

DIGITAL IMAGING VIEW OF DIGITAL PRESERVATION

Presentation by:

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DIGITAL PRESERVATION

- ◆ *What does “Digital Preservation” really mean?*
- ◆ *Why is preserving digital documents difficult?*
- ◆ *What is the process for “Digital Preservation?”*

DIGITAL PRESERVATION

What does “Digital Preservation” really mean?

“Enable reliable, authentic, meaningful and accessible records to be carried forward through time within and beyond organizational boundaries for as long as they are needed for the multiple purposes they serve.”

--Sue McKemmish, School of Information Management, Monash University

DIGITAL PRESERVATION

What does “Digital Preservation” really

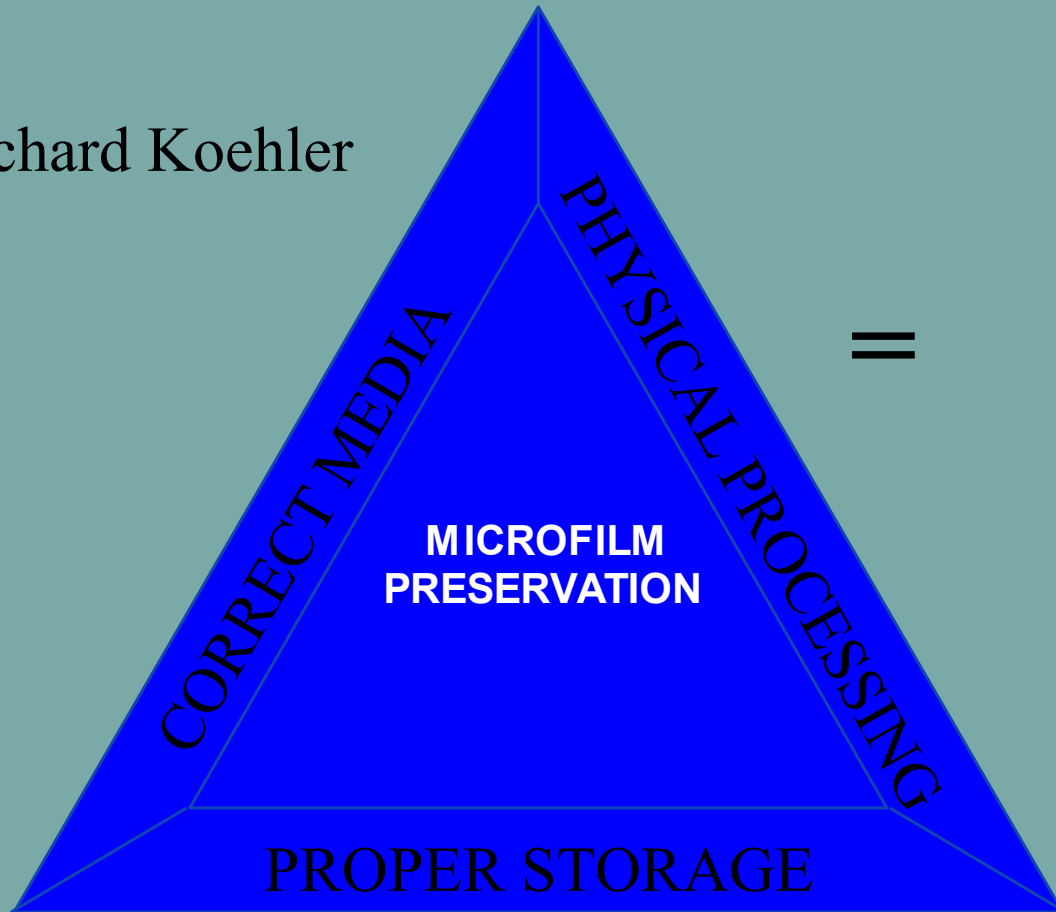
Preservation should allow future users mean? to:

- ◆ ***Retrieve, access, decipher, view, interpret, understand, appreciate and experience***
- ◆ ***Informational artifacts (i.e. documents, data, records, sound, movie, etc.)***
- ◆ ***In whatever way and for whatever purpose are desired in the future***

