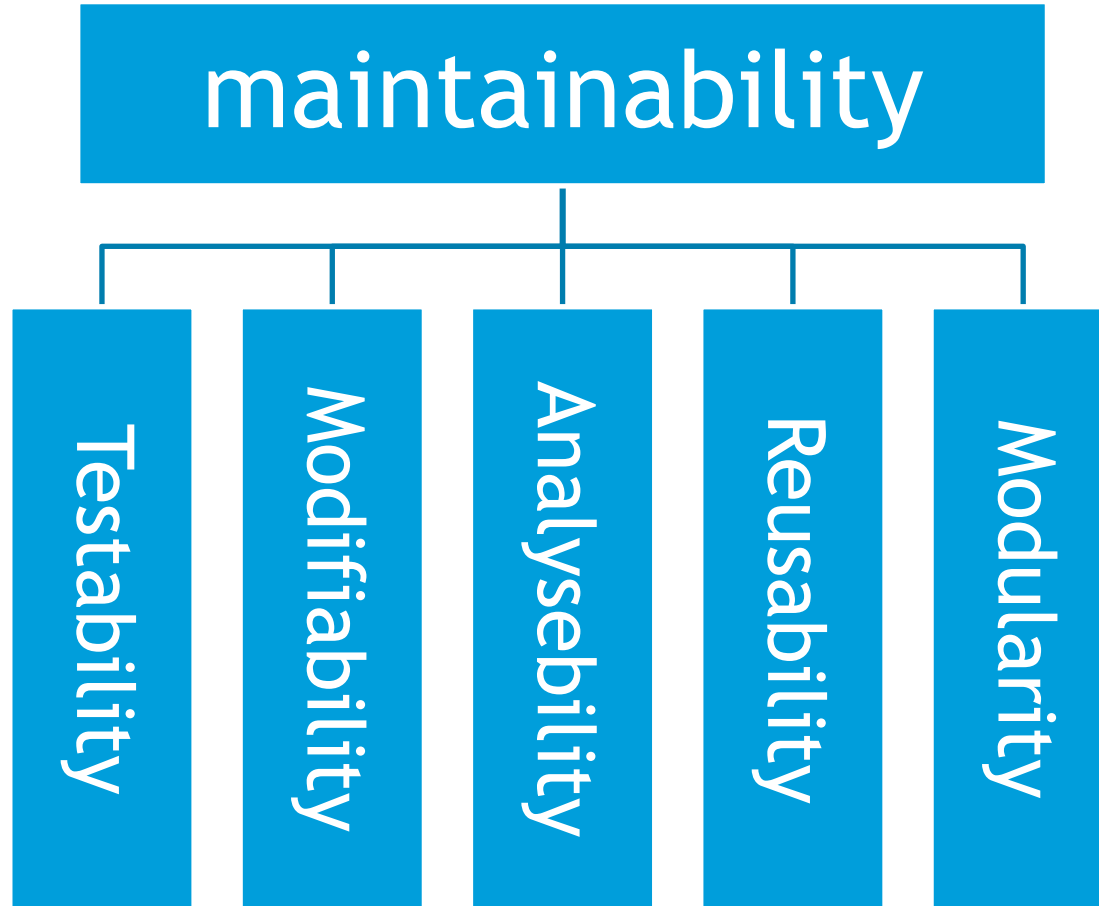
ISO 25010: Quality in Use

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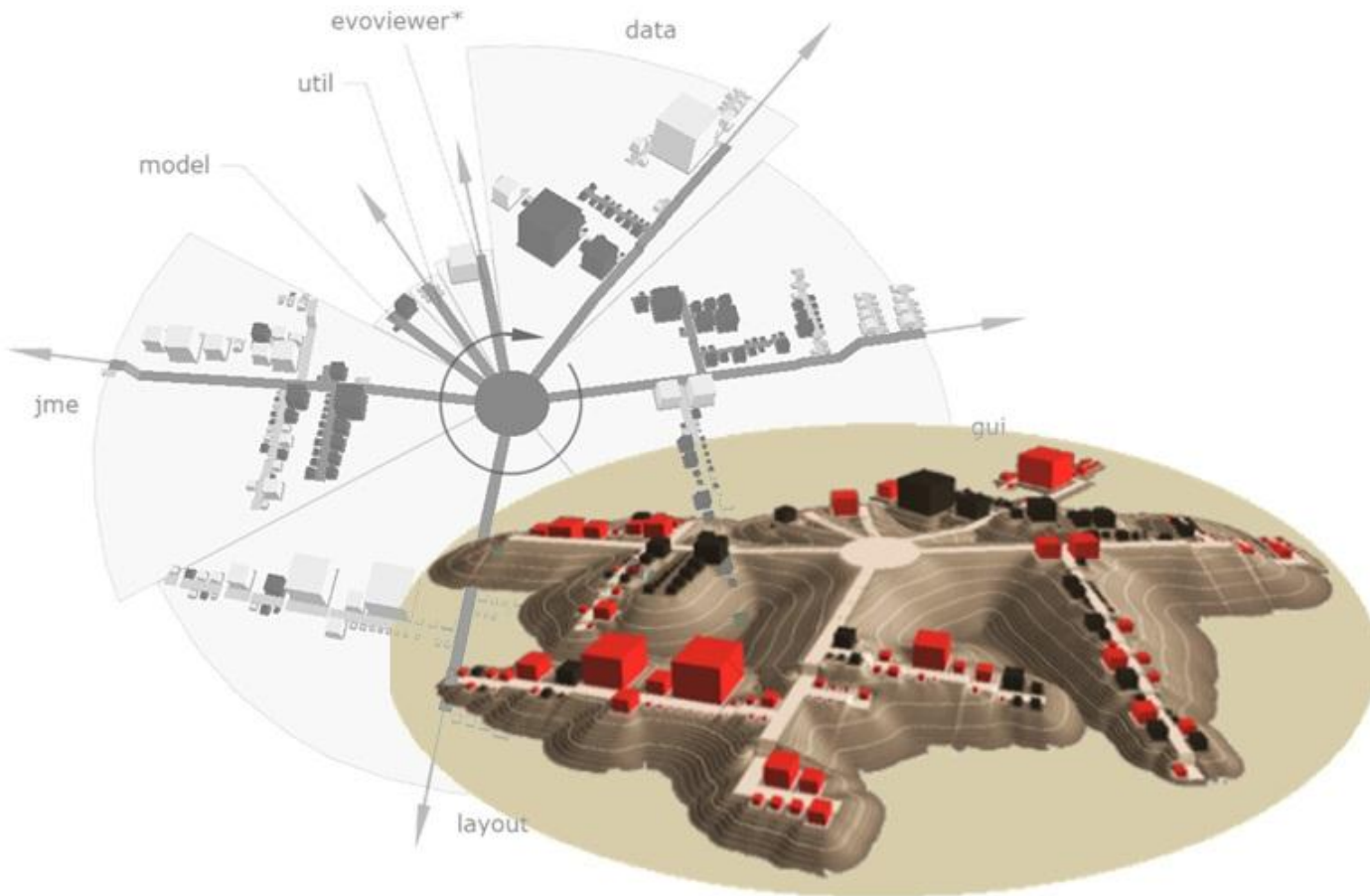
Maintenance in ISO 250x0

