

General Model of E-ARK Services

DLM Forum Members' Meeting
10-11 June 2014, Athens

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National Archives of Hungary



Agenda

E-ARK General Model

- Conceptual framework
- Used methodology
- Results (not final)



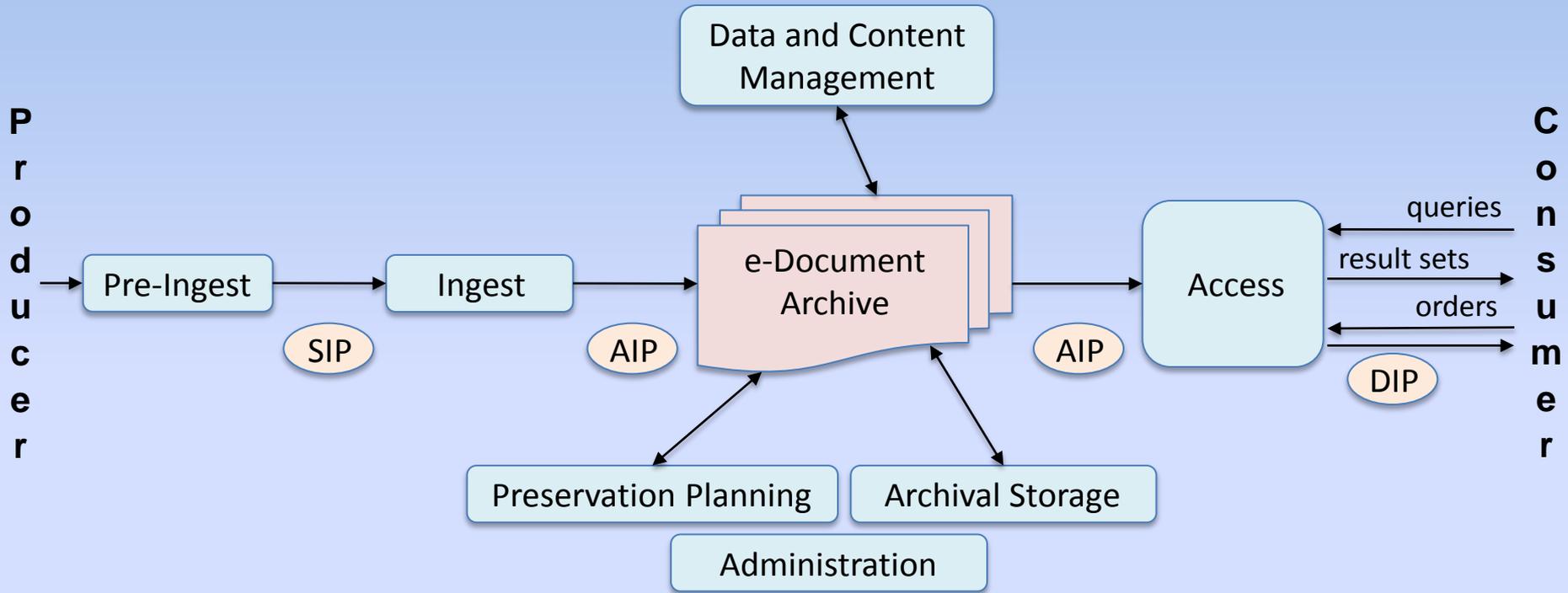
General Model of E-ARK Services

”The scope of the E-ARK service is to provide a reference implementation, which integrates these currently non-interoperable tools into a replicable and scalable, common seamless workflow, allowing data owners and repositories to flexibly select and use the components most relevant for their specific situations. To achieve this, a set of common interfaces and information package formats will be defined by the E-ARK project and implemented using these tools.”

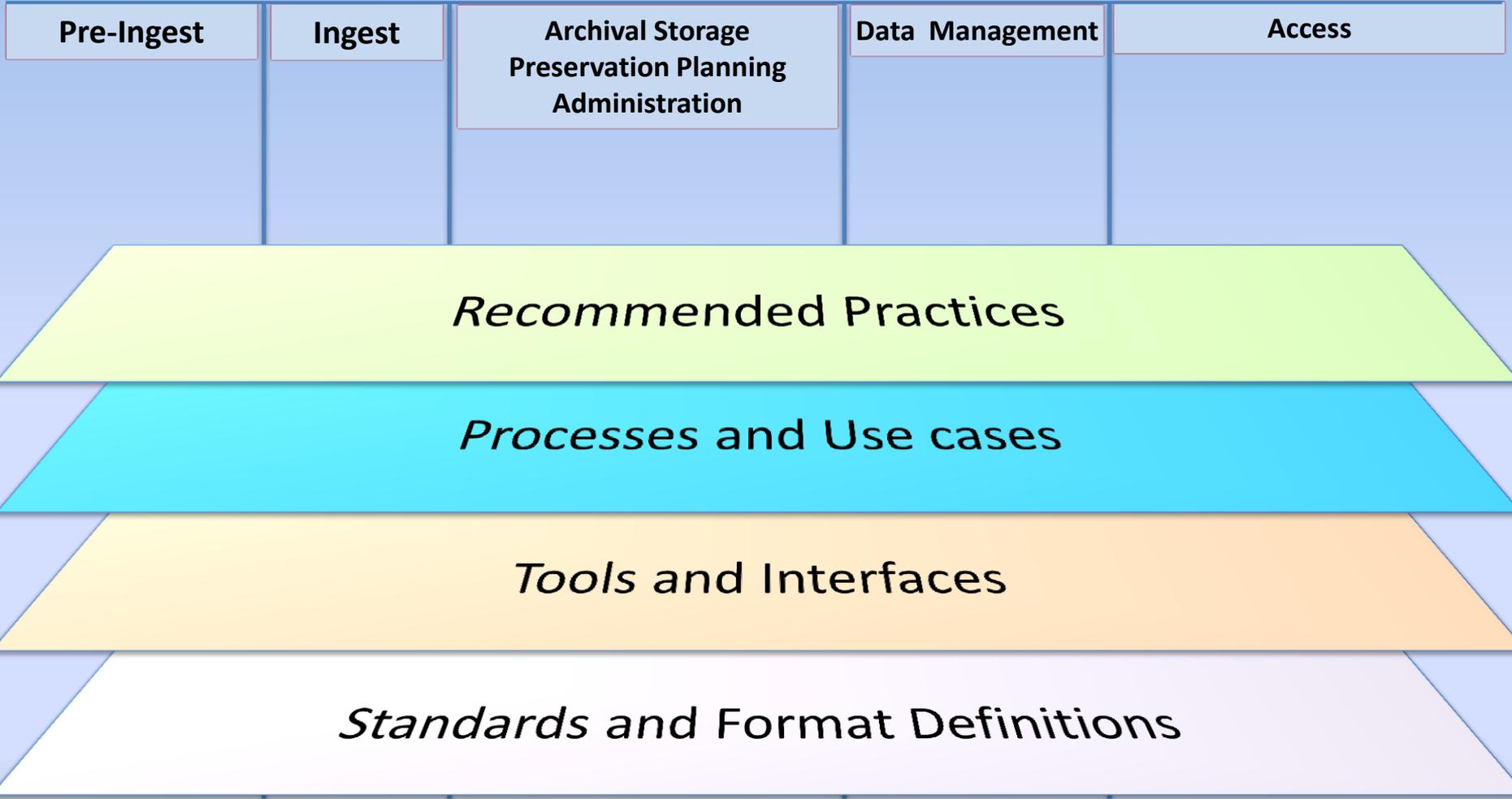
(E-ARK DoW Part B Finalised version 2.0 - B1.3)