DIGITAL PRESERVATION

MICROFILM ARCHIVAL TRIANGLE

Richard Koehler



=

Long Term
Preservation

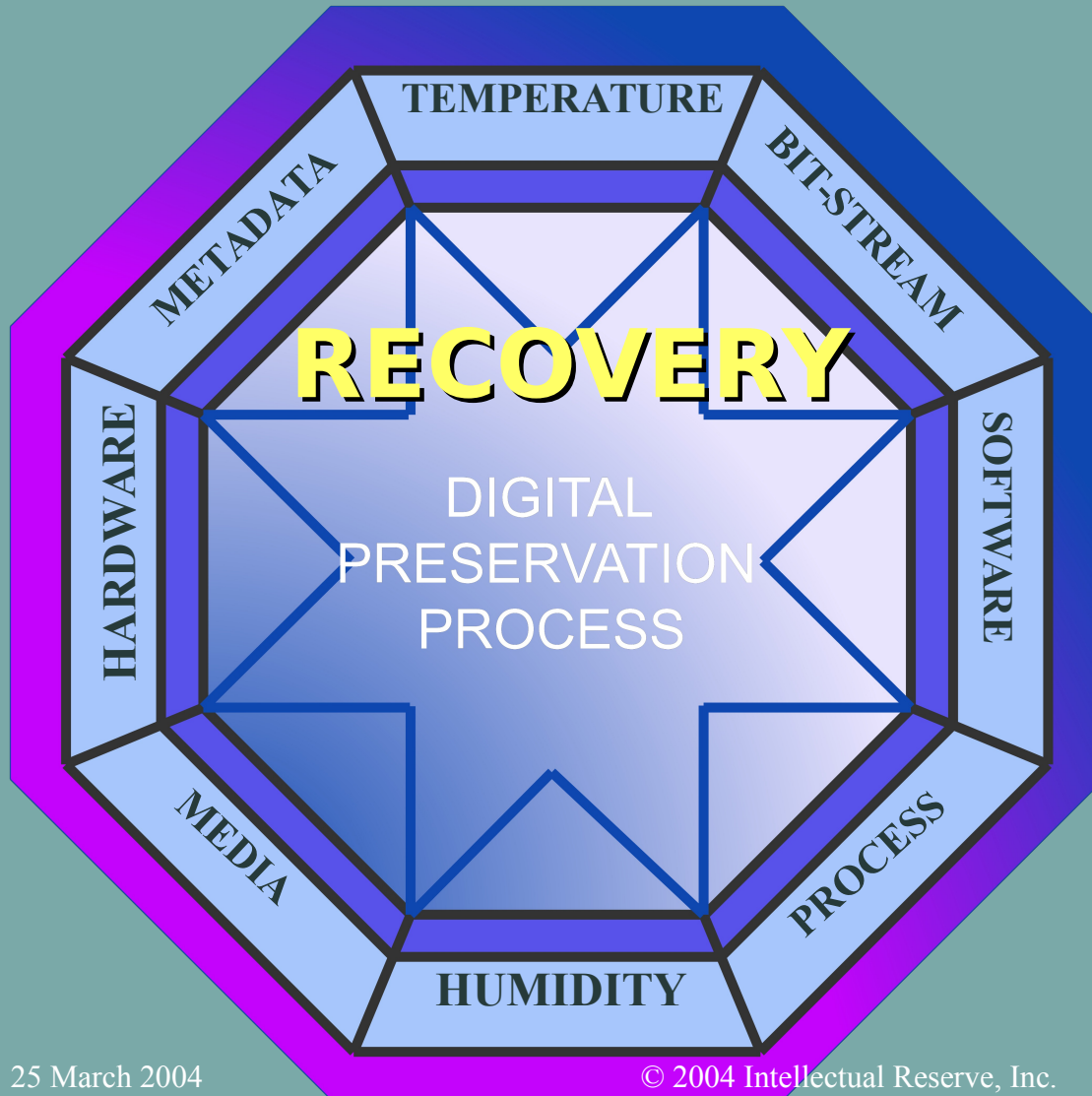
DIGITAL PRESERVATION

DIGITAL PRESERVATION PROCESS

Why is preserving digital documents, objects, metadata, databases difficult?

