

Preservation Planning with Plato

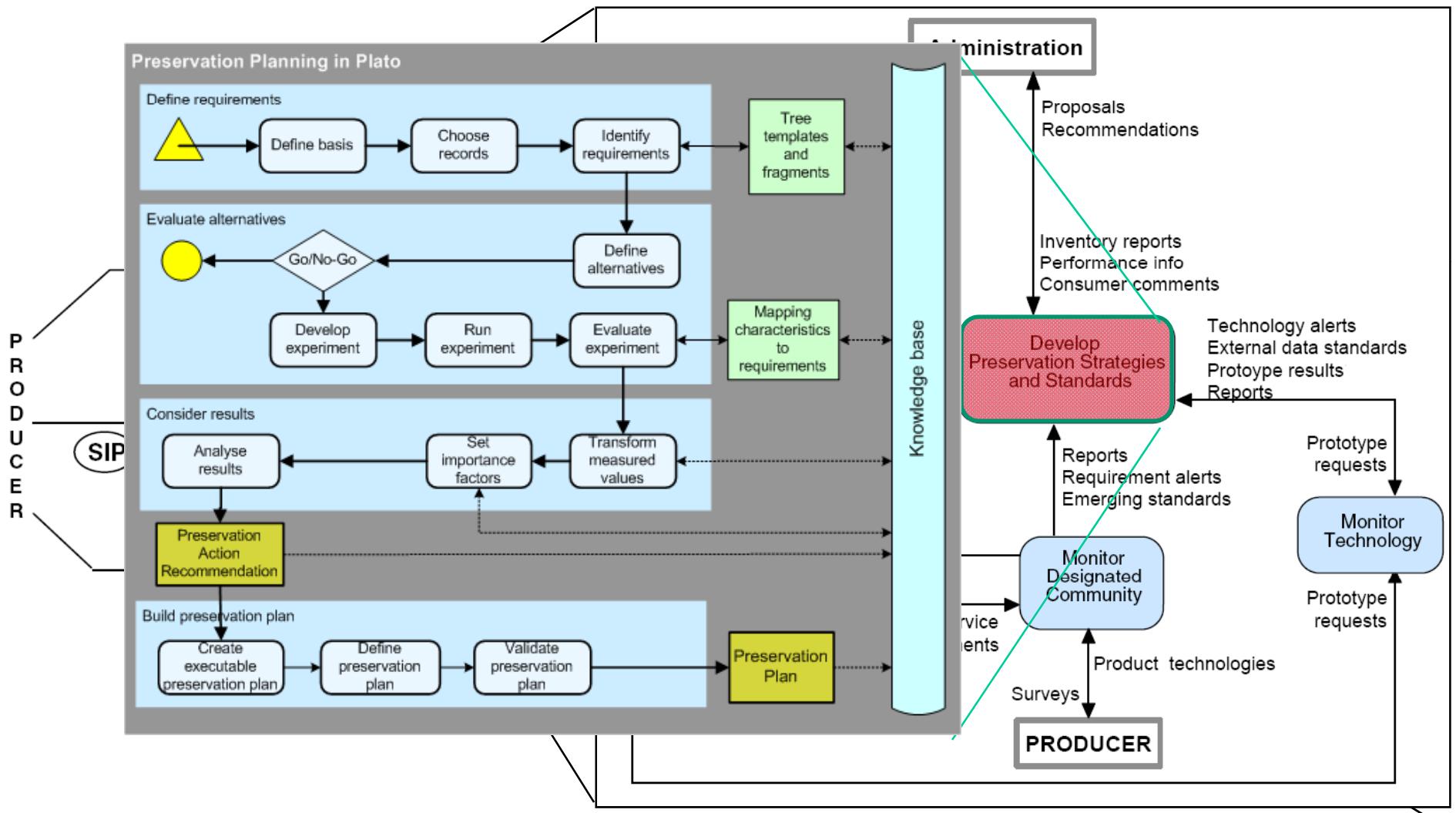
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Why Preservation Planning?

- Several preservation strategies developed
 - For each strategy: several tools available
 - For each tool: several parameter settings available
- How do you know which one is most suitable?
- What are the needs of your users? Now? In the future?
- Which aspects of an object do you want to preserve?
- What are the requirements?
- How to prove in 10, 20, 50, 100 years, that the decision was correct / acceptable at the time it was made?

