



TOOLS FOR A LONG-TERM PRESERVATION OF DIGITAL DOCUMENTS

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|| Digital preservation

essential characteristics:

- maintain enduring authenticity, understandability, renderability, viability, integrity, identity and availability

State-of-the-art

FreeMind, Bubbl.us

Choosing

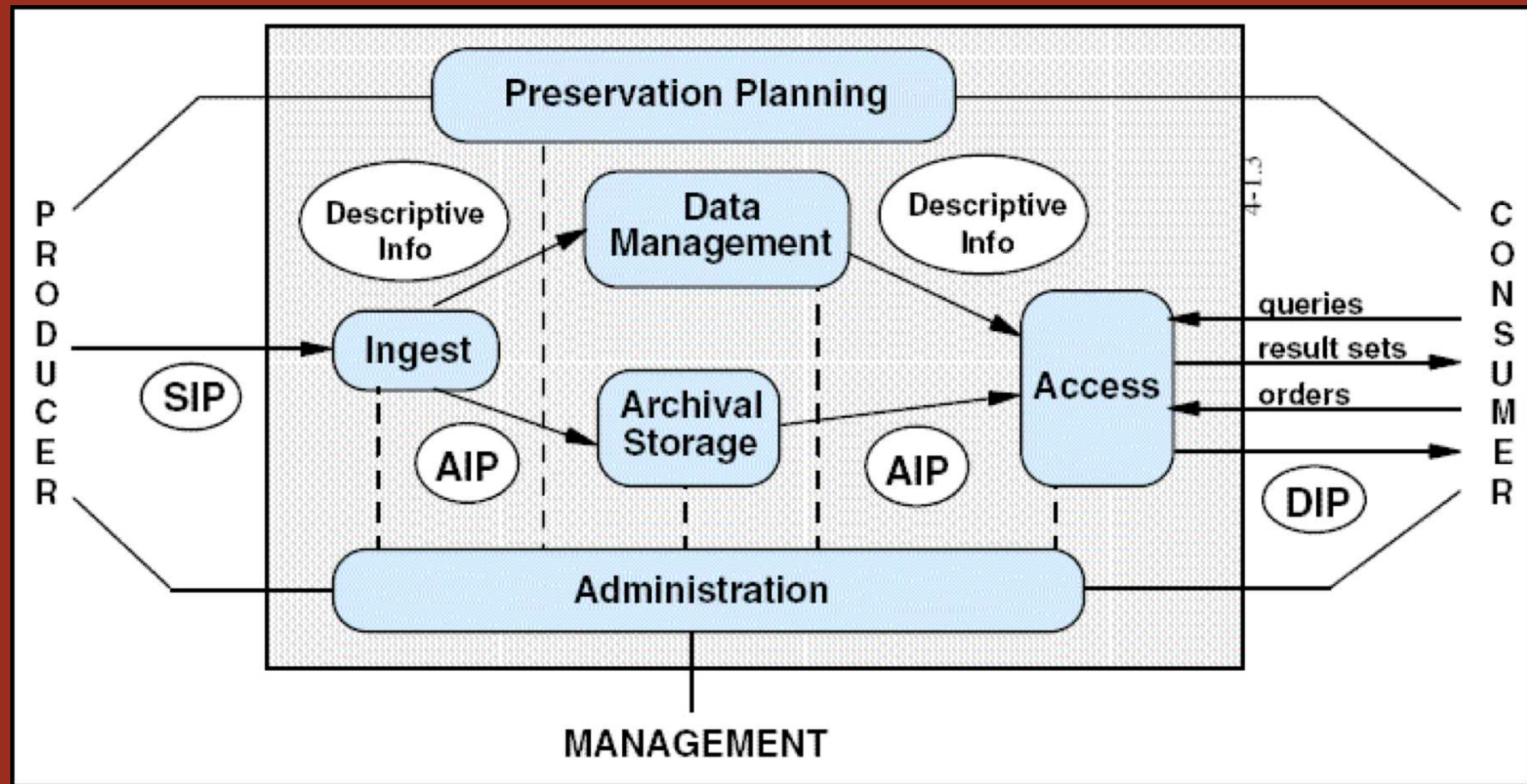
Platter

Testing

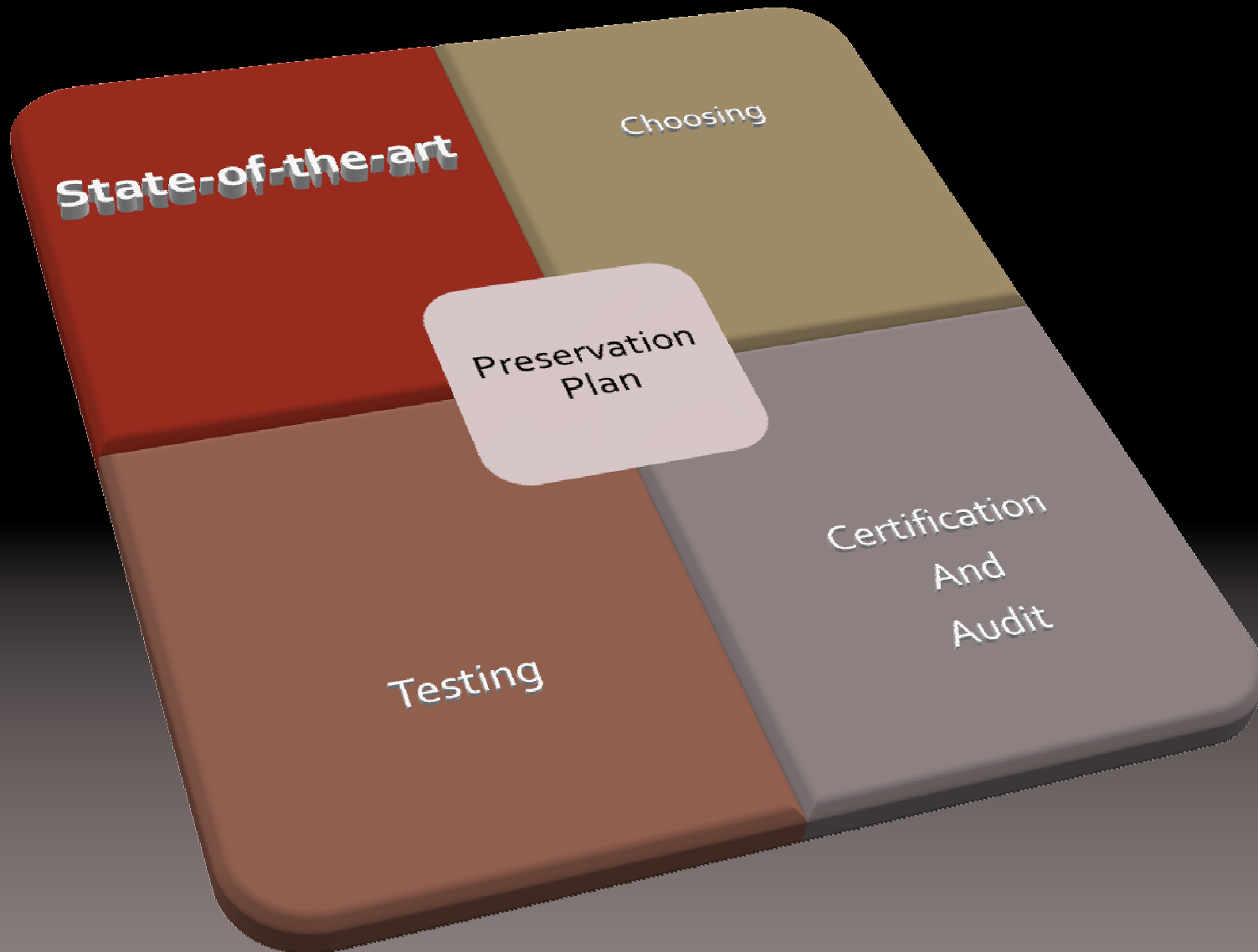
Plato

Certification and Audit

Nestor, TRAC, DRAMBORA



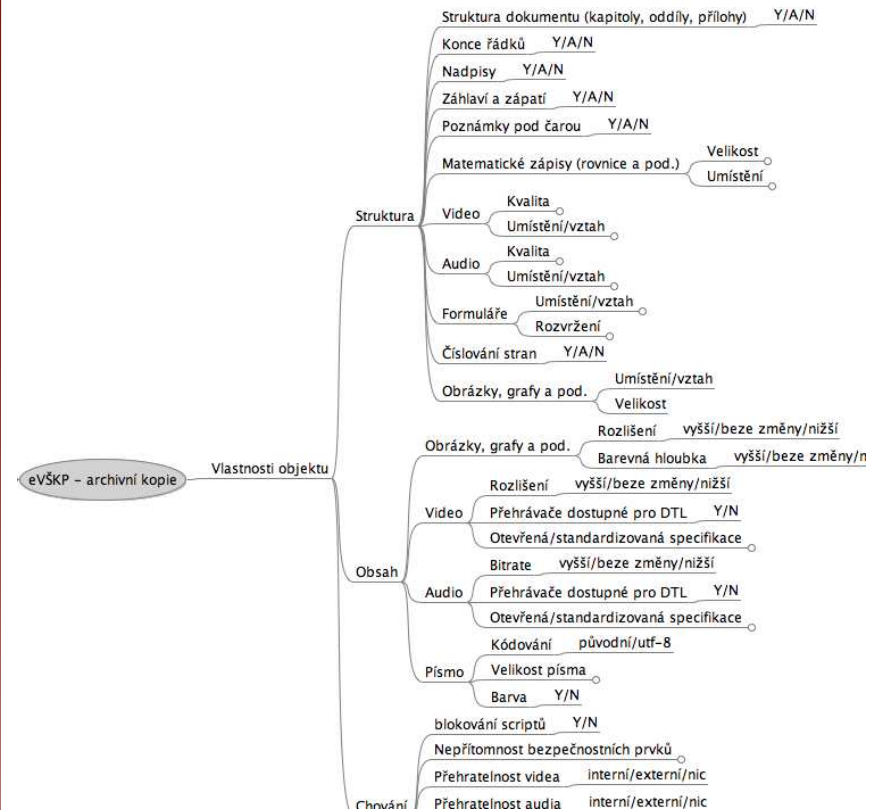
OAIS reference model



