



# Preservation planning with Planets

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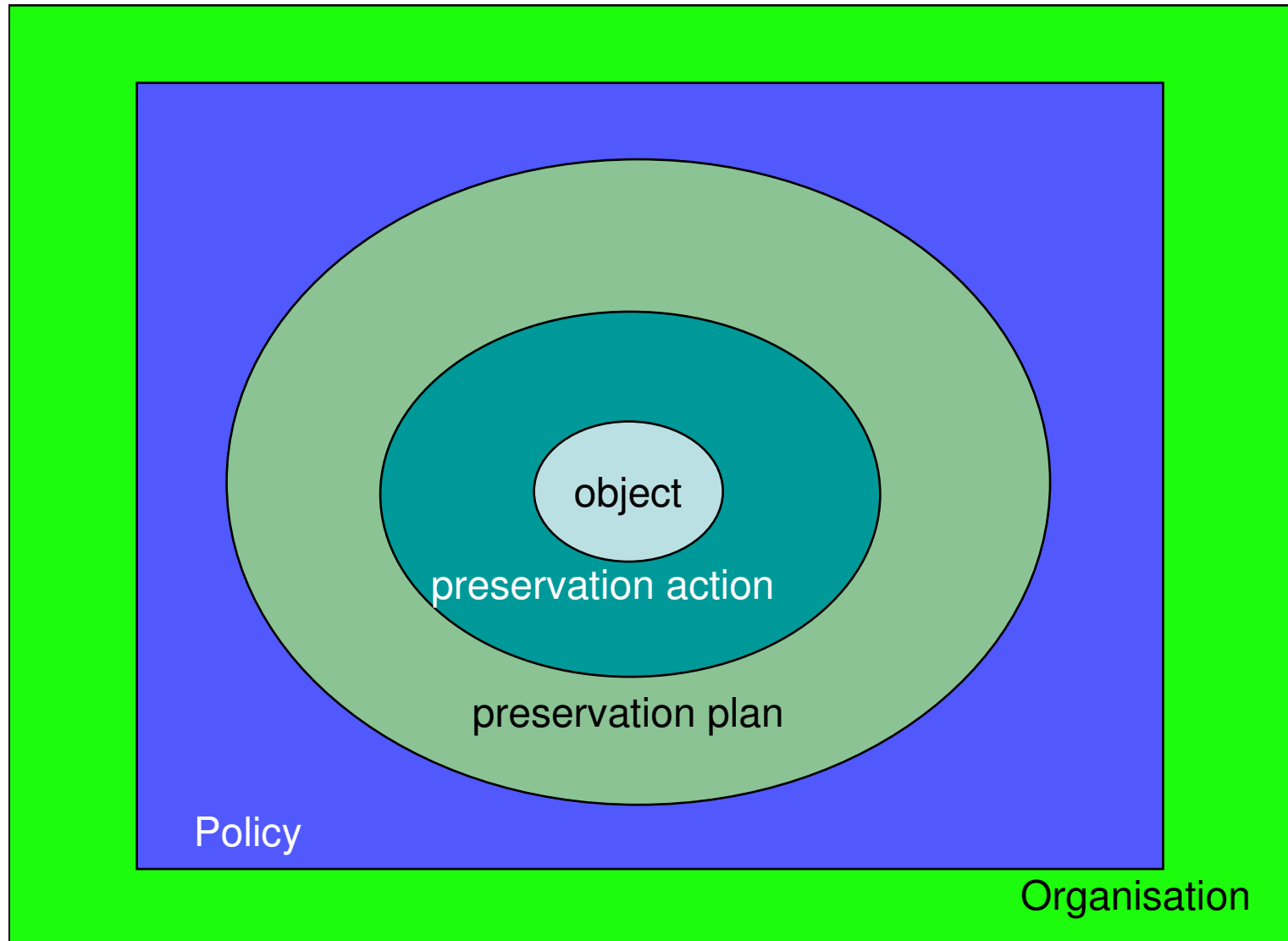


# Outline and schedule

- Recap
- Plato walk-through
- Scenario
- Exercise 1: Select sample objects
- Exercise 2: Create an objective tree