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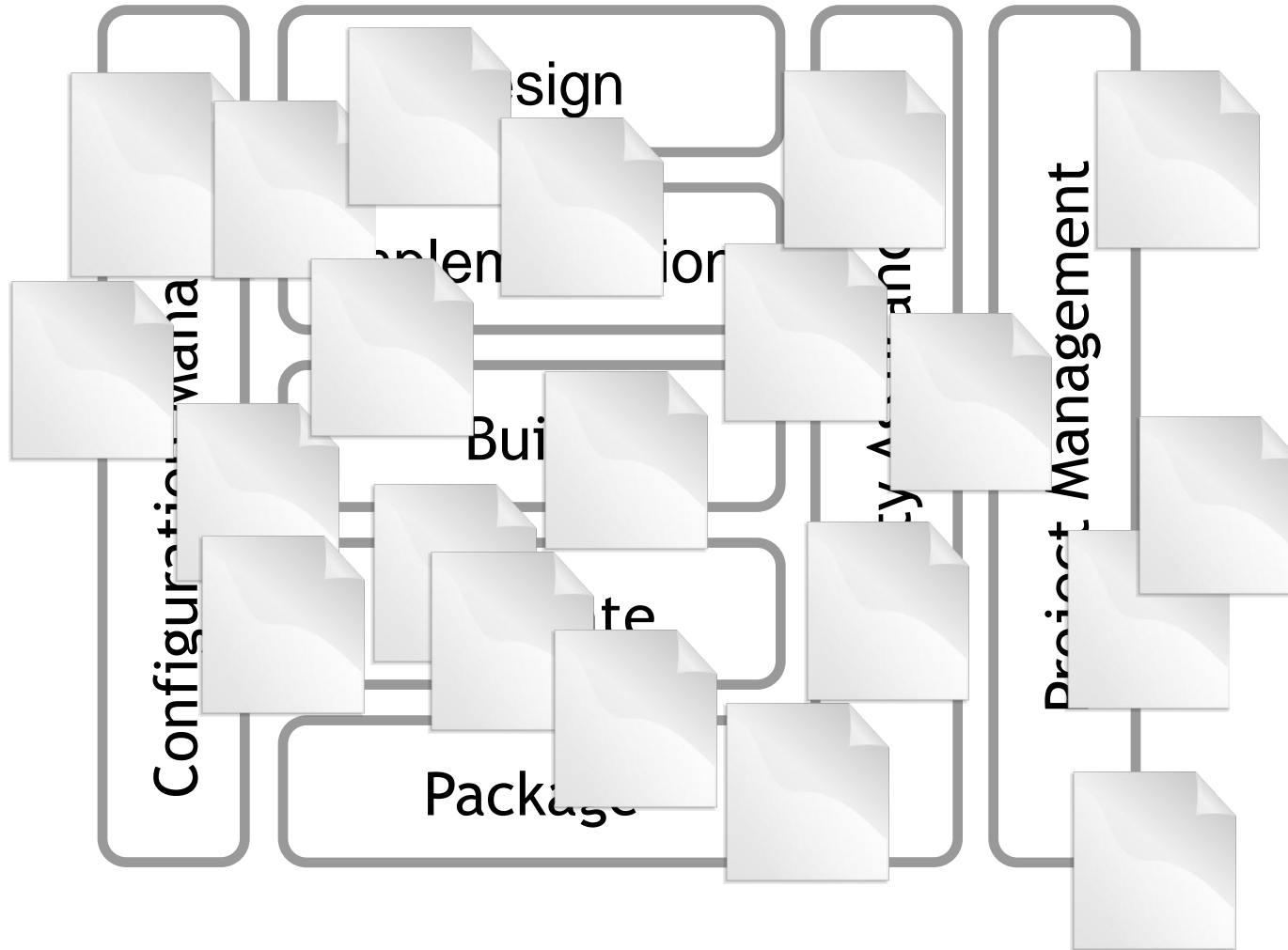
Preservation is Communication