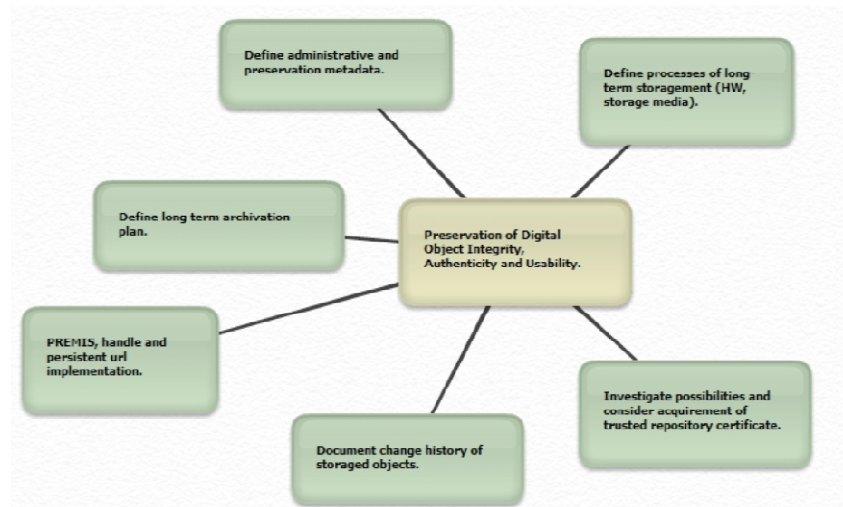
Mind-maps & tools

Free Mind

- written in Java, available for many operating systems (MS Windows, Mac OS X, Linux, eComStation platforms)
- it exists as a client application only
- indisputable advantage is integration into the planning tool PLATO

