

Knowledge is power
Don't lose it



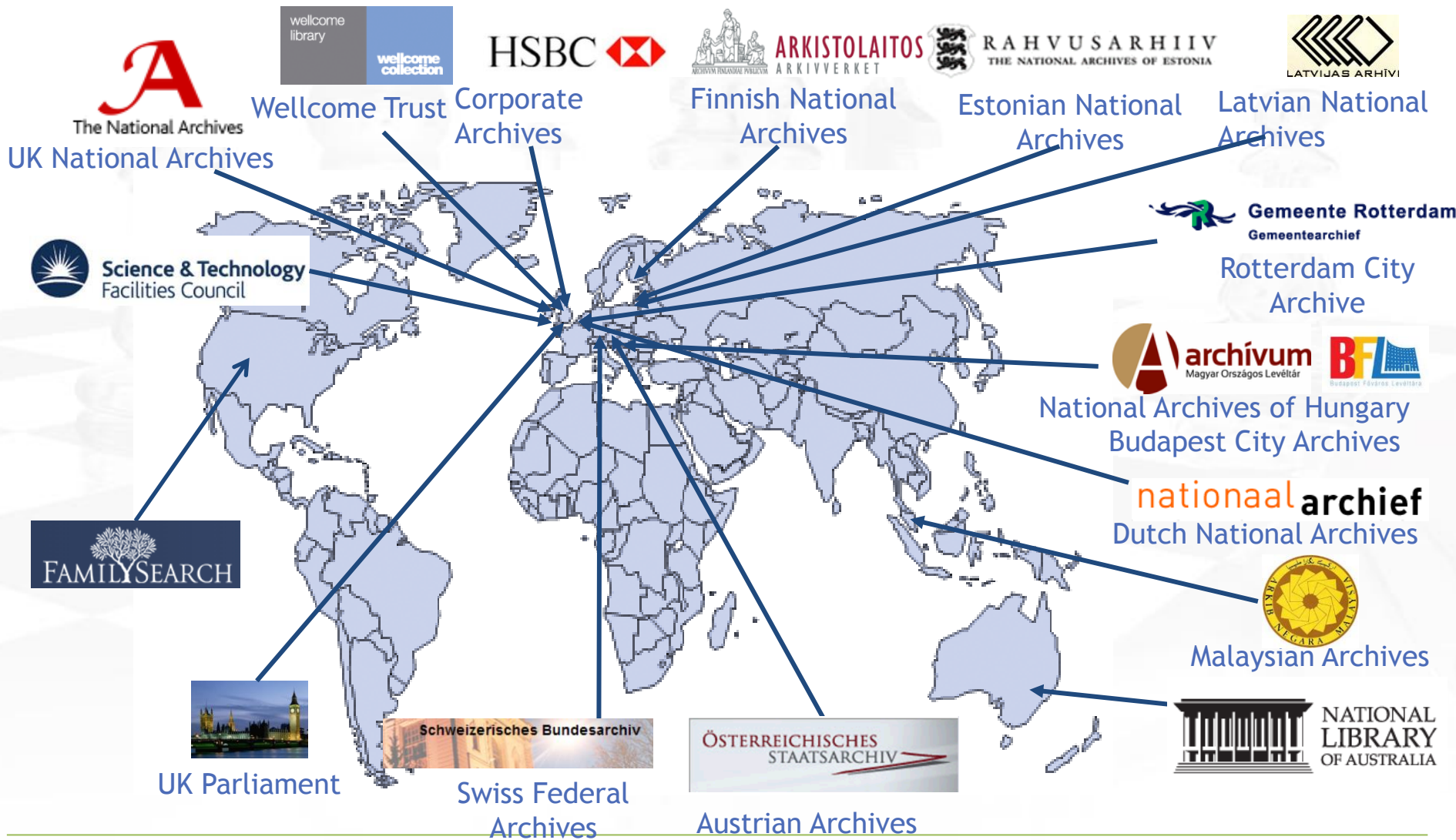
Digital Archiving & Preservation : How to compare and contrast

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Introduction

- Jon Tilbury
- Director of Archiving Solutions at Tessella
- 20 users of our “Safety Deposit Box” Technology
 - Archives, Libraries, STFC (Rutherford Appleton)
 - Your premises and cloud
 - Research led
- Also scientific technology support
 - Software, consultancy
 - Pharmaceuticals, Government Science, Consumer Goods, Energy
- 33 year heritage

