

Planning the Future with Planets

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Planning the future with Planets

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Agenda

- Introduction to Planets
 - Who are we?
 - What are we doing?
 - Why are we doing it?
- The Planets architecture and components
- Workshop Programme



The Planets project

- ❑ 4-year research and technology development project co-funded by the European Union
- ❑ Addresses core digital preservation challenges
- ❑ Started June 2006 with €15m budget
- ❑ Coordinated by the British Library
- ❑ 16 partners
 - national libraries and archives
 - leading technology companies
 - research universities
- ❑ Builds on strong digital archiving and preservation programmes



Planets partners



KB

Koninklijke Bibliotheek

 **STATS BIBLIOTEKET**

 **Österreichische
Nationalbibliothek**

- ❑ The British Library
- ❑ National Library, Netherlands
- ❑ Austrian National Library
- ❑ State and University Library, Denmark
- ❑ Royal Library, Denmark



DET KONGELIGE BIBLIOTEK

NATIONALBIBLIOTEK OG KØBENHAVNS UNIVERSITETSBIBLIOTEK



the national archives



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

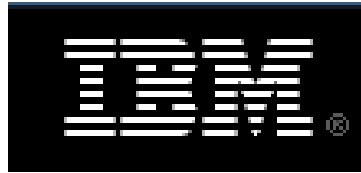
Swiss Confederation

- ❑ National Archives, UK
- ❑ Swiss Federal Archives
- ❑ National Archives, Netherlands

nationaal archief



Planets partners



- ❑ Tessella Plc
- ❑ IBM Netherlands
- ❑ Microsoft Research
- ❑ Austrian Research Centers GmbH

hatii



rechenzentrum
universität freiburg

- ❑ Hatii at University of Glasgow
- ❑ University of Freiburg
- ❑ Vienna University of Technology
- ❑ University of Cologne



TECHNISCHE
UNIVERSITÄT
WIEN
VIENNA
UNIVERSITY OF
TECHNOLOGY



The Planets team



All Staff Meeting, February 2007



Aims and objectives

- ❑ **Increase Europe's ability to ensure long-term access to its cultural and scientific heritage**
 - Improve decision-making
 - Control costs through increased automation and scalable infrastructure
 - Ensure wide adoption across the user community
 - Establish a market place for preservation services and tools

- ❑ **Build practical solutions**
 - Integrate existing expertise, designs and tools
 - Deliver tools and services for operational environments