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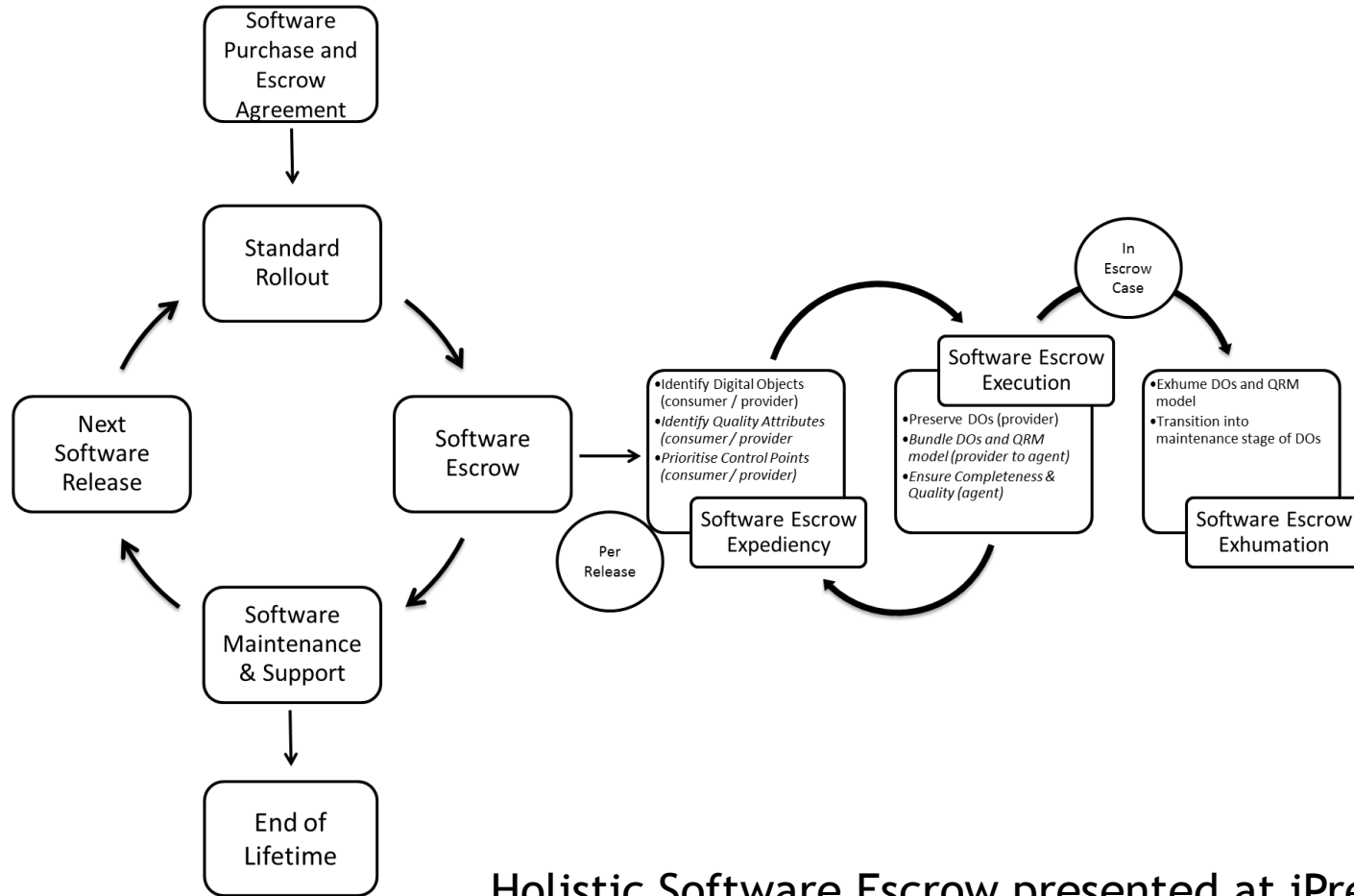
SW is more than code

