

COST Mobilize

WG4: Data storage and archiving strategies

Scope of the Workshop

*.....to focus on identifying some general strategies in the **long-term storage and archiving of object data and assigned multimedia files**. This include the discussion on technical and content standards as well as specific conditions which might arise by legal and administrative requirements. We will address approaches of storage and archiving solutions as realised in large and small collections, and discuss the archiving systems of various national and European collection data networks and hosting agencies.....*

Members of group and representations

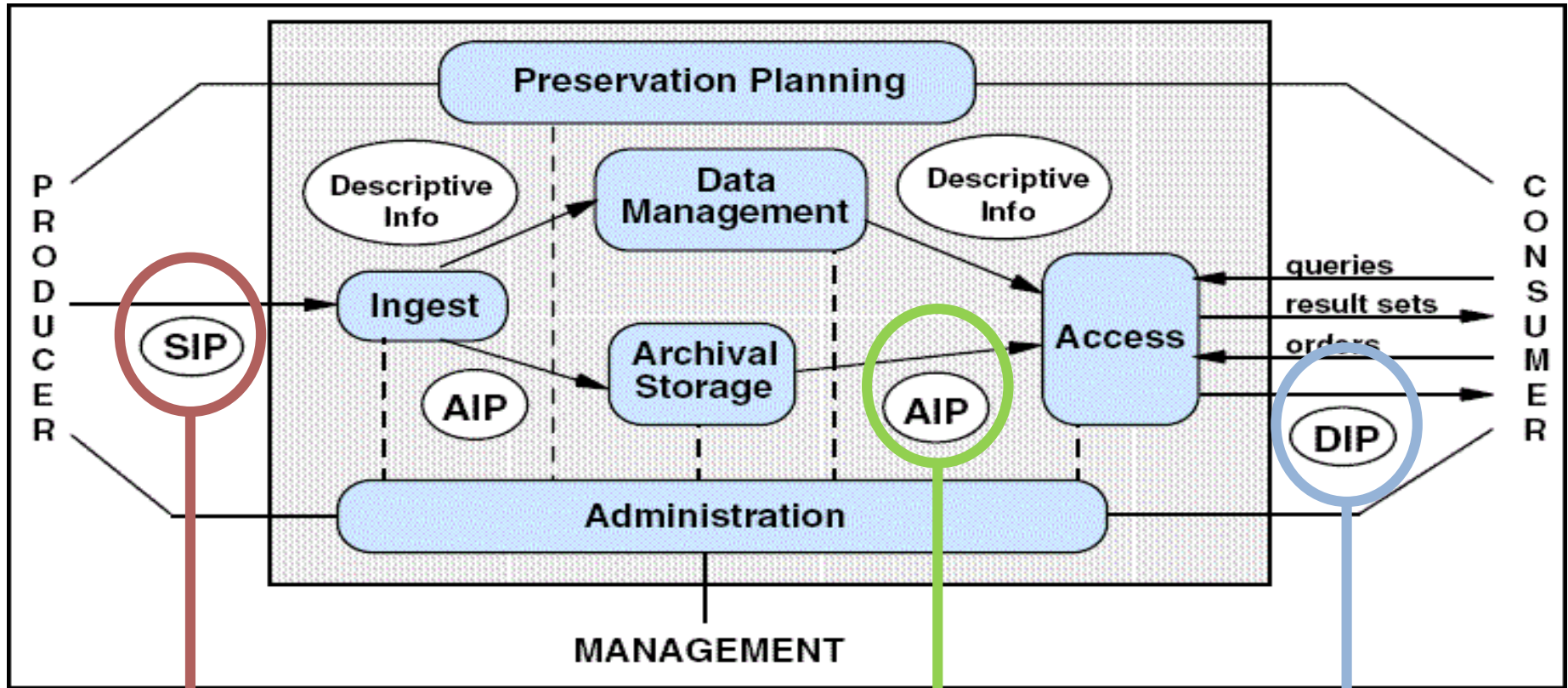
		Domain
Lorene Bechard	France	Data storage and archiving
Paul Braun	Luxembourg	Collection and data processing
Nicholas Cazenave	France	Computing centre, data storage and archiving
Alexander Chikalanov	Bulgaria	Library and data processing
Brecht Declercq	Belgium	Big data/audio-visual heritage
Pierre-Yves Gagnier	France	Collections management
Hilary Goodson		eInfrastructure
Peter Grobe	Germany	Collection and data processing
Gila Kahila Bar-Gal	Israel	Collection and data processing
Isabel Rey Fraile	Spain	Collection and data processing
Thorsten Struck	Norway	Big data storage and archiving, genomics
Dagmar Triebel	Germany	Collection and data processing
Phillip Wieder	Germany	Computer science, schemas and standards for archiving

What are we trying to achieve?