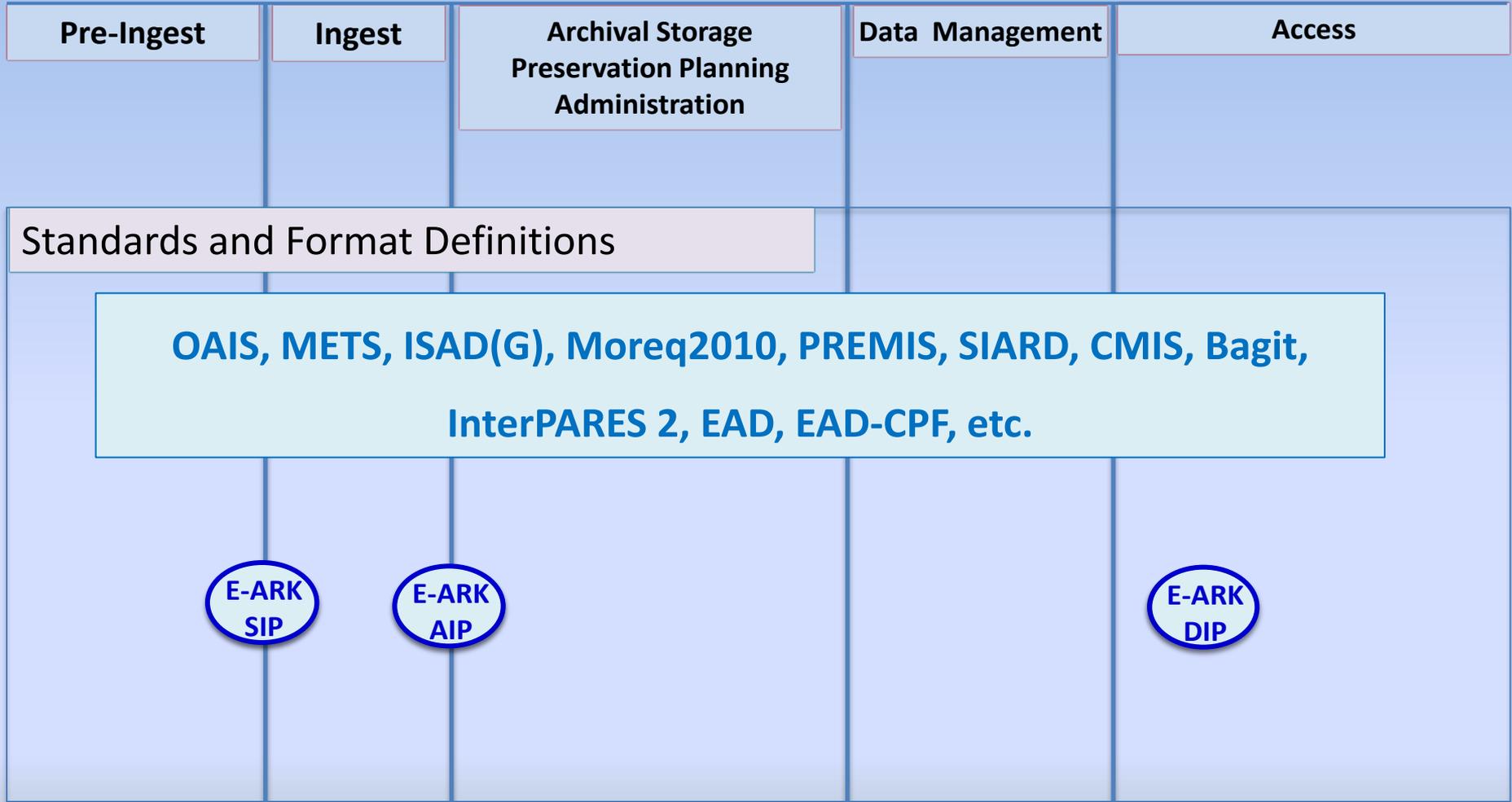
OAIS Reference Model



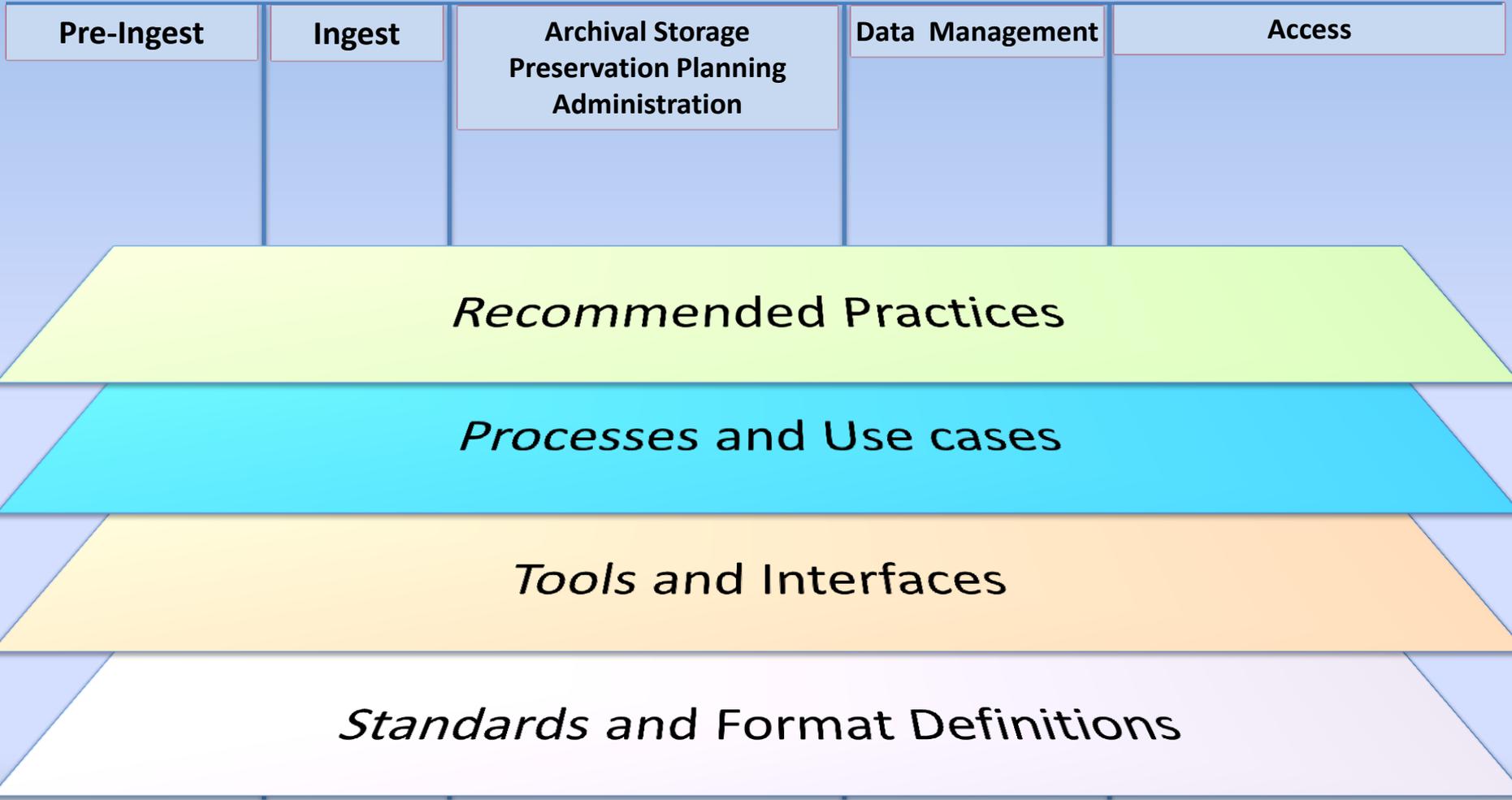
Conceptual Framework



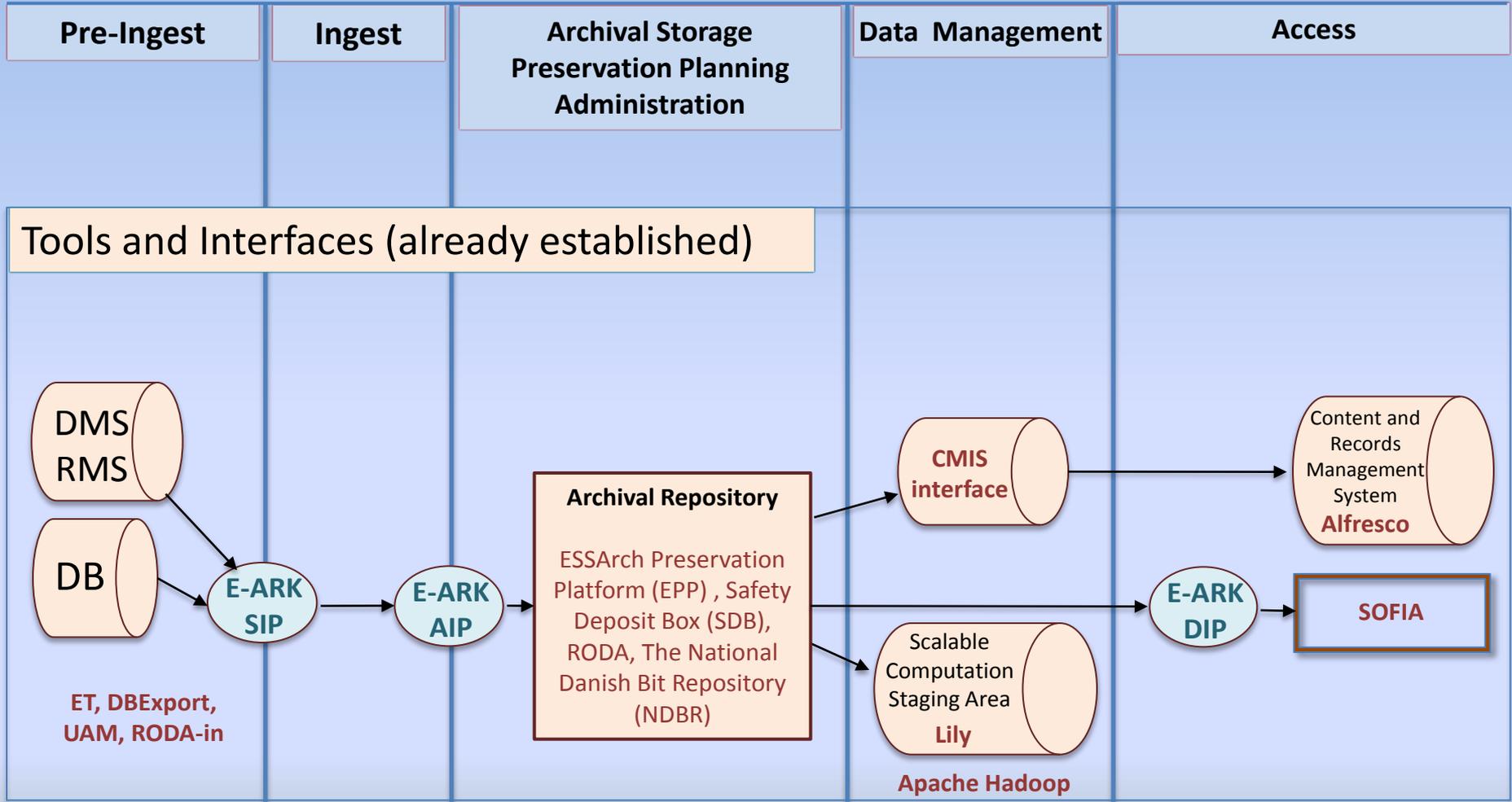
Conceptual Framework – Standards and Format Definitions