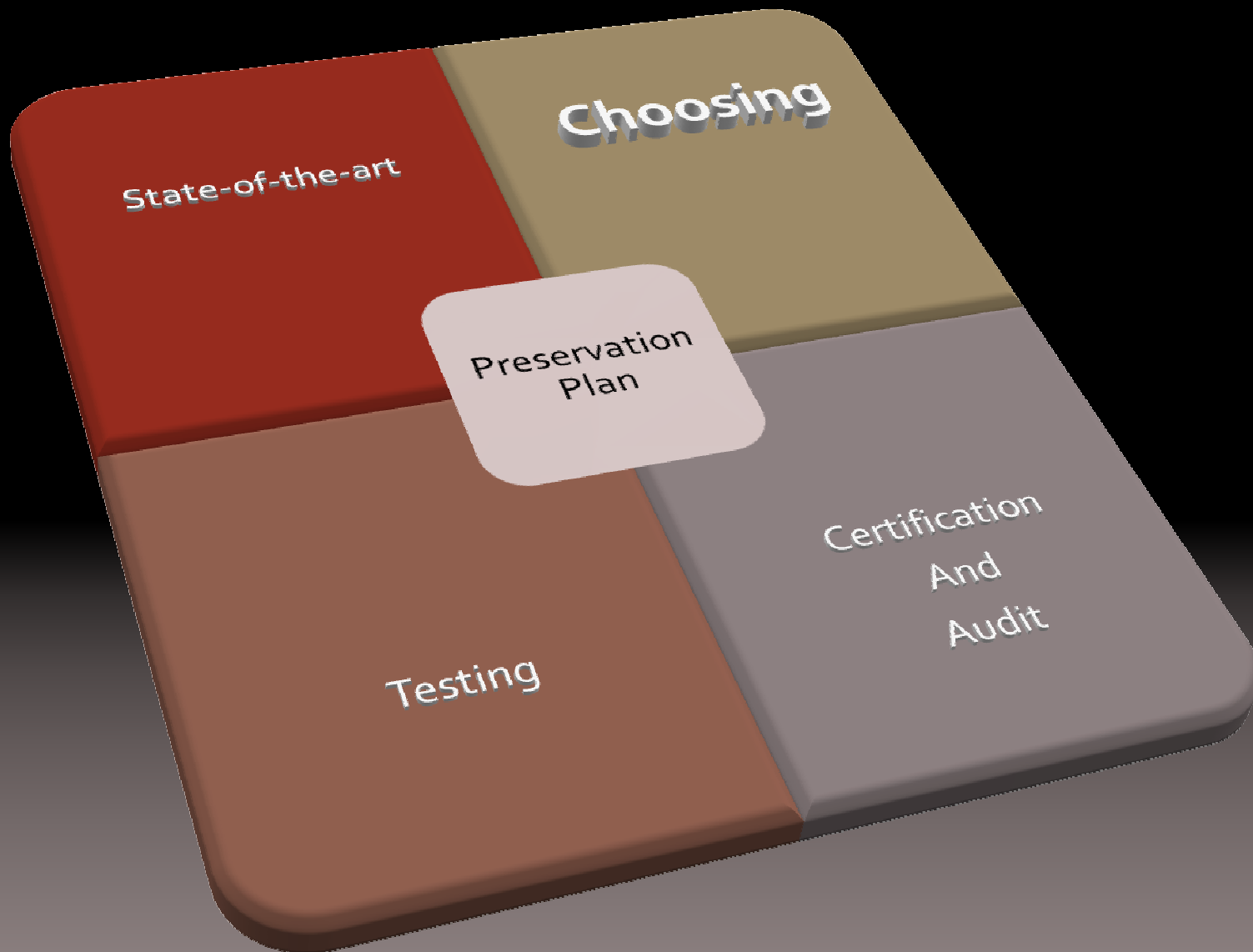


|| Mind-maps & tools



Bubbl.us

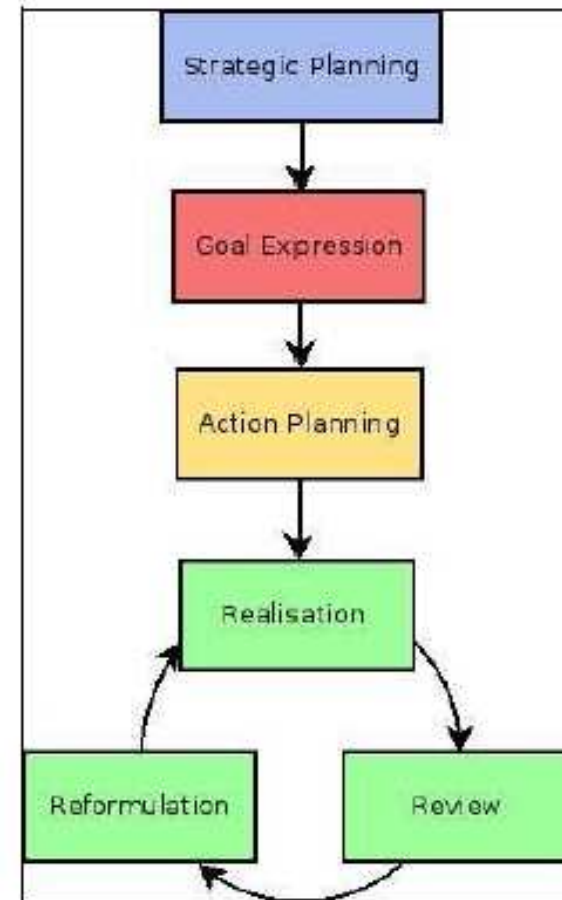
- an easy-to-use, online and free tool
- mind maps can be shared, posted to a web site or blog, sent via e-mail, printed or saved as an image