Systems in 11 Countries across 4 Continents



Cloud version launched in the US, soon in EU



Archives of Michigan

Colby·Sawyer College



Kentucky Department for
Libraries and Archives

Examples

- STFC
 - Multitenant solution, available for other departments
 - Preserving Neutron Scattering data from ISIS
 - Ask Jens Jensen / Juan Bicarregui
- FamilySearch
 - Genealogy Information from around the world
 - Digitising microfilm to JPEG2000
 - Digitised in Utah, preserved in Maryland
 - Initial storage 7Pb
 - Ingest rate : 20Tb per day, rising to 50Tb per day
 - Standard workflows on medium application servers
 - Very fat pipes (especially to work area)
 - Multiple parallel tape writers
 - Dedicated pipe across US to replace FedEx

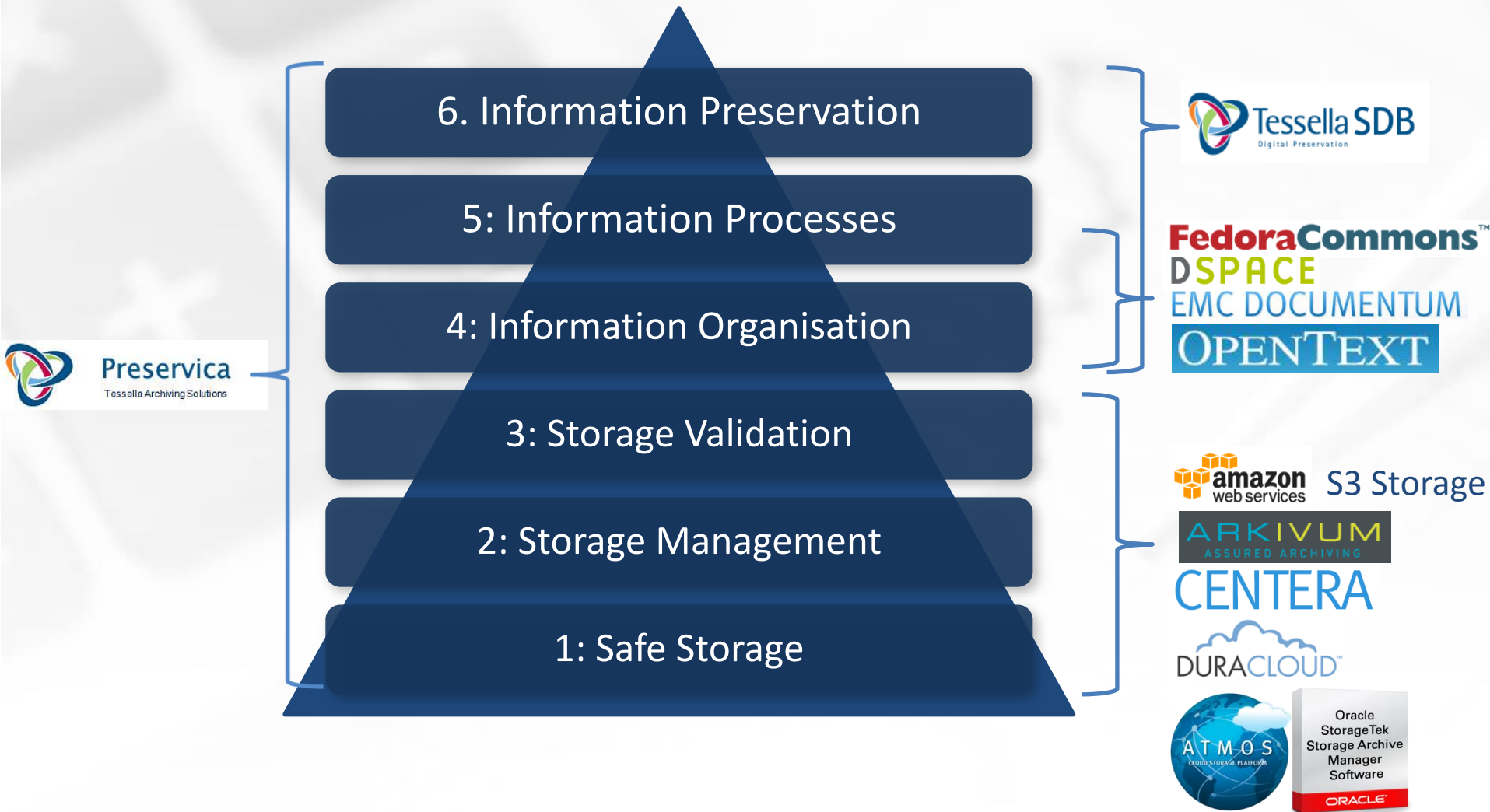
How to compare archiving systems

- Digital Archiving has many meanings
 - Email archiving
 - Backup++
 - Second line storage
 - Bit store
 - Etc
- How do we compare the approaches and evaluate what we want?