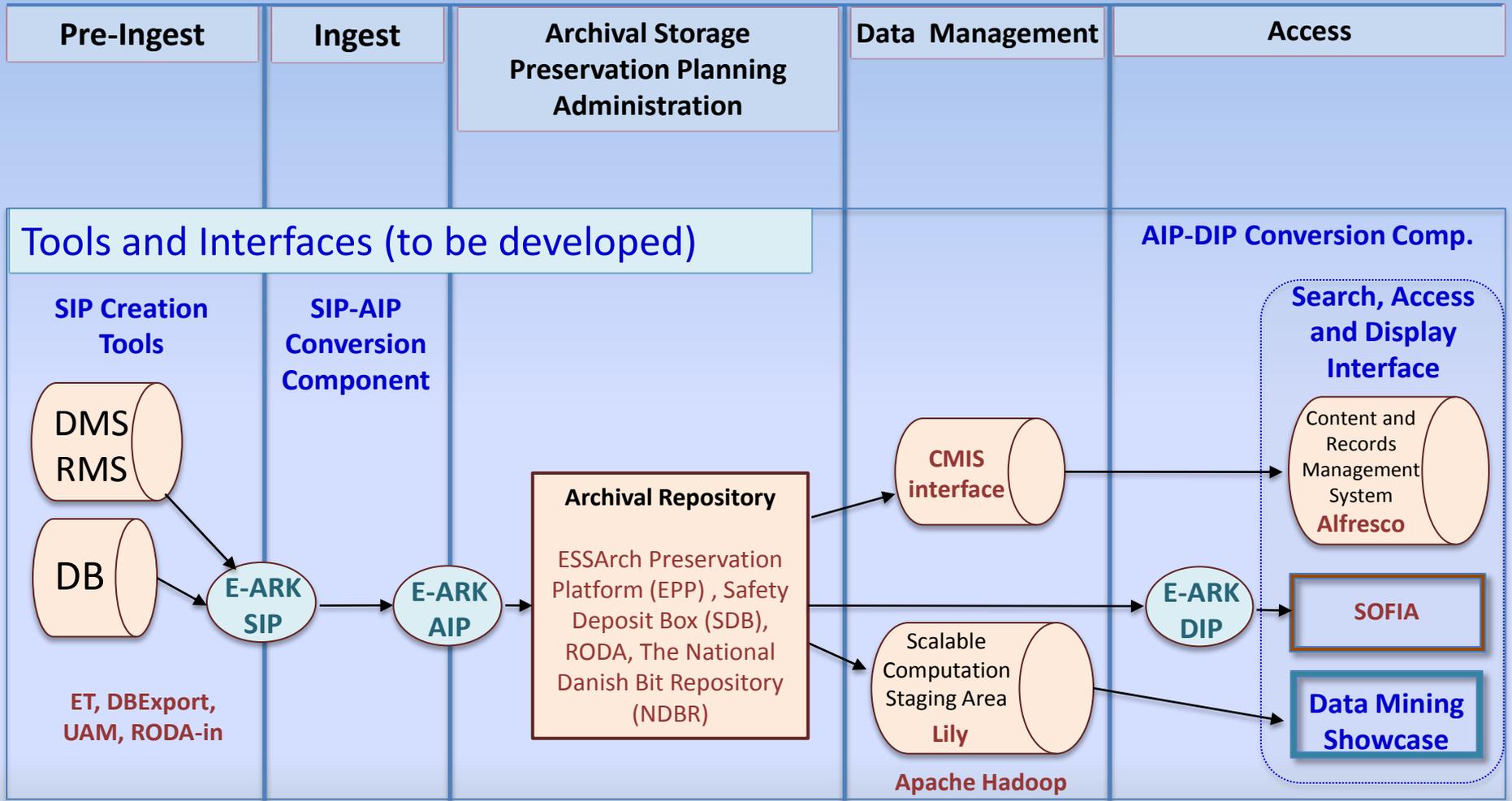
Conceptual Framework



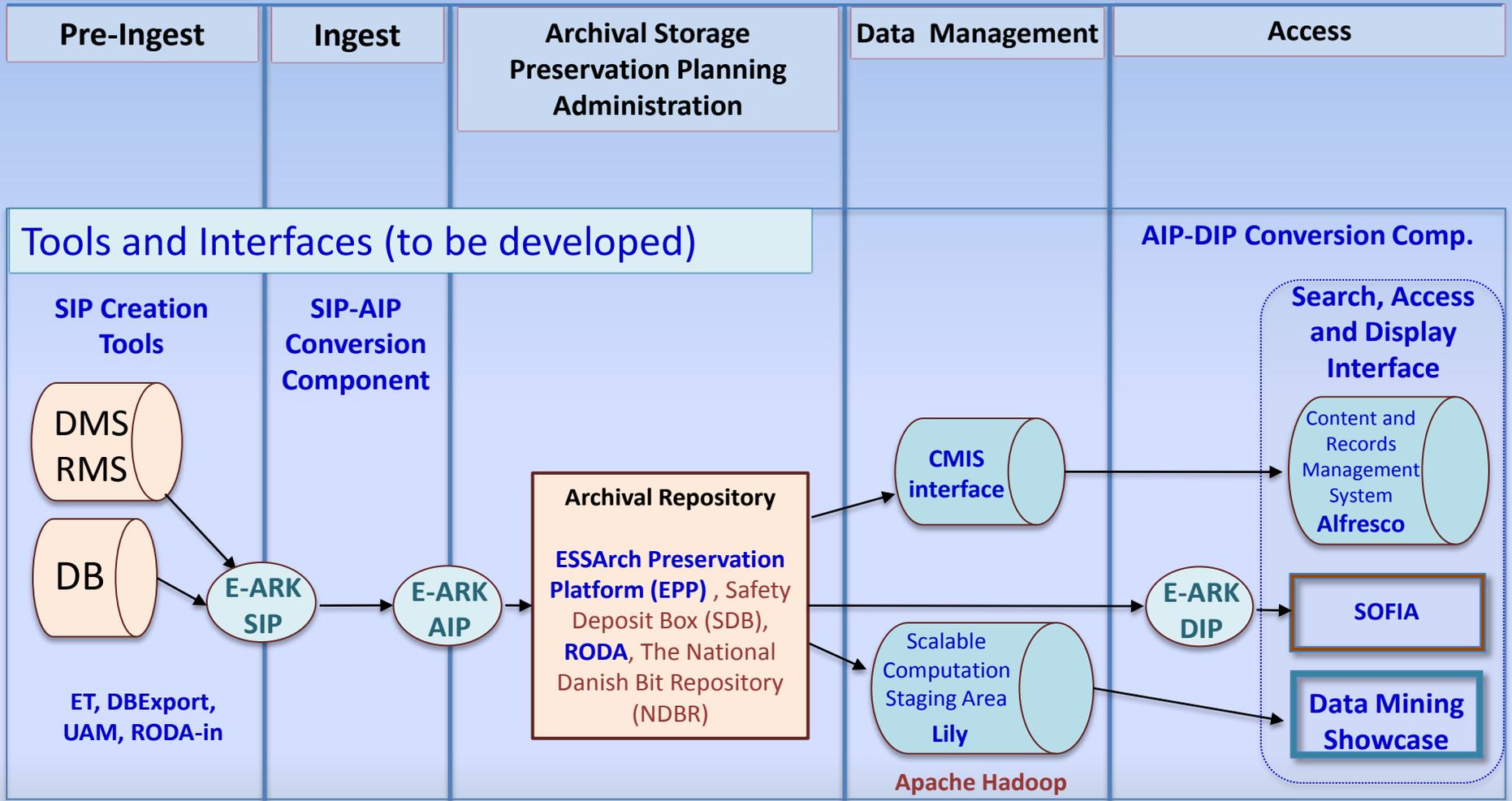
Conceptual Framework – Tools and Interfaces



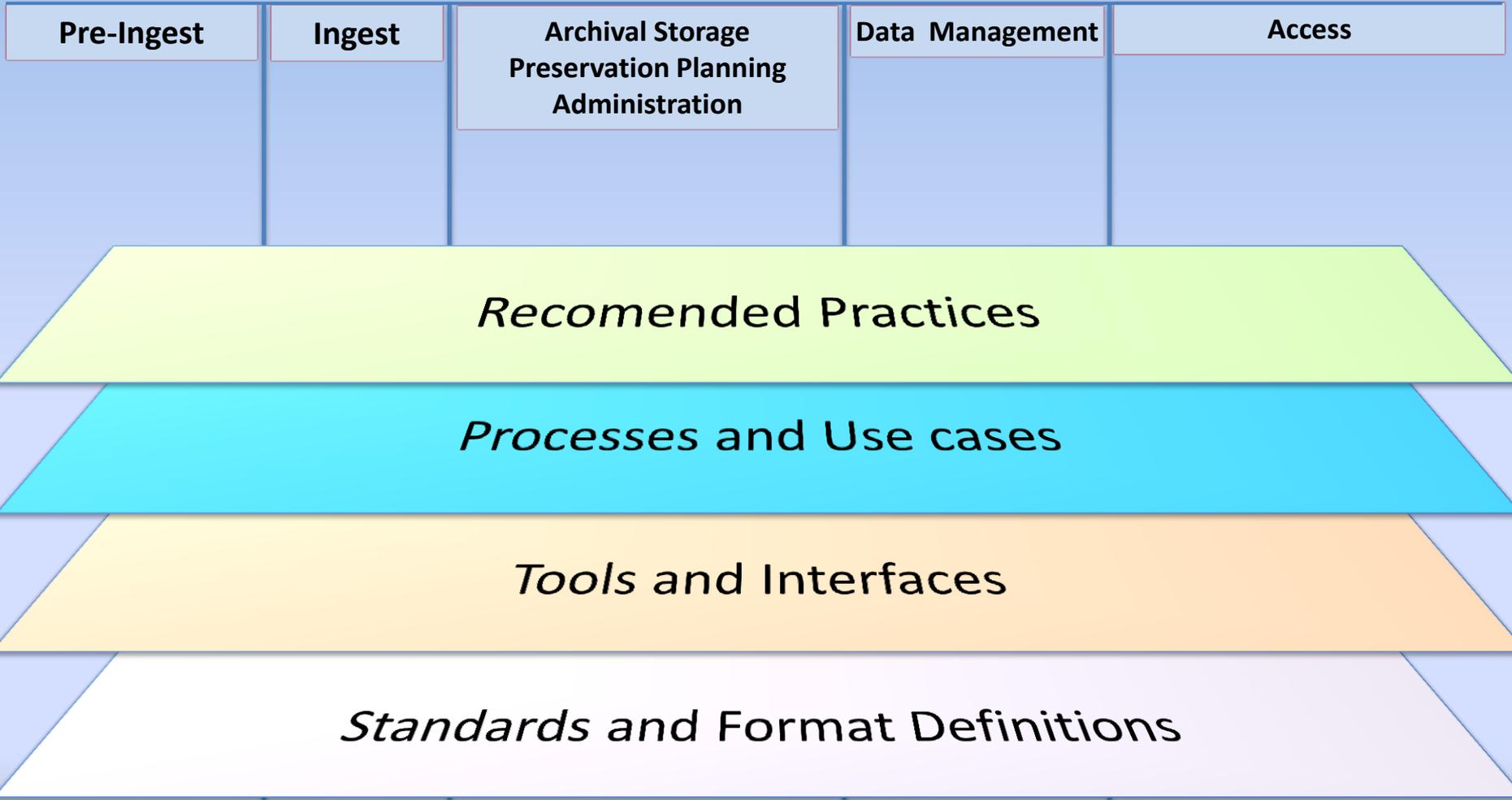
Conceptual Framework – Tools and Interfaces