DIGITAL PRESERVATION

DIGITAL PRESERVATION PROCESS



If All Elements are
Handled Correctly

Then

= Long Term
Preservation

DIGITAL PRESERVATION

***PRESERVATIO
N
PROCESS***

DIGITAL PRESERVATION

DIGITAL PRESERVATION PROCESS



DIGITAL PRESERVATION

WHAT TYPE OF DIGITAL PRESERVATION

SECURITY SYSTEM
ADMINISTRATION
STRATEGY

ORGANIZATIONAL
STRATEGY

STANDARDS
STRATEGY

CREATION OF
BACKUPS
STRATEGY

REFRESH
STRATEGY

MULTIPLE
ACQUISITIONS
STRATEGY

MIGRATION
STRATEGY

ANALOG
STRATEGY

LOCKSS
STRATEGY

TECHNOLOGY
STRATEGY

EMULATION
STRATEGY
ENCAPSULATION
STRATEGY

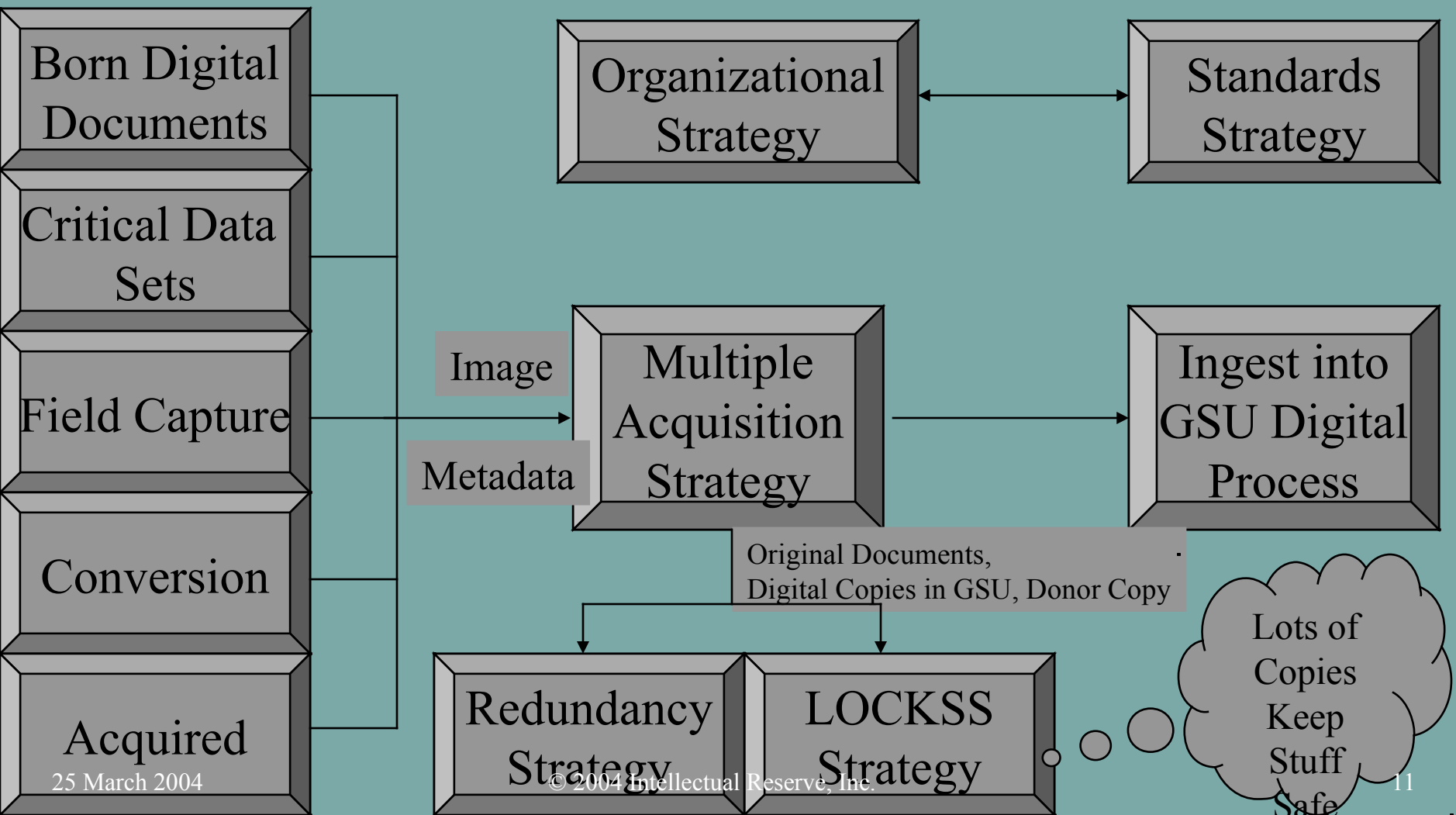
REDUNDANCY
STRATEGY

COMPUTER MUSEUM
STRATEGY

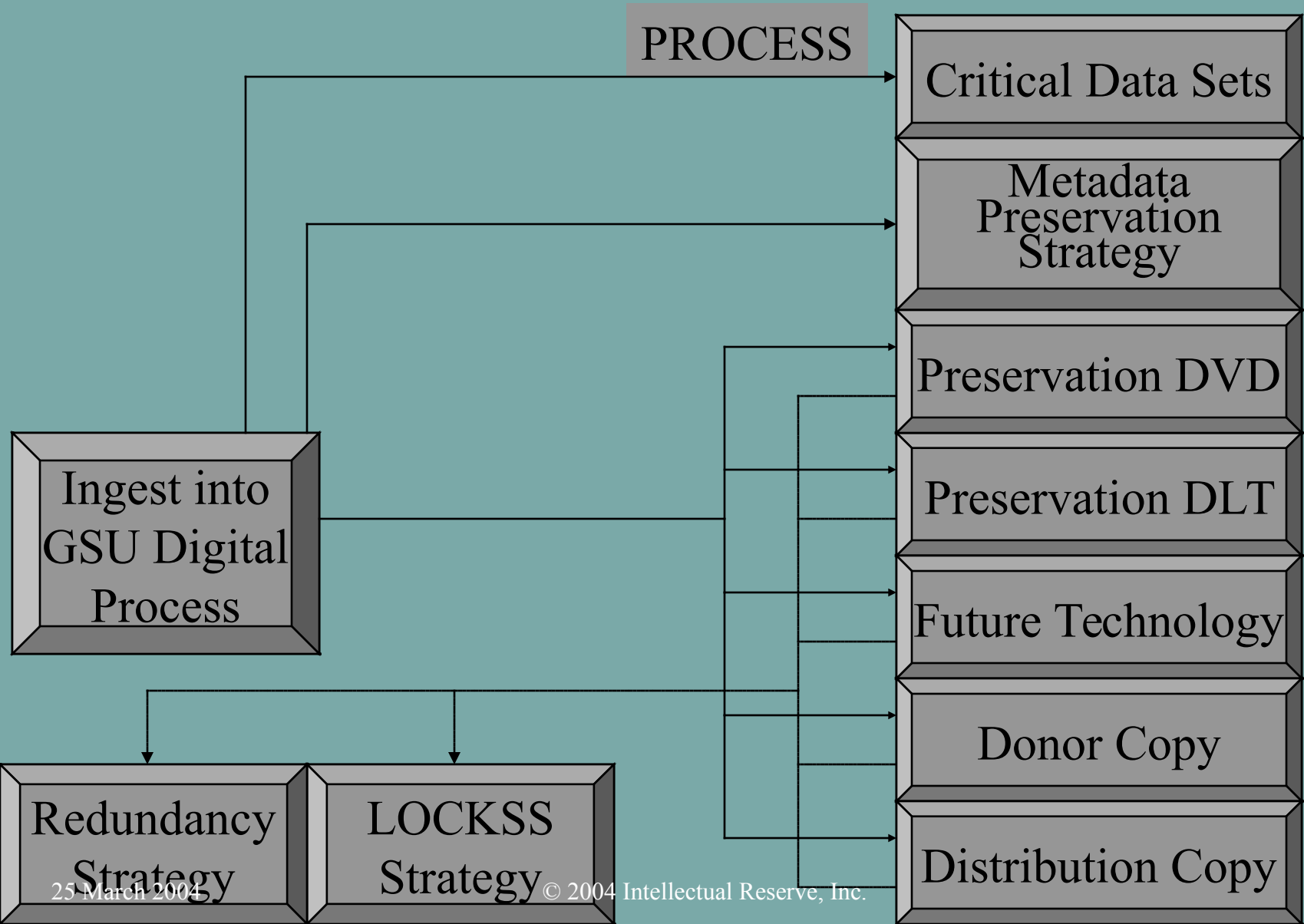
DIGITAL
ARCHEOLOGY
STRATEGY

DIGITAL PRESERVATION

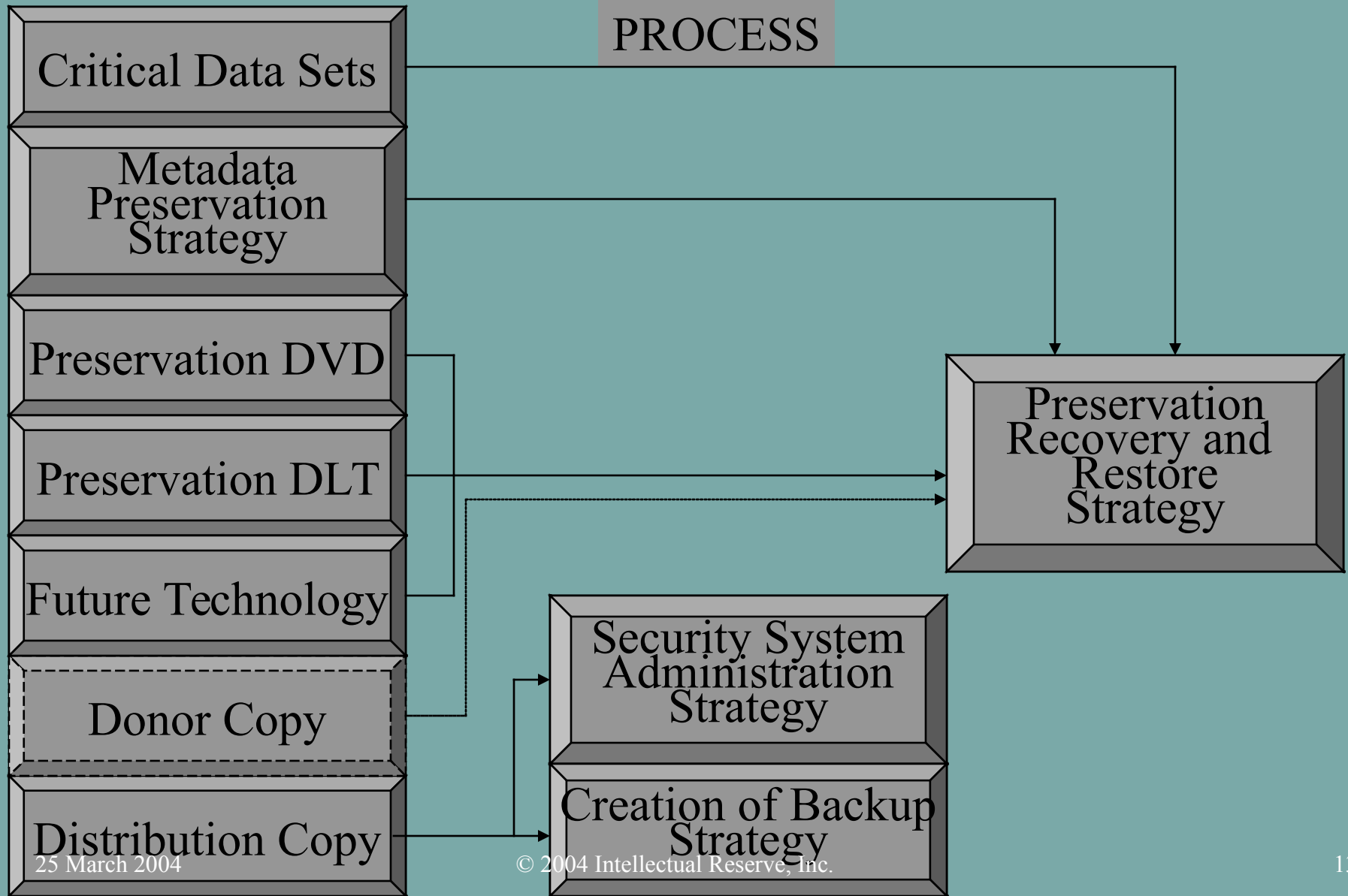
PROCESS



DIGITAL PRESERVATION