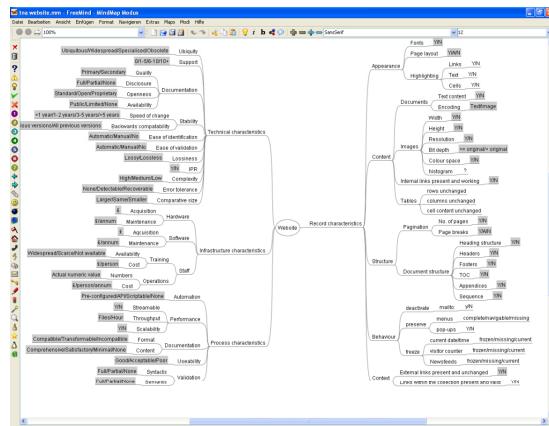
Preservation Planning



Preservation Planning with Plato

Plato

- Assists in analyzing the collection
 - Profiling, analysis of sample objects via Pronom and other services
- Allows creation of objective tree
 - Within application or via import of mindmaps
- Allows the selection of Preservation action tools



PLANETS Preservation Planning Tool (Plato)

[logout becker] [help]

Identify Requirements

Objective Tree Descriptive Information

How can I define the objective tree?

Object Tree

Expand All | Collapse All Website

Focus	Node	Single	Scale	Restriction	Unit
Website	Record characteristics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ubiquitous/Widespread/Special
	Technical characteristics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X	Support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	number of tools
X	Documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X	Stability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X	Ease of identification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X	Ease of validation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X	Lossiness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X	IPR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
X	Complexity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Preservation Planning with Plato

Plato

- Runs experiments and documents results
- Allows definition of transformation rules, weightings
- Performs evaluation, sensitivity analysis,
- Provides recommendation (ranks solutions)

PLANETS Preservation Planning Tool (Plato)

Project Define Requirements Evaluate Requirements Consider Results

Polar bear image archive (flockout_kurowski.html)

Define the alternatives of the Project

ID	Name	Description	Remove
196016	TIFF (tool A)	Convert to TIFF using the well-tested and expensive tool 'A'	<input type="button" value="Remove"/>
196613	TIFF (tool B)	Convert to TIFF/B using this new tool named 'B'	<input type="button" value="Remove"/>
196614	GIF (tool C)	Convert to GIF using the well-tested tool 'C'	<input type="button" value="Remove"/>
196615	PNG (tool D)	Convert to PNG using the well-tested tool 'D'	<input type="button" value="Remove"/>

Create alternatives from applicable services

Sample record #1 has format JPEG File Interchange Format, 1.01.
You can look up services that are able to handle this object type in the following registries:

PLANETS Preservation Action Tool Registry

Preservation Action	Target Format	Info
JP2 > BMP	Windows Bitmap, version 3.0	JP2>BMP
<input checked="" type="checkbox"/> JP2 > TIF	Tagged Image File Format, version 3	JP2>BMP>TIF
<input type="checkbox"/> JP2 > TIF #2	Tagged Image File Format, version 3	JP2>TIF
<input checked="" type="checkbox"/> JP2 > TIF_2	Tagged Image File Format, version 3	JP2>TIF_2
<input type="checkbox"/> JP2 > PNG	Portable Network Graphics, version 1.0	JP2>PNG
<input type="checkbox"/> JP2 > JPEG	JPEG 2000	JP2>JP2

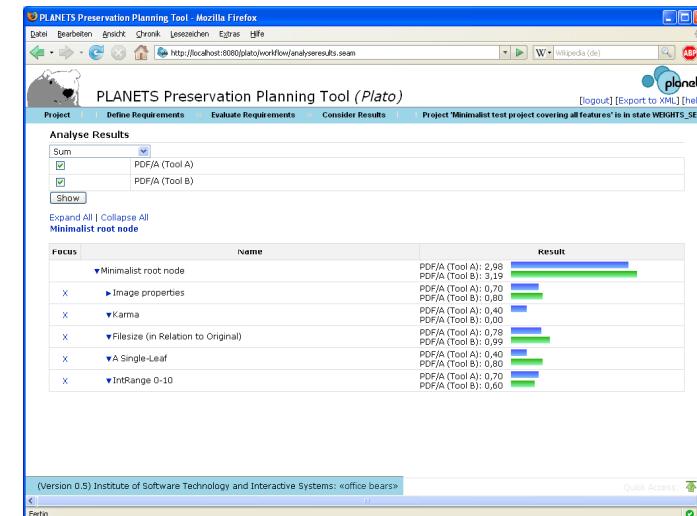
PLANETS Service Registry

Show Preservation Services

CBR Service Registry

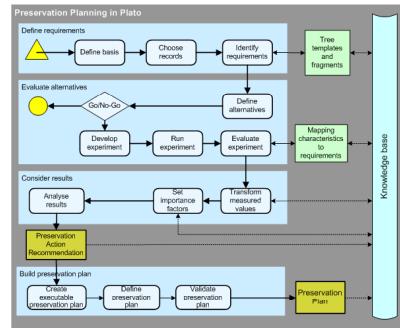
Show Preservation Services

Release 1.2 - Institute of Software Technology and Interactive Systems: «off-ice bears»



FACULTY OF INFORMATICS

Thank you!



<http://www.ifs.tuwien.ac.at/dp>