Conceptual Framework – Tools and Interfaces

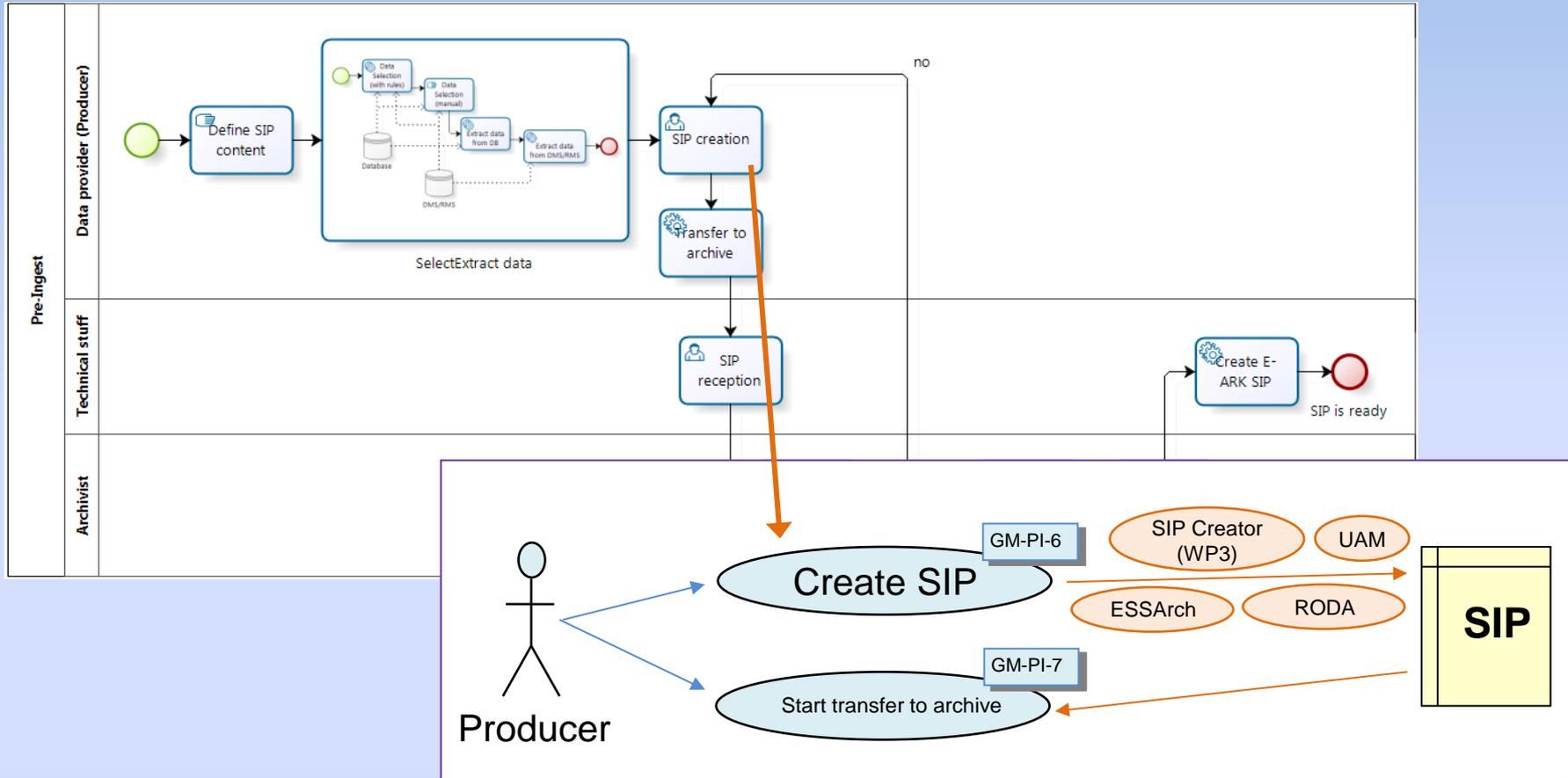


Conceptual Framework



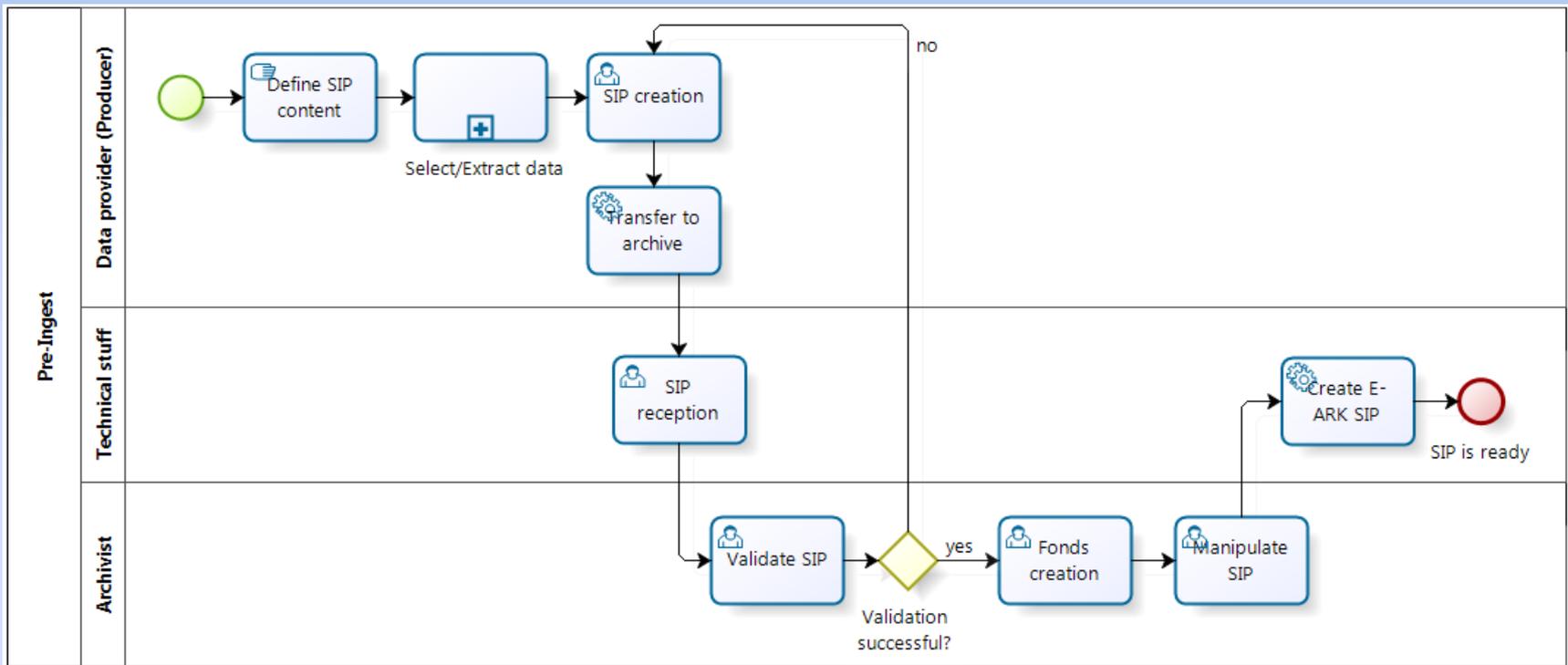
Conceptual Framework – Processes and Use Cases

Process and Use Case Diagrams



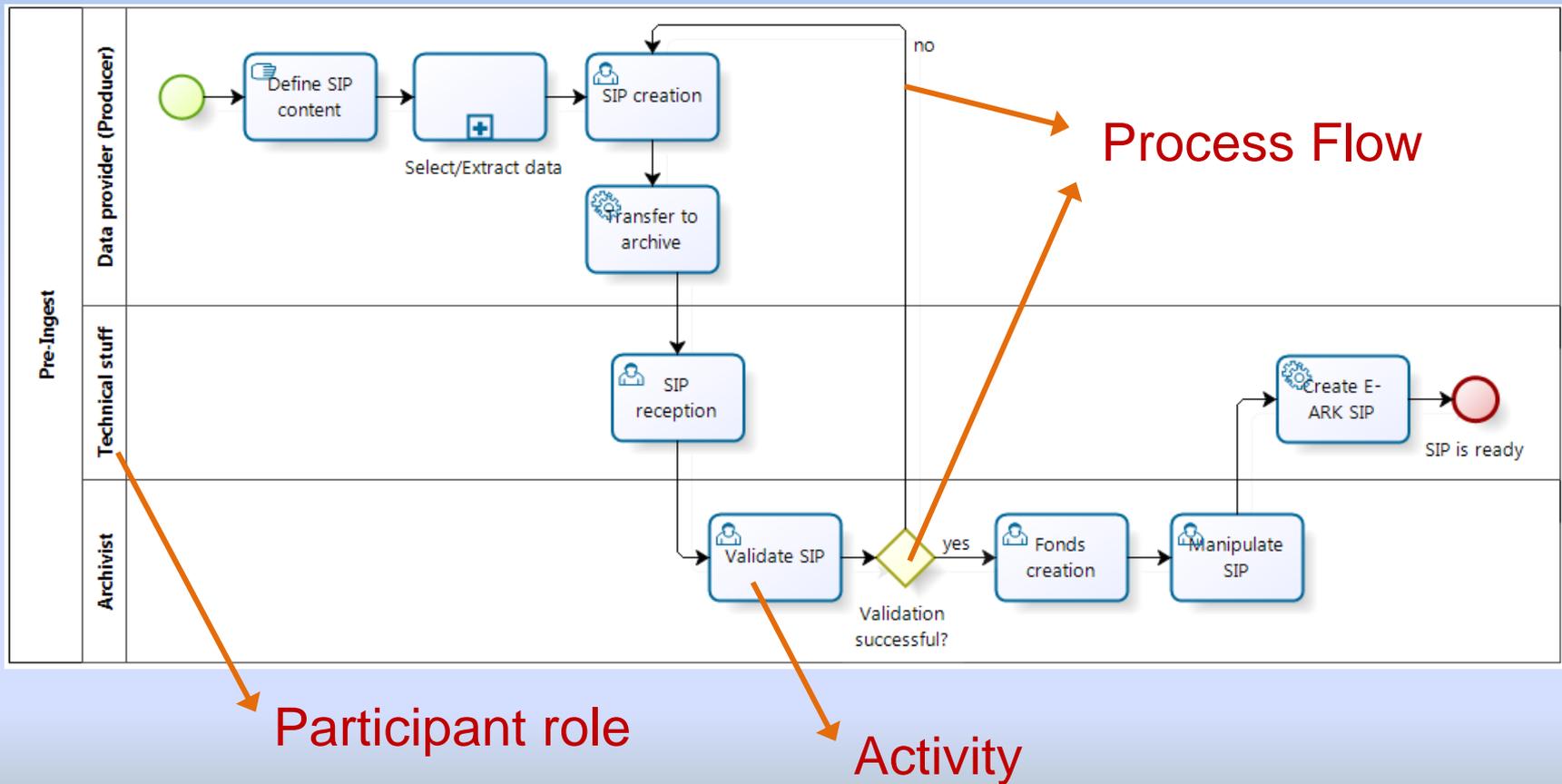
Conceptual Framework – Processes and Use Cases