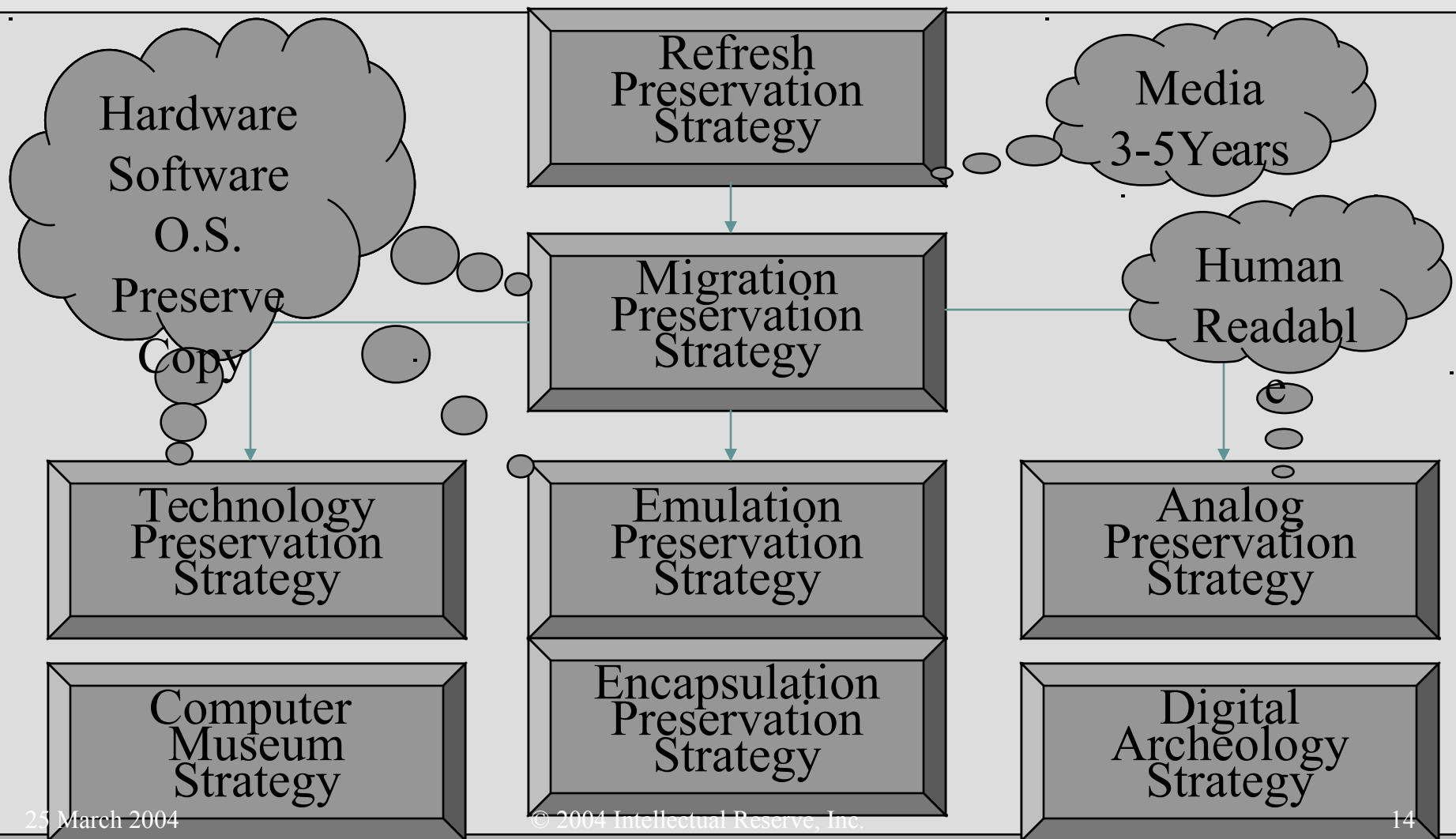


DIGITAL PRESERVATION



DIGITAL PRESERVATION

Preservation, Recovery, Restore Strategies



DIGITAL PRESERVATION

MICROFILM MIGRATION

NITRATE FILMS



UN-PLANNED
MIGRATION

ACETATE FILMS

POLYESTER FILMS



CORRECT MEDIA

MICROFILM
PRESERVATION

PHYSICAL PROCESSING