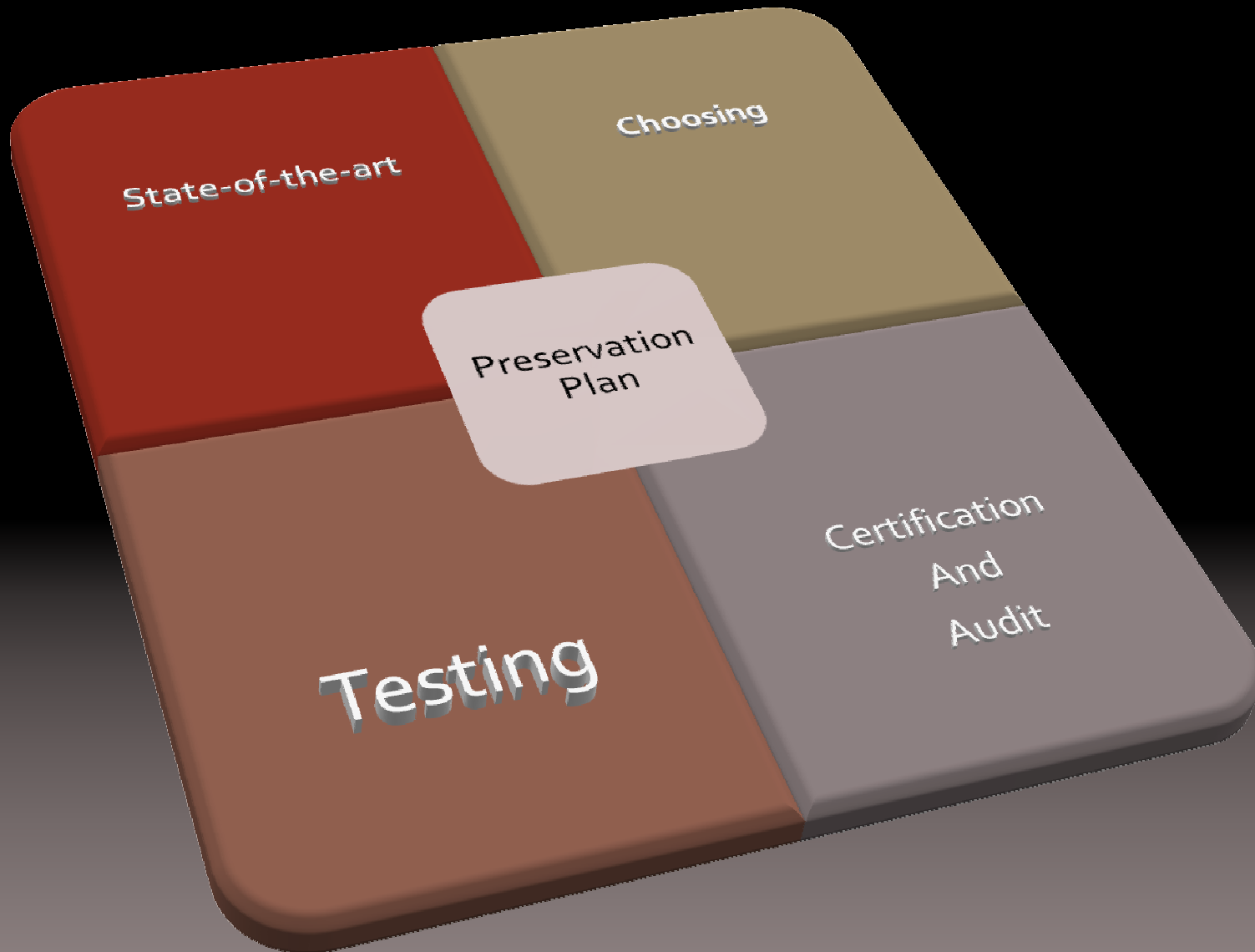


Platter - Planning Tool for Trusted EI. Repositories

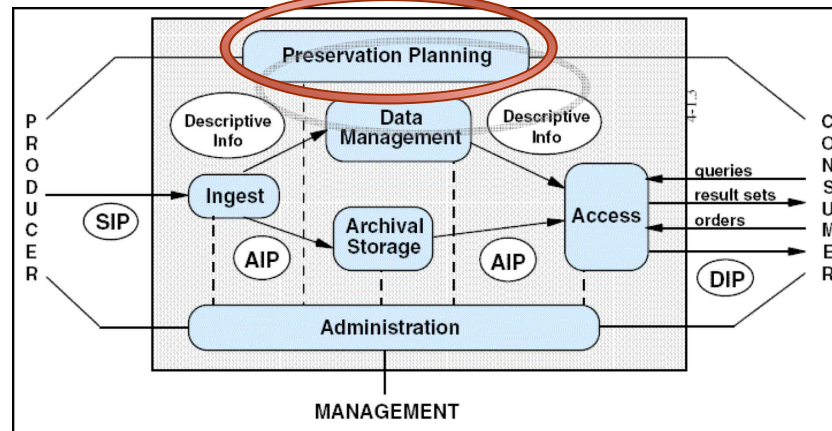
Platter

- not an audit or certification tool, but rather a „cookbook“
- allows new repositories to incorporate the goal of planning the long-term preservation issues from an early stage
- it has been designed to support both checklist and risk-analysis based approaches to audit
- repositories are trusted if they meet predefined criteria
- **identification of strong and weak points of our present (or future) repository**





Plato - Planets Preservation Planning Tool



Plato

- based on OAIS
- supports decision making in the field of preservation planning
- attention on testing
- three stages and eleven steps