# Preservation plan in context



Ownership  
Awareness  
Responsibility

# Definition of a Preservation Plan

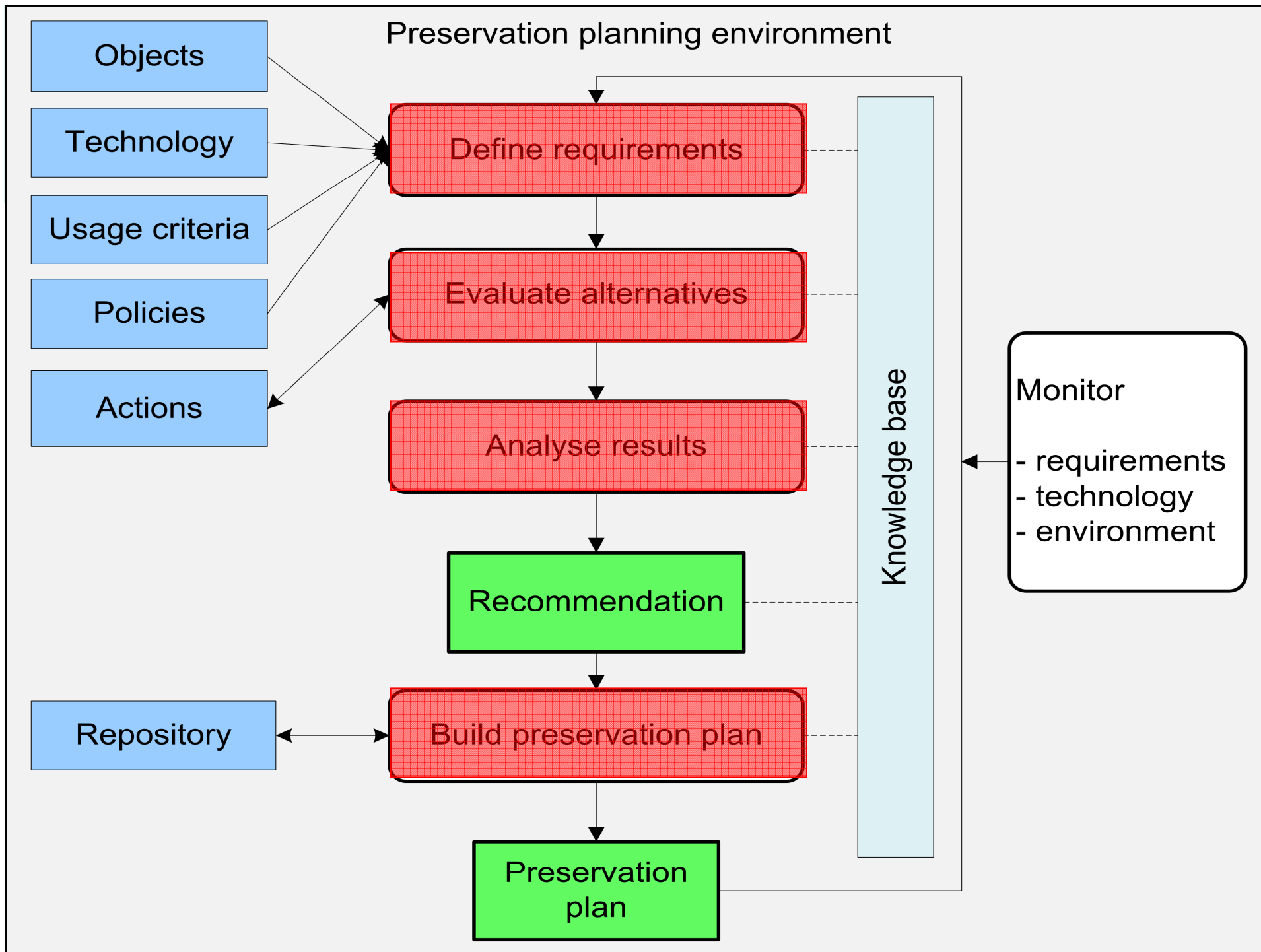
- ‘A **preservation plan** defines a series of preservation actions to be taken by a responsible institution to address an identified risk for a given set of digital objects or records (called collection).’
- The Preservation Plan takes into account the preservation **policies, legal obligations, organisational and technical constraints, user requirements and preservation goals.**
- It also describes the preservation **context, the evaluated alternative preservation strategies and the resulting decision** for one strategy, including the rationale of the decision