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DPreservation in a SDLC

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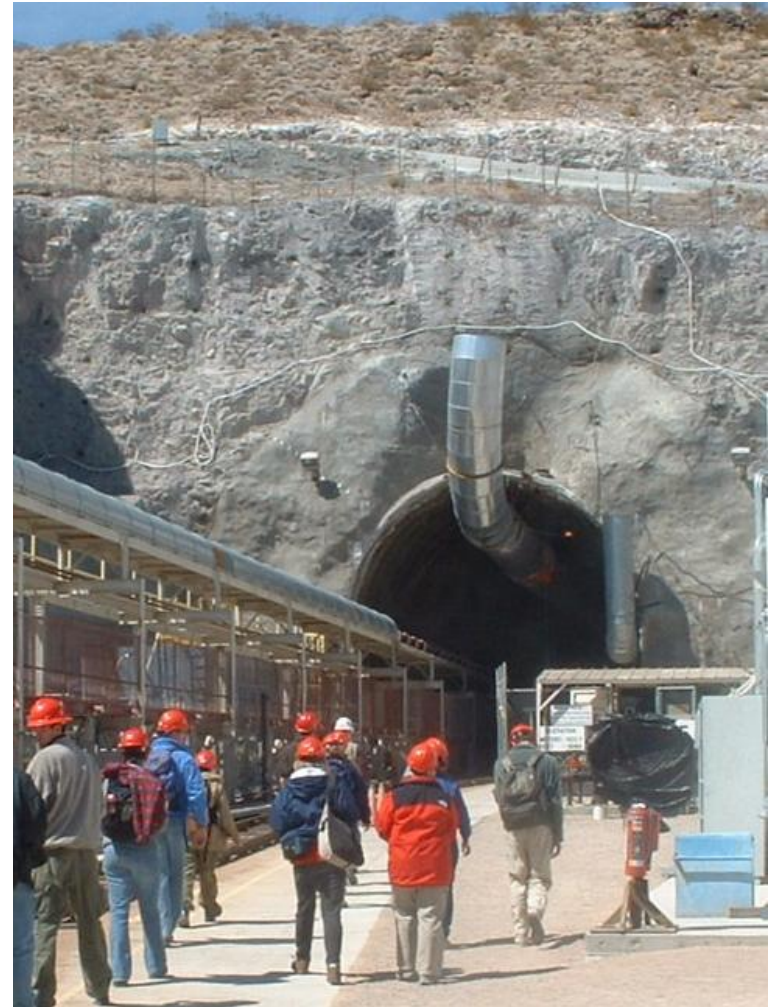
Holistic Software Escrow presented at iPres 2011

Can we really preserve

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- ...for more than 100.000 years



Thank you for your attention!

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