Process Diagrams



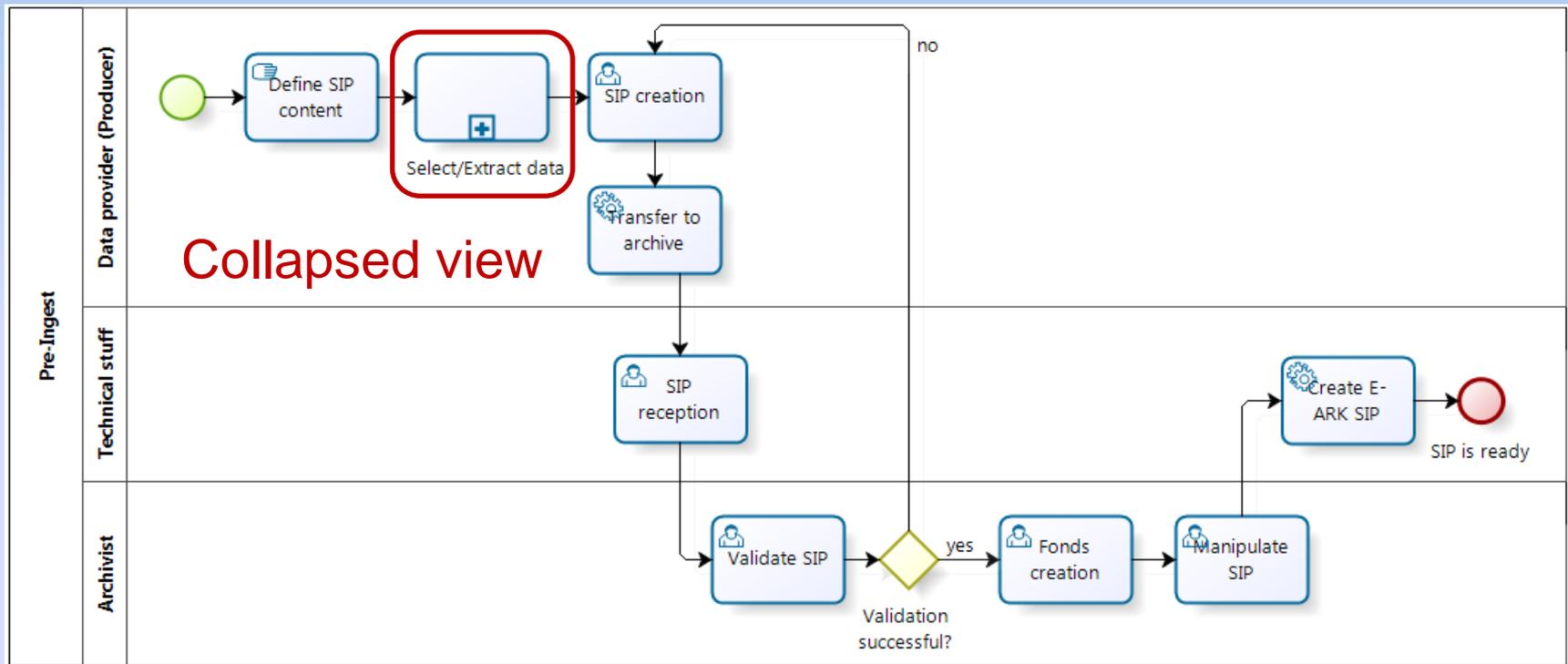
Conceptual Framework – Processes and Use Cases

Business Process Modeling Notation (BPMN)



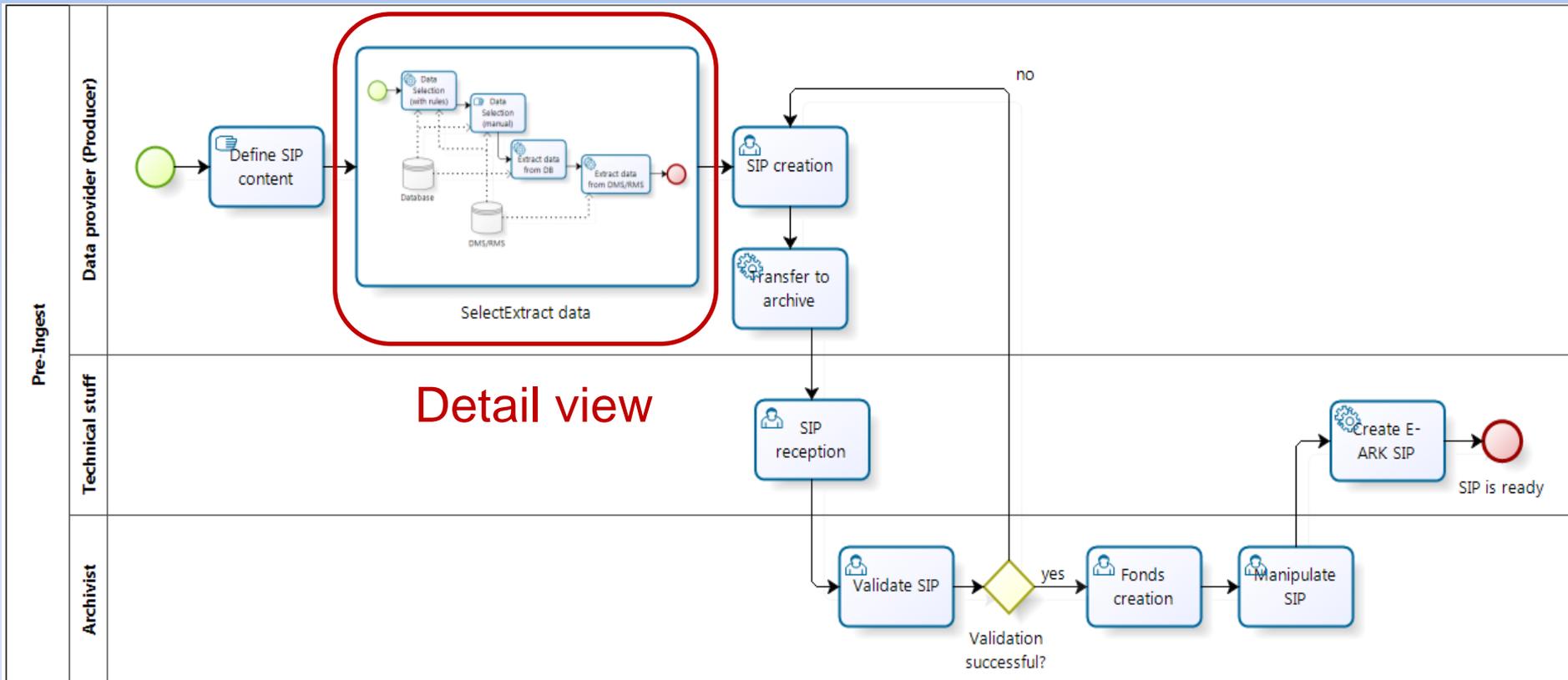
Conceptual Framework – Processes and Use Cases

Business Process Modeling Notation (BPMN)



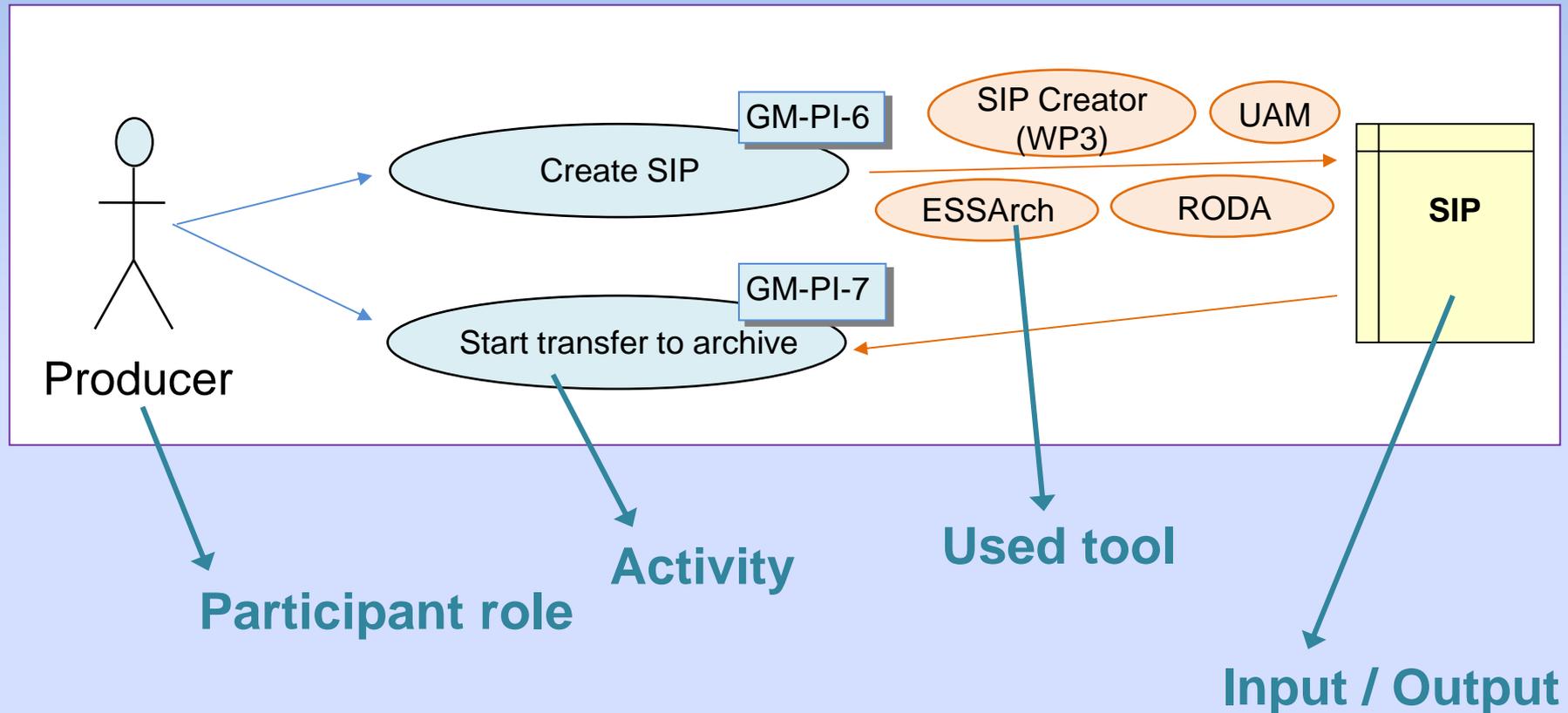
Conceptual Framework – Processes and Use Cases