# 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
  - Evaluating preservation strategies on representative samples according to specific requirements and criteria





# Preservation Planning Workflow

## Preservation Planning in Plato

### Define requirements



Define basis

Choose records

Identify requirements

Tree templates and fragments

### Evaluate alternatives



Go/No-Go

Define alternatives

Develop experiment

Run experiment

Evaluate experiment

Mapping characteristics to requirements

### Consider results

Analyse results

Set importance factors

Transform measured values

Preservation Action Recommendation

### Build preservation plan

Create executable preservation plan

Define preservation plan

Validate preservation plan

Preservation Plan

Knowledge base

# Preservation Planning in Plato

- Web based planning tool implementing the Planets preservation planning workflow
- Publicly available
- Automation of the planning process
  - Integration of registries and services for
    - File format identification
    - Preservation action (migration, emulation...)
    - Characterisation and comparison
- Knowledge base to support planning





# Plato walk-through



Welcome to *Plato*, the Planets Preservation Planning Tool



[Introduction](#)

[Documentation](#)

[Case Studies](#)

[Events](#)

[History](#)

## Introduction

### What is Plato?

The fast changes of technologies in today's information landscape have considerably shortened the lifespan of digital objects. Digital preservation has become a pressing challenge. Different strategies such as migration and emulation have been proposed; however, the decision for a specific tool e.g. for format migration or an emulator is very complex. The process of evaluating potential solutions against specific requirements and building a plan for preserving a given set of objects is called preservation planning. So far, it is a mainly manual, sometimes ad-hoc process with little or no tool support. The planning tool **Plato** is a decision support tool that implements a solid preservation planning process and integrates services for content characterisation, preservation action and automatic object comparison in a service-oriented architecture to provide maximum support for preservation planning endeavours.

This software is licensed under the [CC-GNU LGPL](#) version 2.1 or later. The source code can be downloaded from our [project repository](#)

[Click here to enter Plato.](#)



# Scenario

- National library
- Scanned yearbooks archive
- GIF images
- The purpose of this plan is to find a strategy on how to preserve this collection for the future, i.e. choose a tool to handle our collection with.
- The tool must be compatible with our existing hardware and software infrastructure, to install it within our server and network environment.
- The files haven't been touched for several years now and no detailed description exists. However, we have to ensure their accessibility for the next years.
- Re-scanning is not an option because of costs and some pages from the original newspapers do not exist anymore.



# Exercises

- Exercise 1: Basic questions, Collection
  - Describe your collection, your objects
  - Describe the designated community, organisation...
  - Document that shortly to have a common basis
  - Select representative sample objects from the collection on the USB stick
- Exercise 2: Requirements definition
  - Define the assigned branch of the tree
  - Assign measurable units
  - Set high-level importance factors



# Groups

Group	1	2	3	4
Focus	<b>Object+Process characteristics</b>	<b>Object+Process characteristics</b>	<b>Technical+Costs</b>	<b>Technical+Costs</b>
Room	<b>Arena Hall</b>	<b>Serdica Hall</b>	<b>Sofia Hall</b>	<b>Forum Hall</b>
	Maurice van den Dobbelsteen	Clive Billenness	Amir Bernstein	Sara van Bussel
	Nataliya Angelova Zoran Bjin Luga Behije Dina Crnec Bruno Dobric Gabrijela Gavran Maurizio Gentilini	Kim Sommerville Niels Hoppe Frank Houtman Mile Jovanov Vanja Jovišic Rudolf Müller Tarvo Kärberg Bojan Marinkovic	Marija Milhova Brian Hole Temenuga Kalcheva Nicolaie Constantinescu Eleni Novakovska Krunoslav Rendulic Johann-Baptist Schrall Tanya Stoyanova	Serap Kurbanoglu Joyce Rambo Stefan Stefanov Dumitru Tkacenko Yasar Tonta Alen Vodopijevic Kaloyan Zdravkov



# Schedule

10:30-10:45 Coffee break

10:45-11:15 Define objective tree

11:30-11:45 Presentation and discussion

11:45 Walk-through in Plato

12:00 Lunch break



# Questions?

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[www.ifs.tuwien.ac.at/dp/plato](http://www.ifs.tuwien.ac.at/dp/plato)

[www.planets-project.eu](http://www.planets-project.eu)