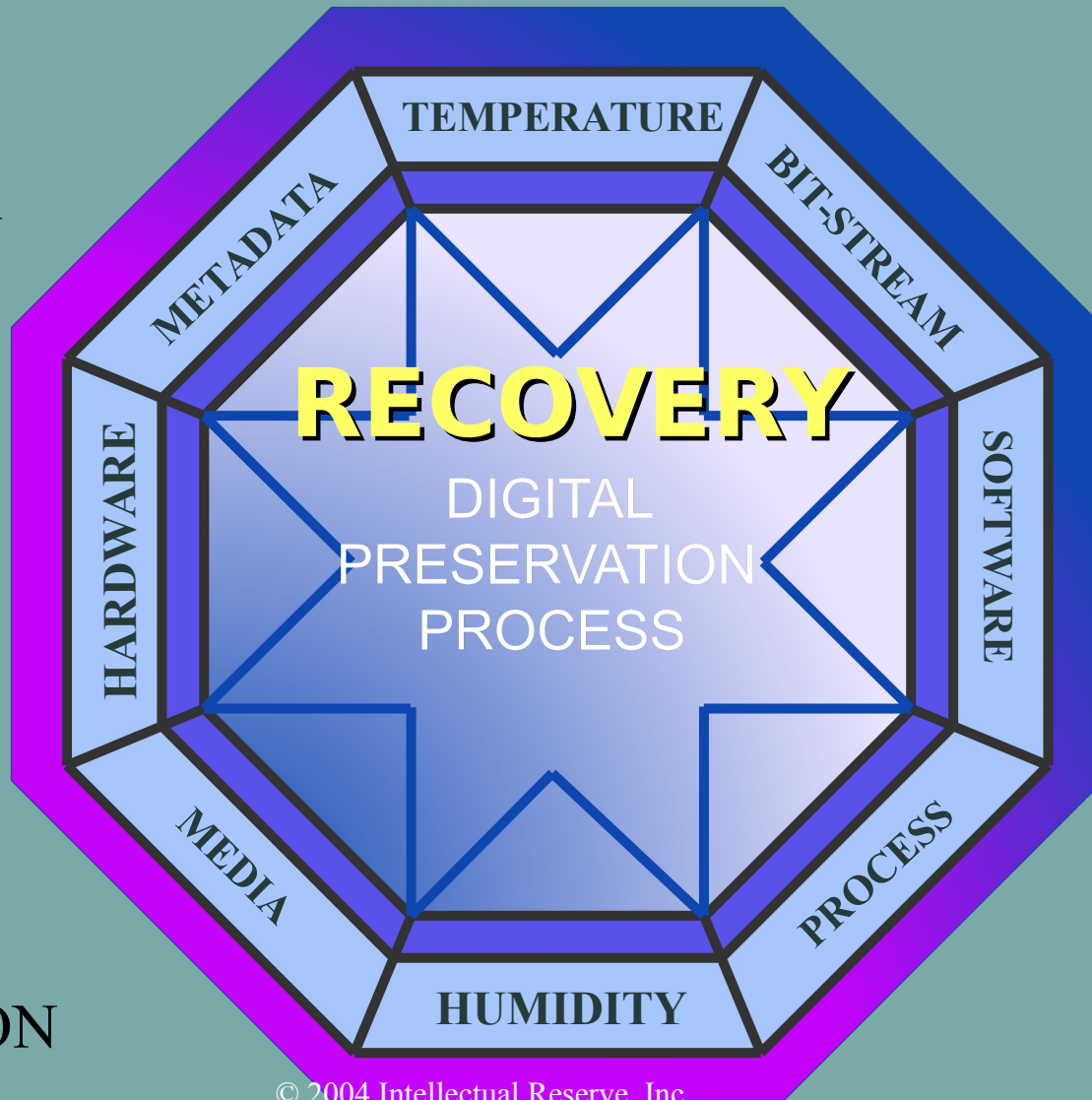
PROPER STORAGE



DIGITAL PRESERVATION

PLANNED
MIGRATION

WORKING
WITH
VENDORS



AUDIT OF
COLLECTION

INSURING
PROPER
STORAGE

DIGITAL PRESERVATION
QUESTIONS

DIGITAL PRESERVATION

Additional Slides not
Presented at the
Conference