Standard Process Diagrams (BPMN)

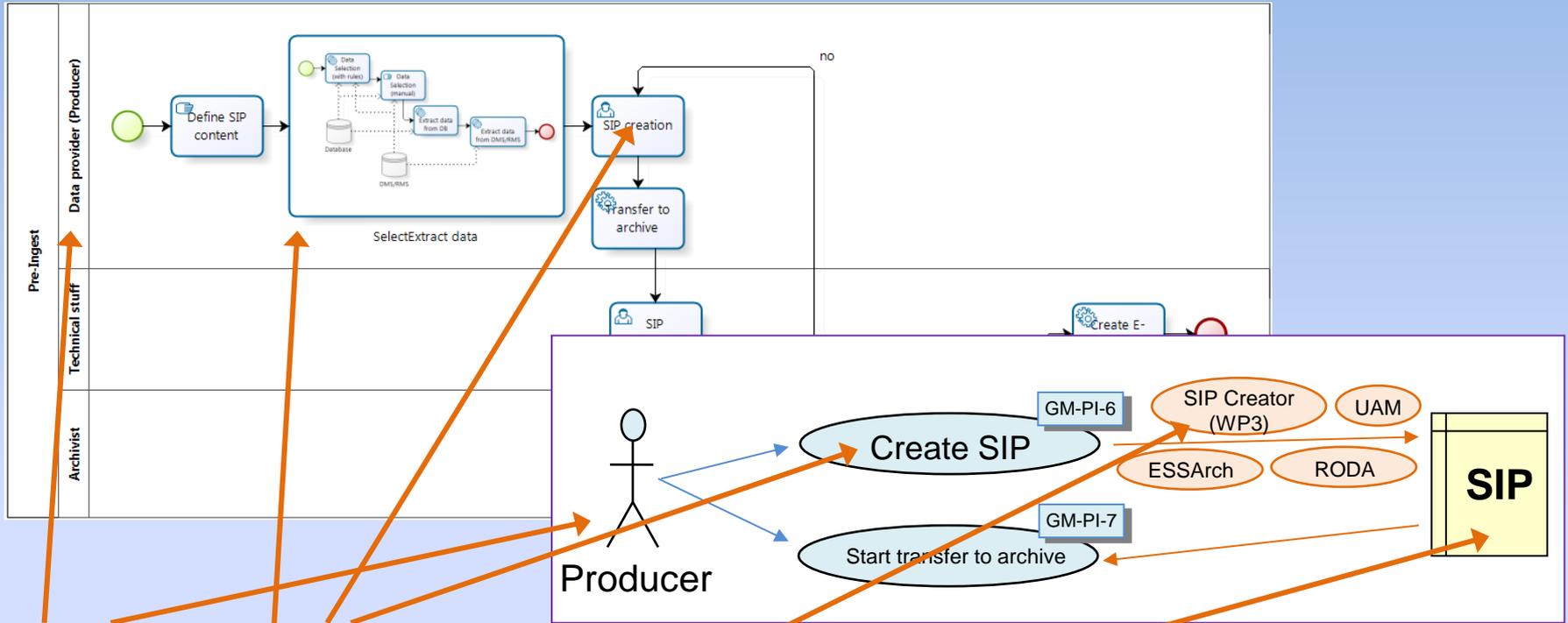


Conceptual Framework – Processes and Use Cases

Use Case Diagrams

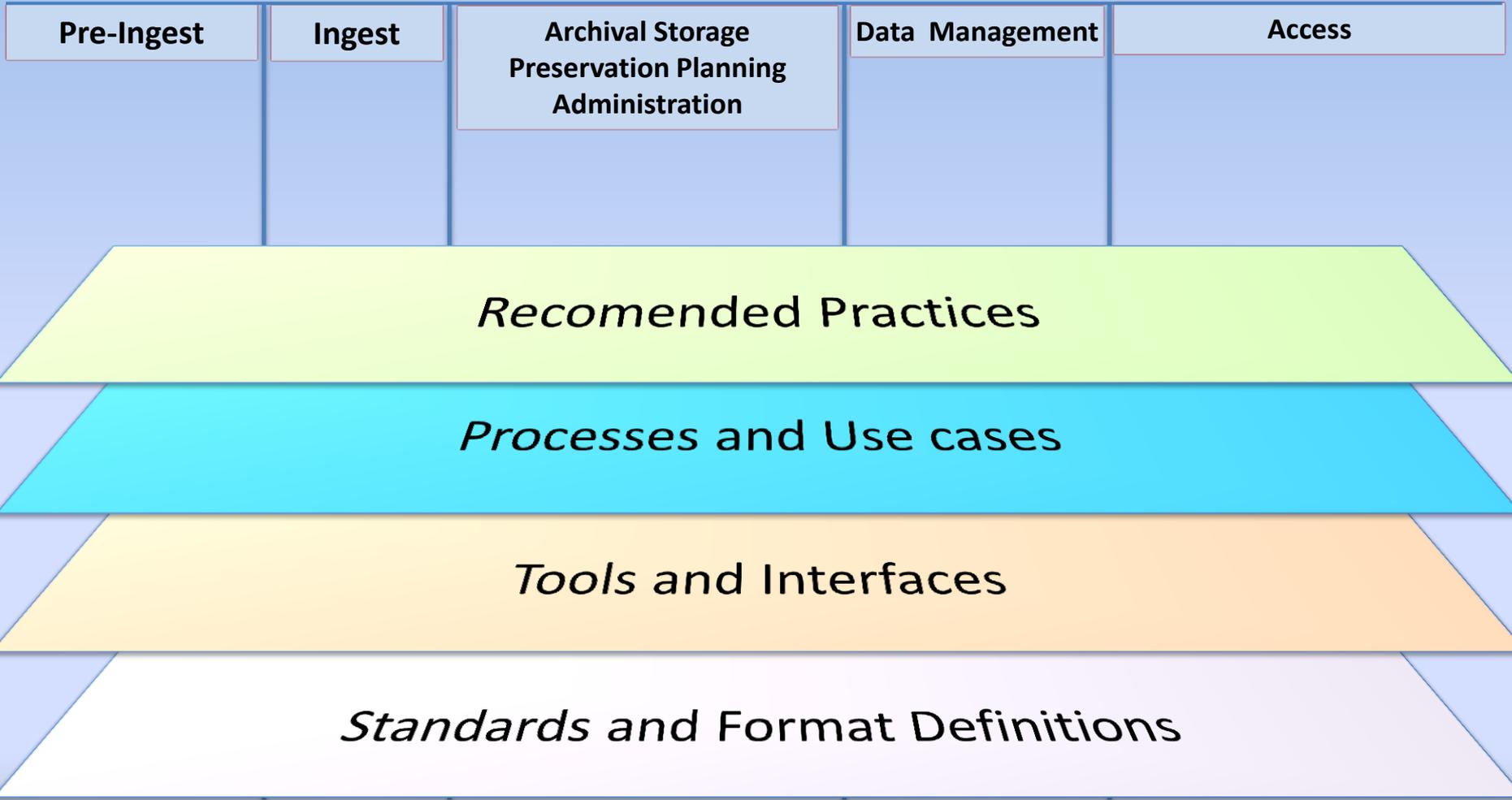


Conceptual Framework – Processes and Use Cases

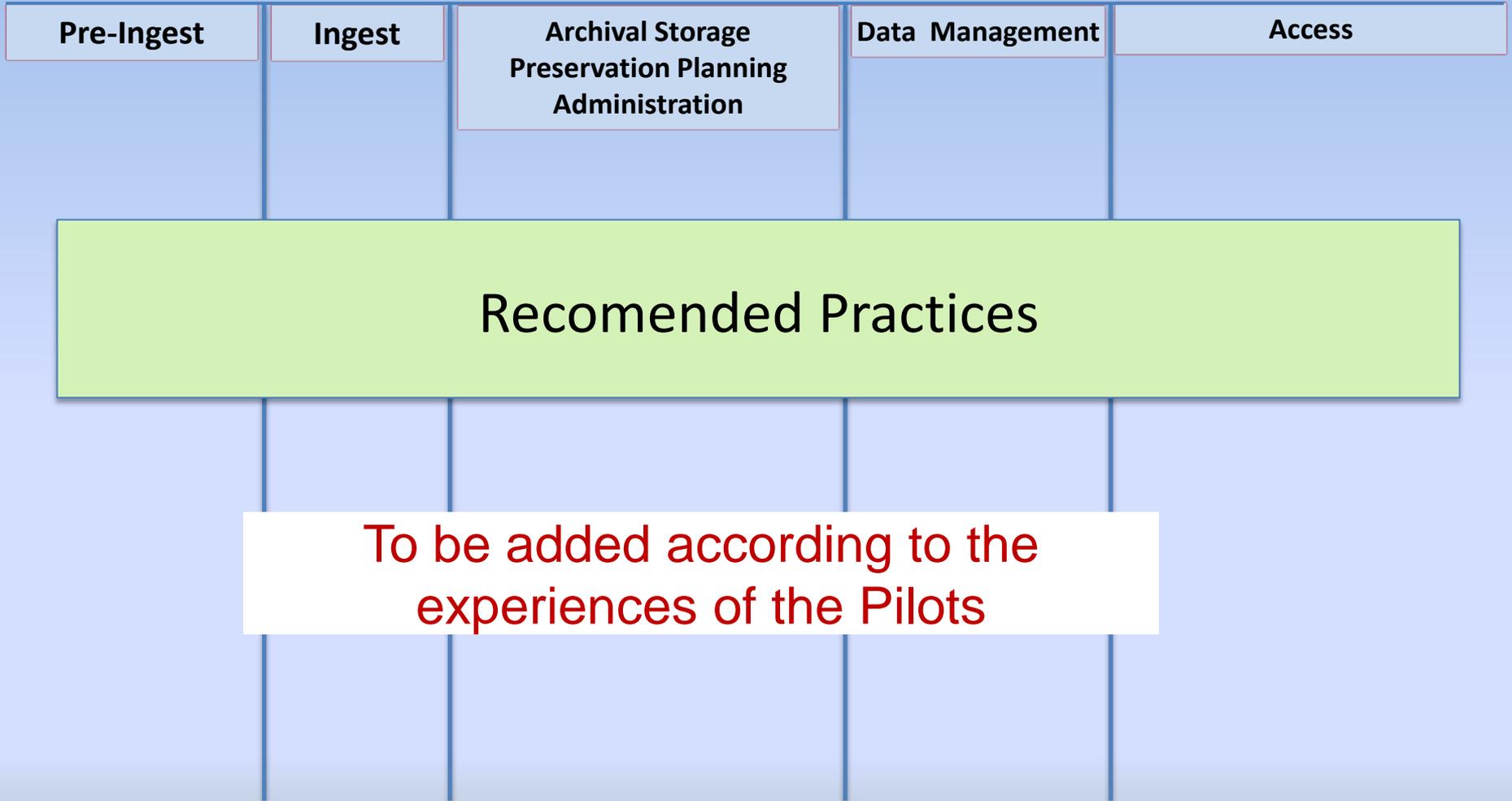


Who does **what**?
 In what **order**?
 Using what kind of **tool**?
 Required **input**?
 Produced **output**?

Conceptual Framework



Conceptual Framework



Used Methodology and Schedule

Surveys