Aim of the recommendation: to develop a *framework* in order to interpret and evaluate best practices for adaptation and use

Within the context of what is needed if the physical object is gone what still makes it a valuable scientific object and what is the requirement of that ?

What is In Scope?



**Submission
Information
Package**

**Archival
Information
Package**

**Dissemination
Information
Package**

How do we frame this discussion?

1. Definitions and Scope

- what is archiving and what it is not
- who are the communities we are defining this for

2. Standards, standardisation, formats and norms

- Within the framework of OAIS standards, our focus is on AIP, always with thought to alignment with SIP and DIP as defined within their community areas/ working groups
- Documenting the parameters that define our scope
 - sustainability, reliability reachability

(cont.)

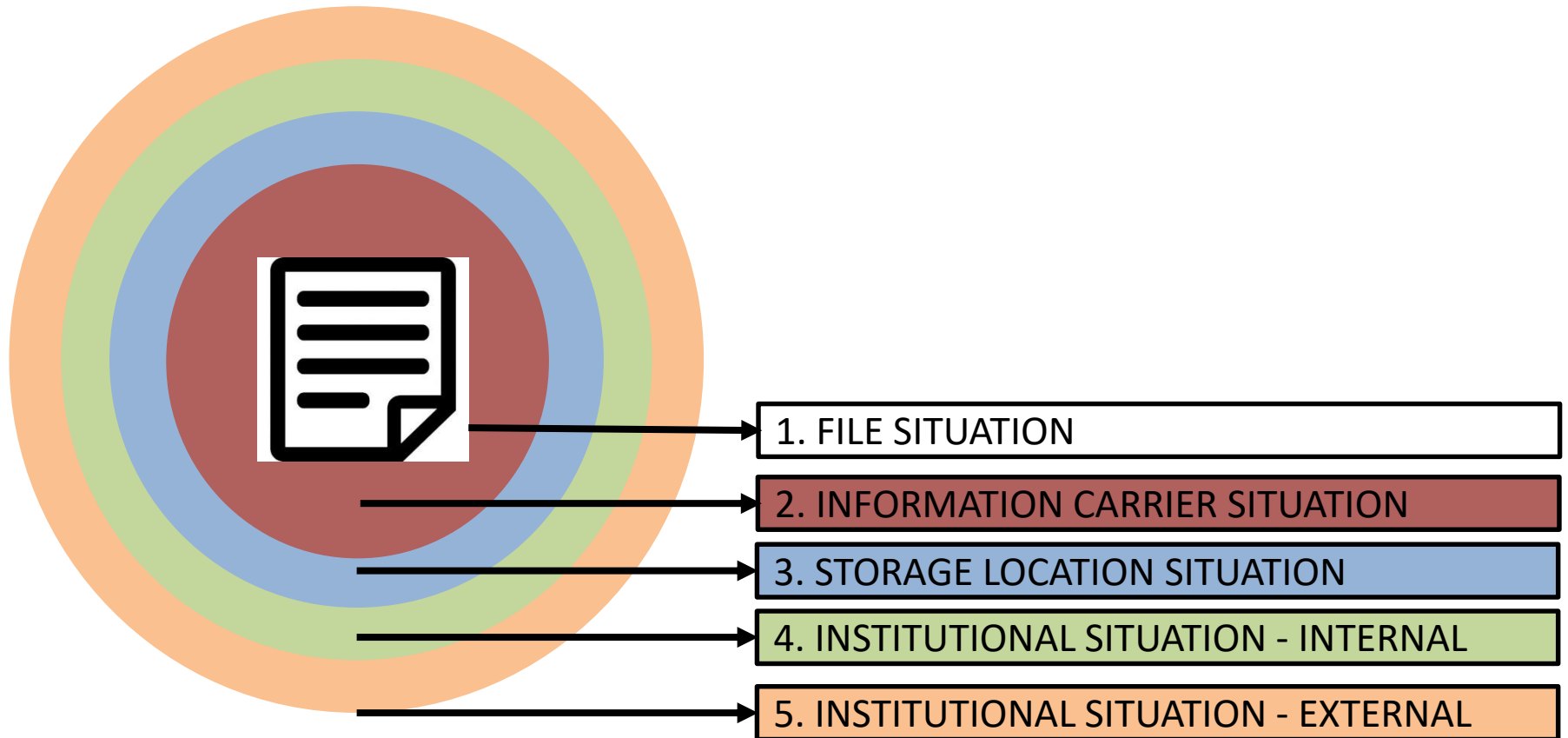
3. Large amount of data, archiving challenges

- Semantic Drift
- Provenance: metadata for archiving

Risk Management

- I. File situation
 - II. Information carrier situation
 - III. Storage location situation
 - IV. External factors to institution
 - V. Physical storage location
- Scalability
 - Legal ramifications of cloud migration

Complexity of Archiving Processes and Factors



Next steps:

Google doc begun.....