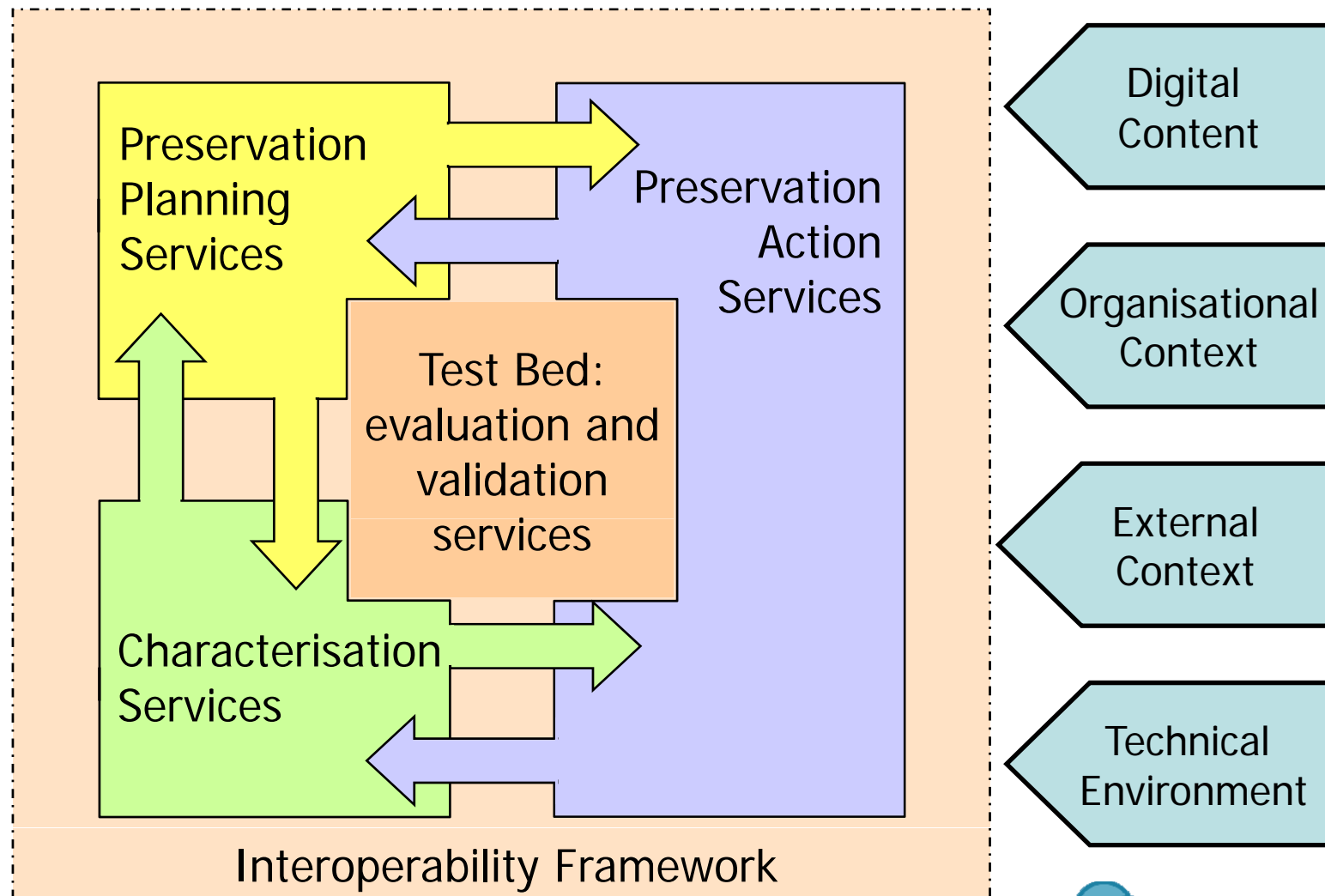


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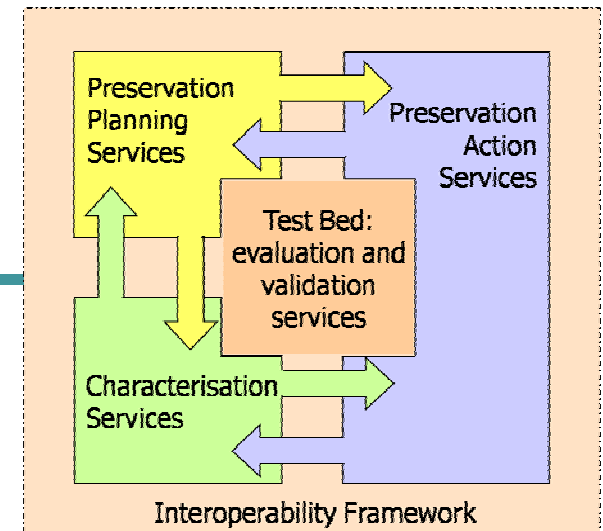


Planets Architecture



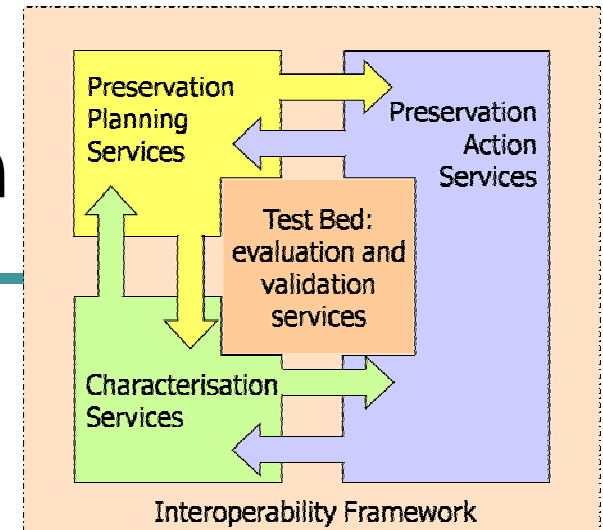
Preservation Action

- ❑ Transform content
 - Pluggable infrastructure for third-party migration tools
- ❑ Transform environment
 - Dioscuri:
Modular emulation of the full hardware/software environment
 - Universal Virtual Computer (UVC):
provides a layered durable approach to emulation
- ❑ Preservation Action Tools registry
- ❑ XML language for describing preservation action tools