- Questionnaire 1 (11 February, 2014)
 - Infrastructure overview
 - Process overview
 - Data overview
- Questionnaire 2 (3 March, 2014)
 - Detailed process information
 - Detailed tool description
 - General high-level requirements
- Input data profile survey (30 May, 2014)

Draft model and Discussion

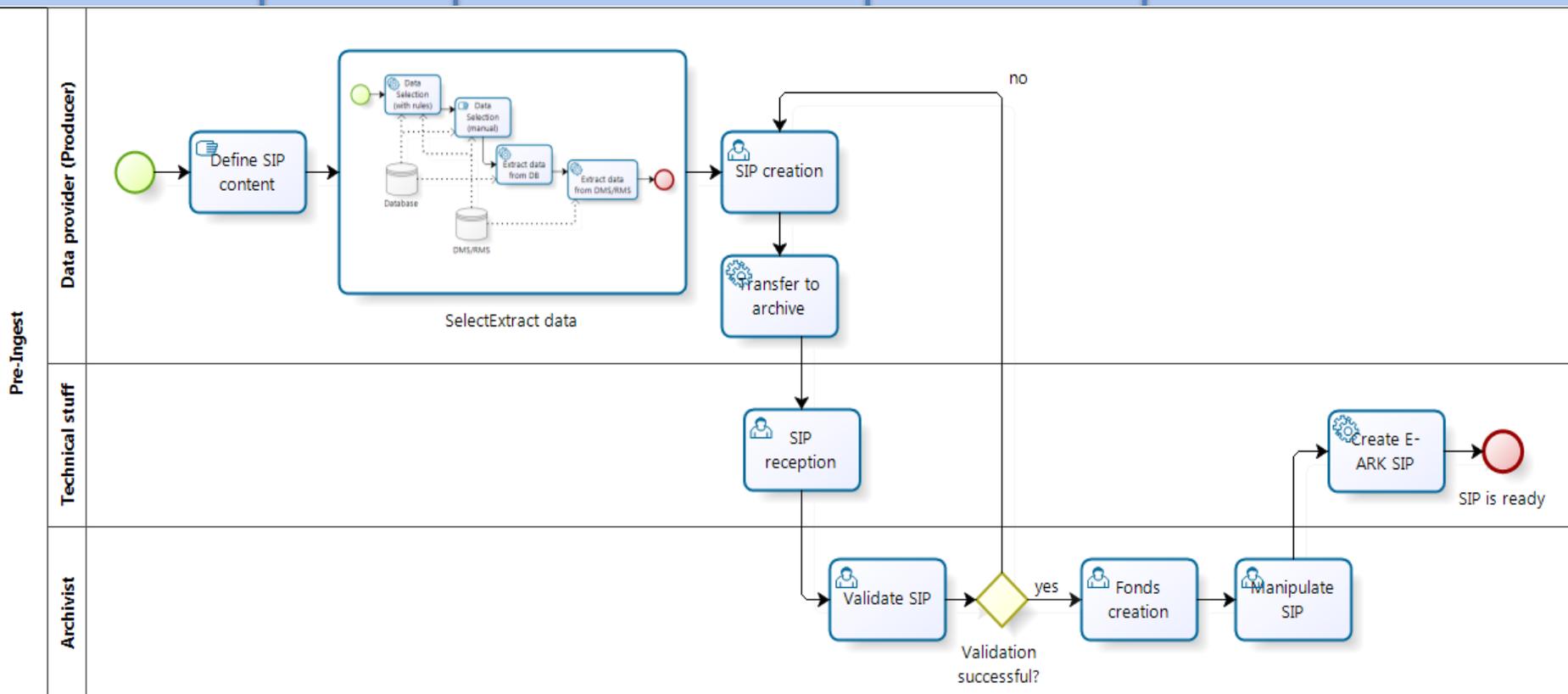
- Draft model sent out (26 May, 2014)
- Comments in e-mail
- E-ARK technical meeting (12-13 June 2014, Athens)

Final model and approval (July 2014)