Plato - Planets Preservation Planning Tool

Workflow

1. Define requirements

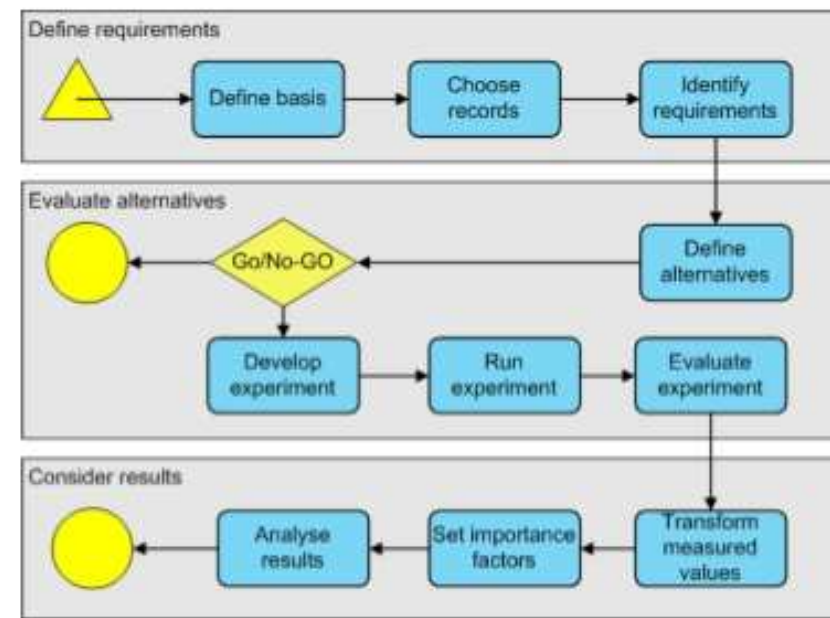
- define basis - basic information about collection and its context
- choose records
- identify requirements - repository objectives
 - file characteristics
 - record characteristics
 - process characteristics
 - costs