Preservation Characterisation

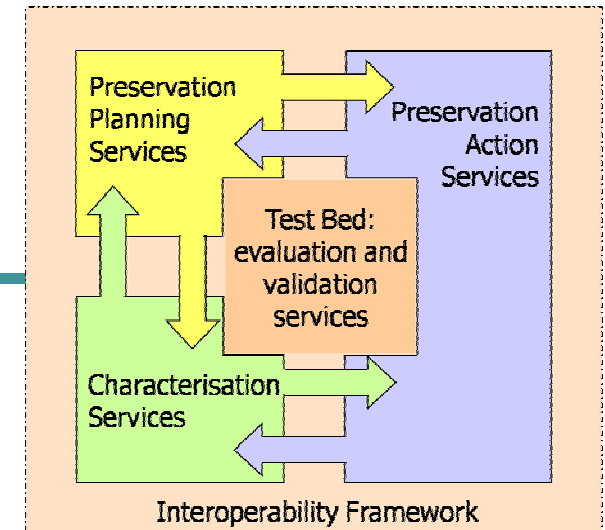
- ❑ Characterisation framework
 - Unifies tools for identifying file formats and extracting object properties
- ❑ Characterisation registry
 - Based on the file format registry PRONOM
- ❑ eXtensible Characterisation Languages (XCL)
 - Family of XML languages for characterising digital objects
- ❑ Comparator verifies effects of preservation actions



Infrastructure and Testbed

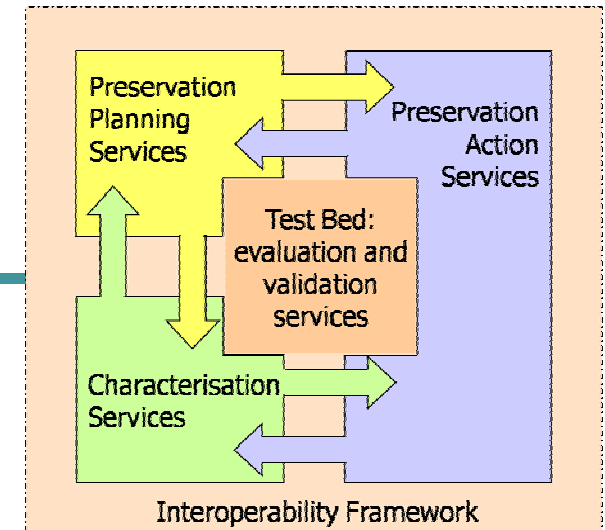
- ❑ Interoperability Framework provides common basis
 - JBoss Application Server
 - Logging, Security Services
 - Registry services
 - User management and Single-Sign-On

- ❑ Planets Testbed
 - Controlled environment for the execution of experiments
 - Accumulated experience base collected in registry



Preservation planning

- ❑ Collection profiling services
- ❑ Technology watch services
- ❑ Risk assessment of digital objects
- ❑ Preservation planning methodology
- ❑ Tool support: Plato, the Planning Tool



Preservation planning

- ❑ Evaluating preservation strategies
 - ❑ Variety of solutions and tools exist
 - ❑ Each strategy has unique strengths and weaknesses
 - ❑ Requirements vary across settings
 - ❑ Decision on which solution to adopt is complex
 - ❑ Documentation and accountability is essential
-
- ❑ Preservation planning assists in decision making
 - ❑ Evaluation of strategies on representative sample content according to specific requirements



Summary

- ❑ Planets methods, tools, and services help organisations diagnose and treat problems with their digital objects
- ❑ High levels of automation and scalable components reduce costs and improve quality
- ❑ Empirical data enables improved decision making
- ❑ Find out more: <http://www.planets-project.eu>



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Workshop Programme – Day 1

09.30-10.00	Welcome and introduction to the Planets project
10.00-11.00	Introduction to the Planets system and architecture
11.00-11.30	<i>Break</i>
11.30-12.30	Introduction to the preservation planning process:
12.30-13.30	<i>Lunch</i>
13:30-14:00	Preservation planning workflow
14.00-14.45	Planets preservation planning continued: What is a preservation plan and how do we create it?
14.45-15.45	Discussion on preservation planning
15.45-16.15	<i>Break</i>
16.15-16.45	Planets dissemination and outreach activities
16.45-17.00	Summary and considerations for day two (including group assignments)



Workshop Programme – Day 2

09.30-10.00	Outline for the day, reiteration of the preservation planning process
10.00-12.00	Part 1: Identification of institutional setting and selection of sample records (<i>including break</i>)
12.00-13.00	<i>Lunch</i>
13.00-14.45	Part 2: Defining requirements
14.45-15.00	<i>Break</i>
15.00-16.45	Part 3: Define tools, run experiments, evaluate results.
16.45-17.00	Summary and conclusions



Dinner tonight?

Plan to have dinner together tonight
-> who is interested in joining?



Thank you very much for your attention
and
Enjoy the Workshop!

www.planets-project.eu

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