Digital Preservation Challenges
### WHO is TIMBUS

#### TIMELESS BUSINESS

<table>
<thead>
<tr>
<th>CMS</th>
<th>DPC</th>
<th>INESC-ID</th>
<th>Intel</th>
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<tbody>
<tr>
<td><img src="image1.png" alt="Gaixa Mágica" /></td>
<td><img src="image2.png" alt="Digital Preservation Coalition" /></td>
<td><img src="image3.png" alt="inesc id" /></td>
<td><img src="image4.png" alt="Intel" /></td>
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<td><strong>iPharroz</strong></td>
<td><strong>KIT</strong></td>
<td><strong>LIP</strong></td>
<td><strong>LNEC</strong></td>
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<td><img src="image5.png" alt="iPharroz" /></td>
<td><img src="image6.png" alt="KIT" /></td>
<td><img src="image7.png" alt="LIP" /></td>
<td><img src="image8.png" alt="LNEC" /></td>
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<td><strong>SAP</strong></td>
<td><strong>SBA</strong></td>
<td><strong>SQS</strong></td>
<td><strong>WWU</strong></td>
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<td><img src="image10.png" alt="secure sba-research.org" /></td>
<td><img src="image11.png" alt="SQS" /></td>
<td><img src="image12.png" alt="WWU" /></td>
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</tbody>
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What is this artefact?
Context...
Three „releases“ of the disk
Some more context...

Nebra sky disk
volatility
History is not that far away
State of the Research

- OAIS as an ISO standard
- Different Research on:
  - FileFormat Databases
  - Onthologies
  - Emulators
  - Transformation
- But...
- ... it‘s oriented on artefacts
TIMBUS: How to preserve a process?

TIMELESS BUSINESS

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The role of Software...

Software

- The Product
- Part of The Product
- Support the process
Communicate with the future

- 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?
maintainability

- Testability
- Modifiability
- Analyseability
- Reusability
- Modularity
SW is more than code
Holistic Software Escrow presented at iPRes 2011
Can we really preserve

...for more than 100,000 years
Thank you for your attention!

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