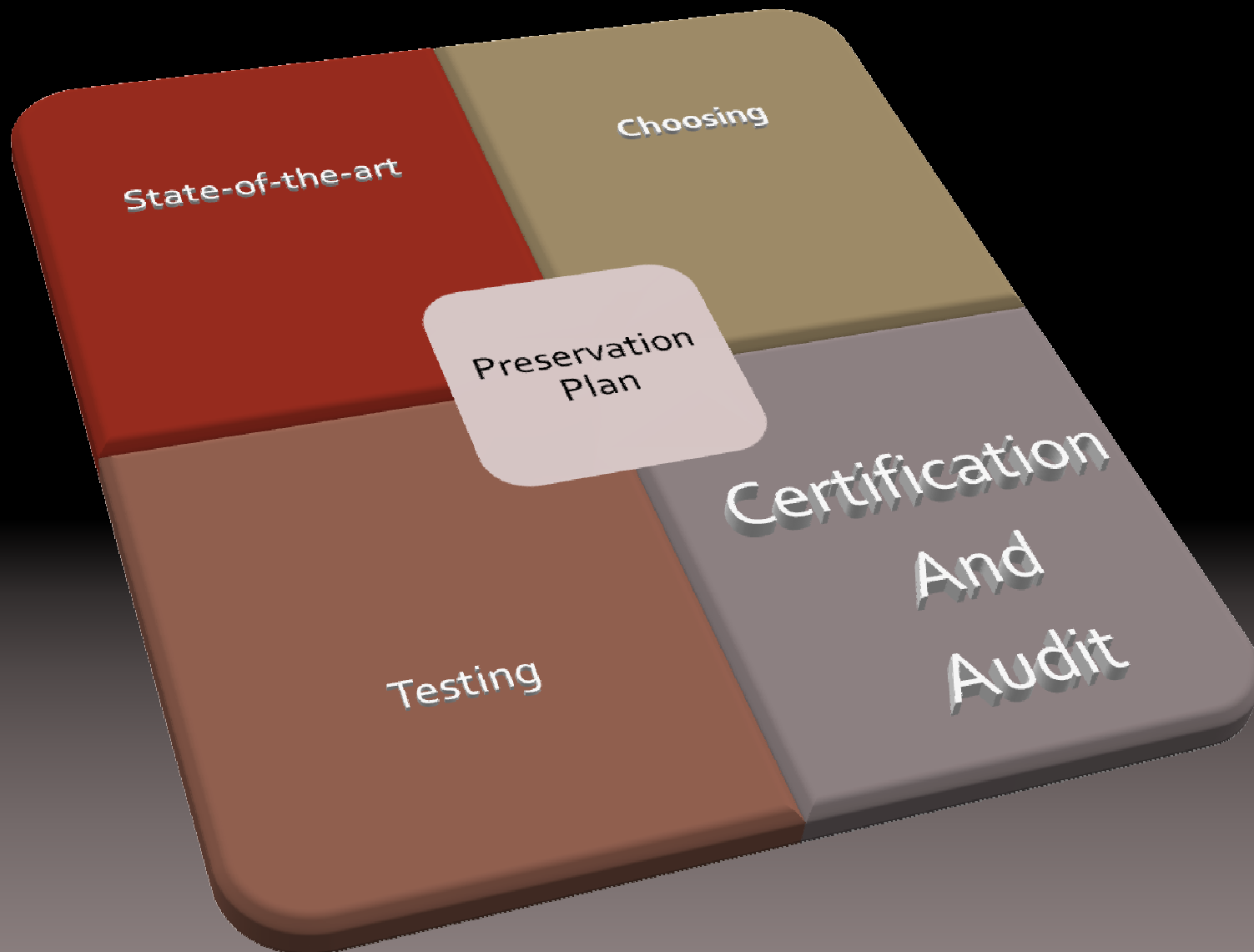
2. Evaluate alternatives

- define alternatives
- develop, run and evaluate experiment

3. Consider results

- transform measured values
- set importance factors
- analyse results





|| NESTOR & TRAC audits

NESTOR

(Network of Expertise in Long-Term Storage
and Long-Term availability of Digital Resources in Germany)

Evaluation and certification:

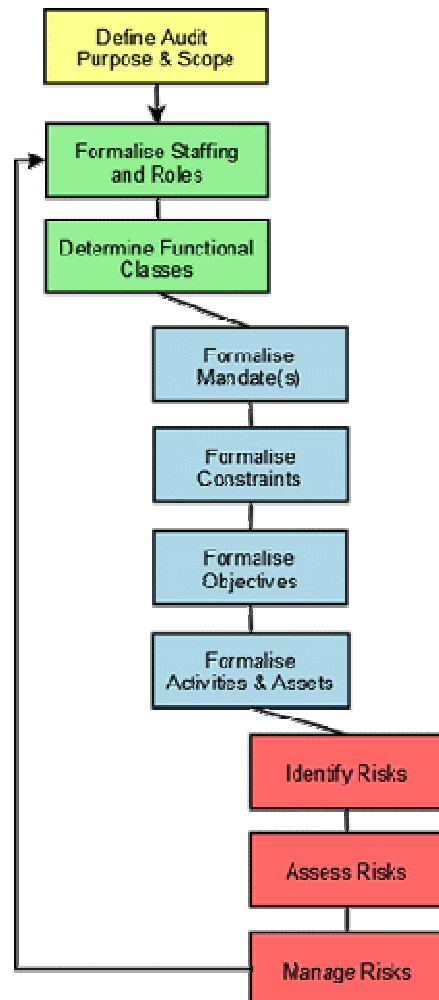
1. organisation
2. digital object and technology management
3. infrastructure and security

TRAC

(Trustworthy Repositories Audit & Certification : Criteria and Checklist)

- paid certification
- conducted at e.g. - USA, Netherlands, New Zealand

|| Certification and Audit



DRAMBORA

(Digital Repository Audit Method Based on Risk Assessment)

- based on risk management
- repository audit or self-audit
- since January 2008
DRAMBORA Interactive
- outputs :
 - register of indentified risks
 - structured audit report.



QUESTIONS & COMMENTS