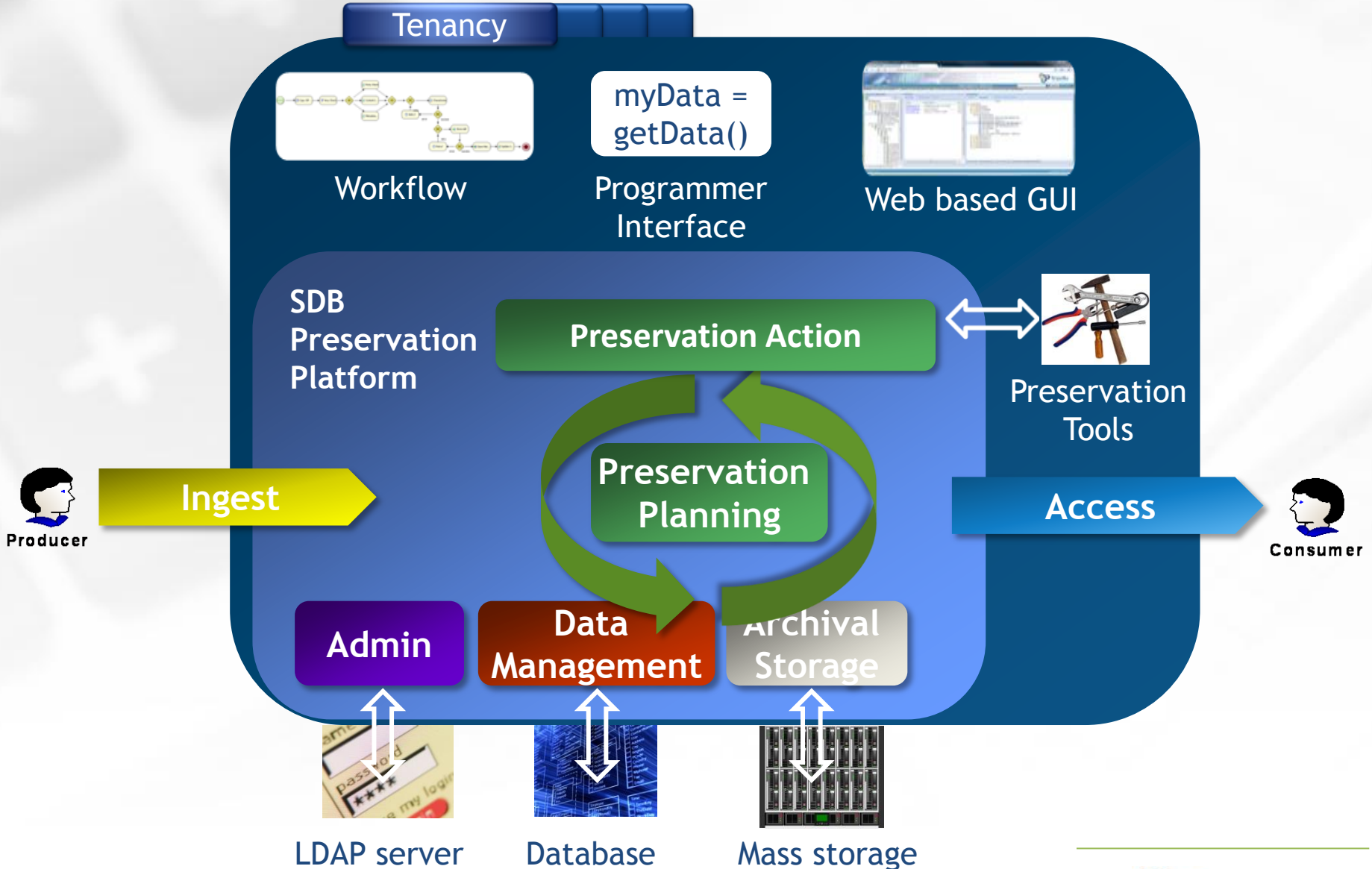
Digital Archiving Maturity Model



Examples



Digital Preservation Implementation



Summary

- Use the Maturity Model to understand :
 - What you want
 - What competing systems do
- Implement the system that is right for you
 - Don't start from scratch
 - Use available components, commercial if necessary
 - Make sure you have the flexibility to grow
 - Share knowhow, tools, techniques