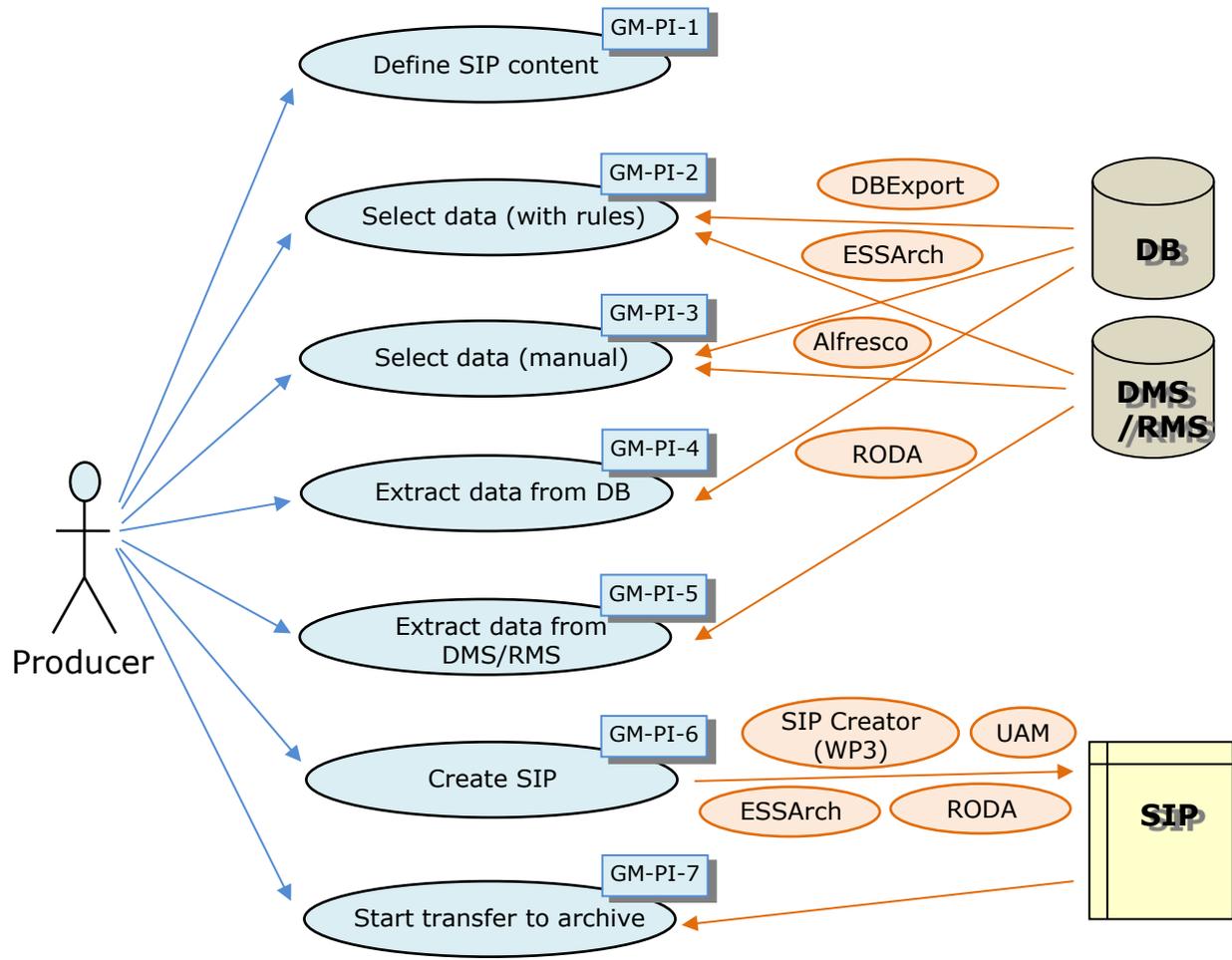
Results – Processes and Use cases

Pre-Ingest



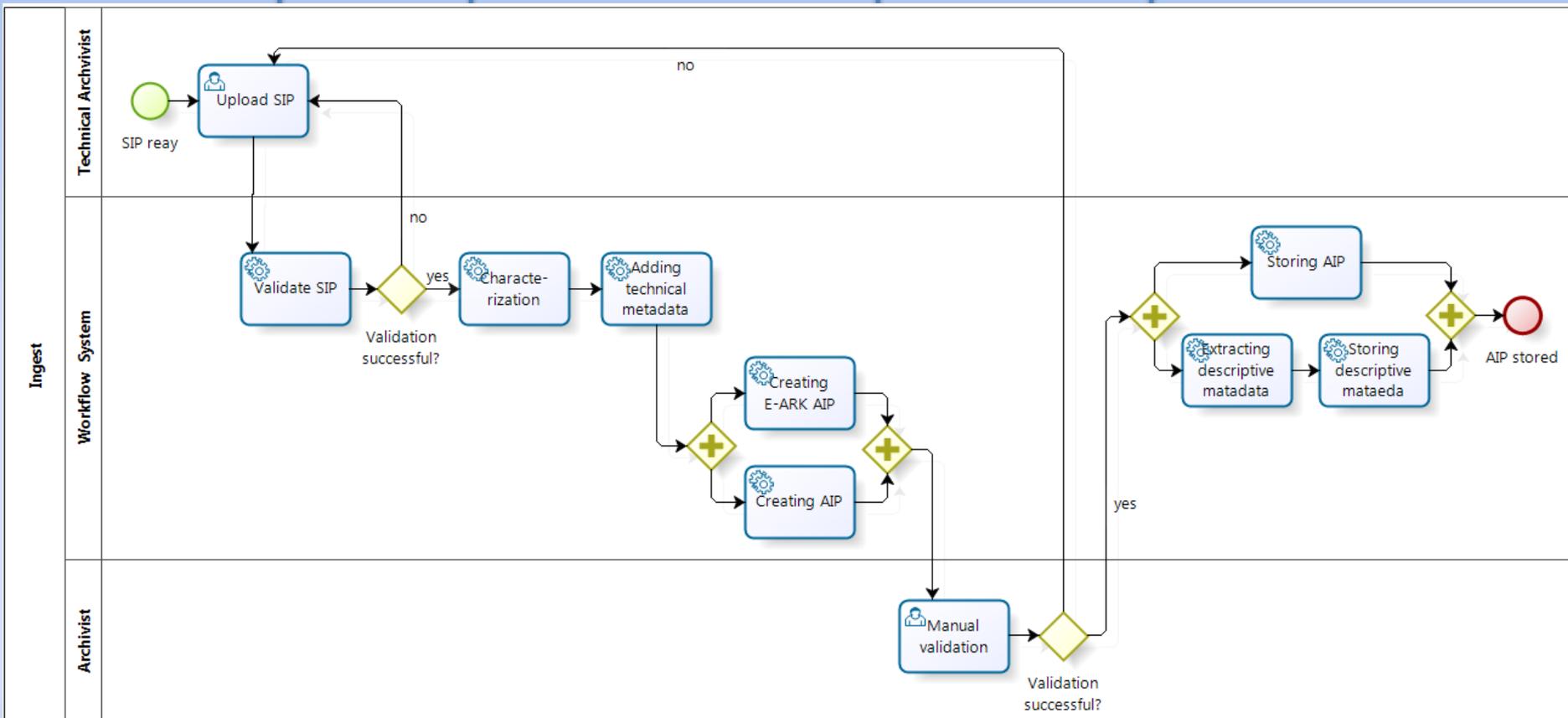
Results – Processes and Use cases

Pre-Ingest



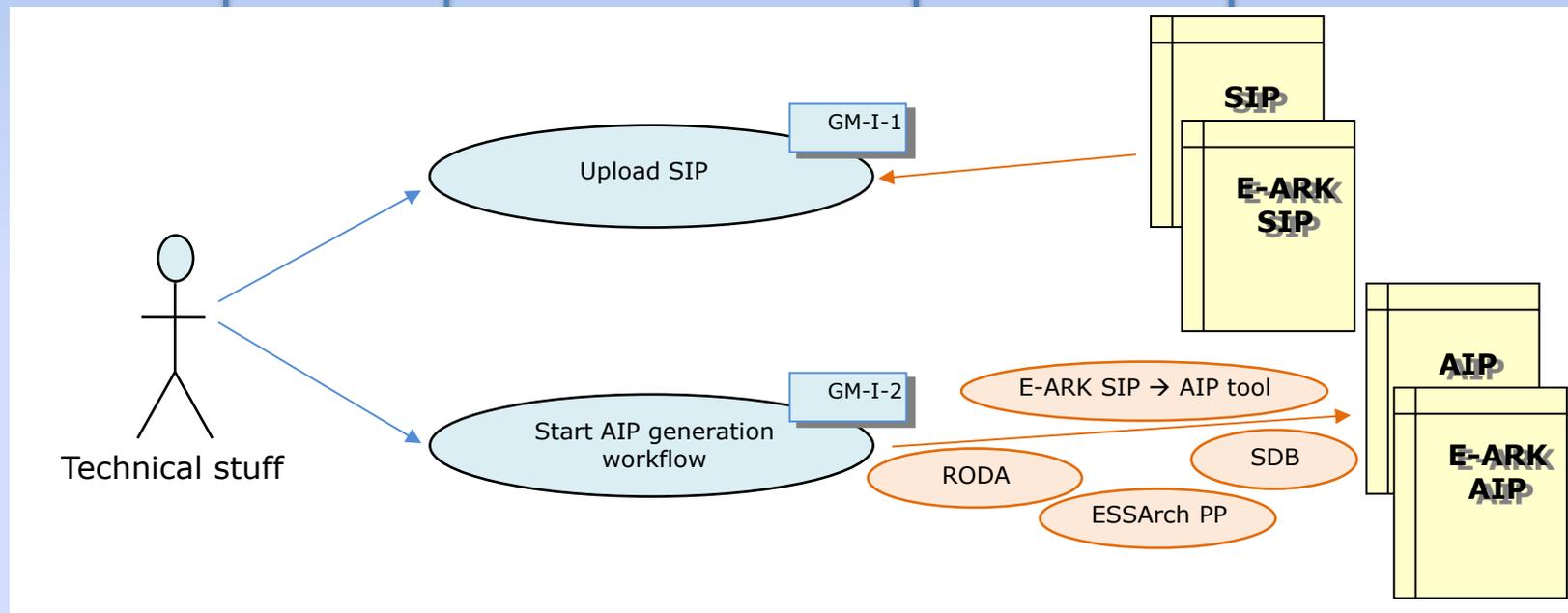
Results – Processes and Use cases

Ingest



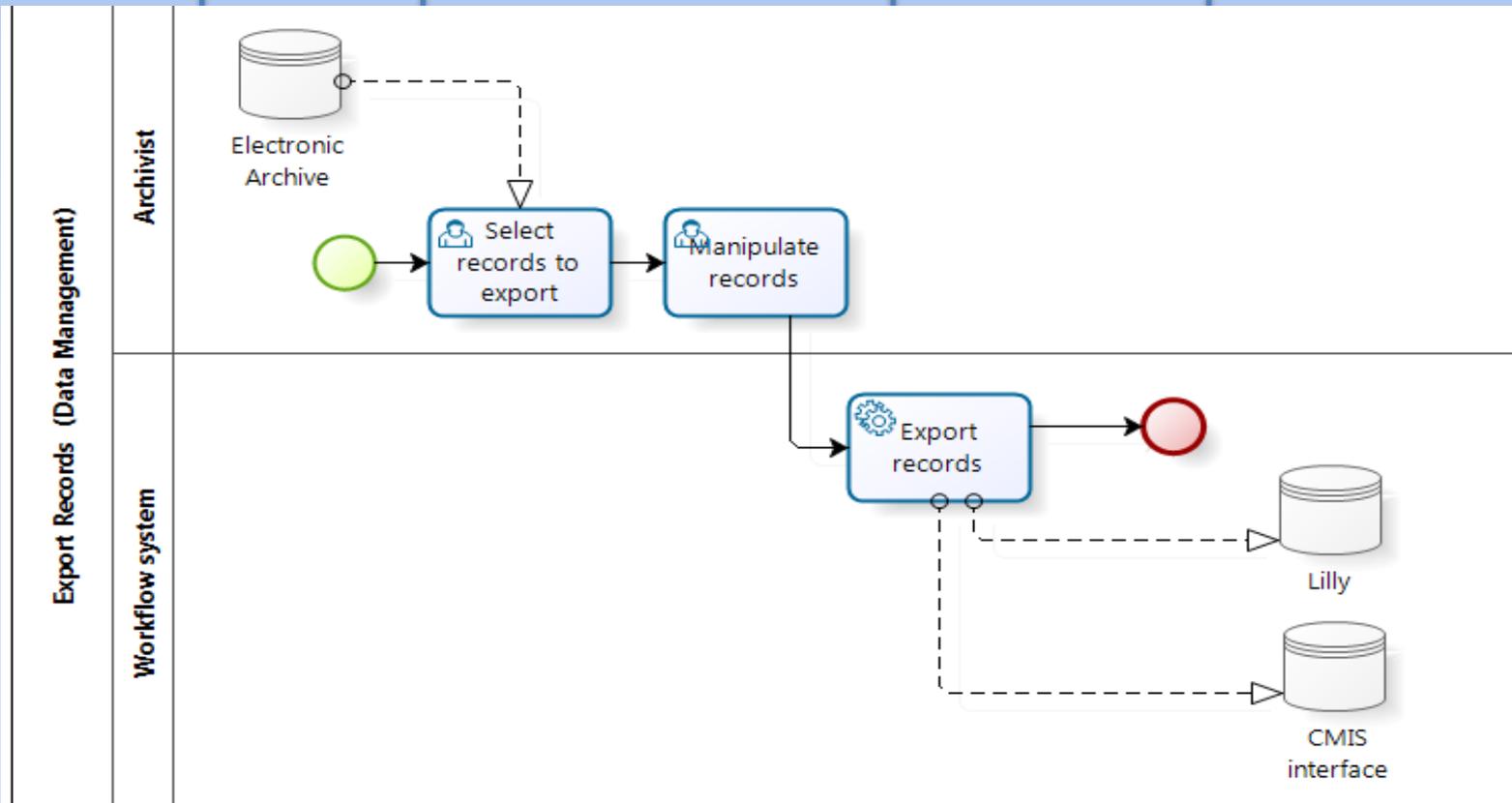
Results – Processes and Use cases

Ingest



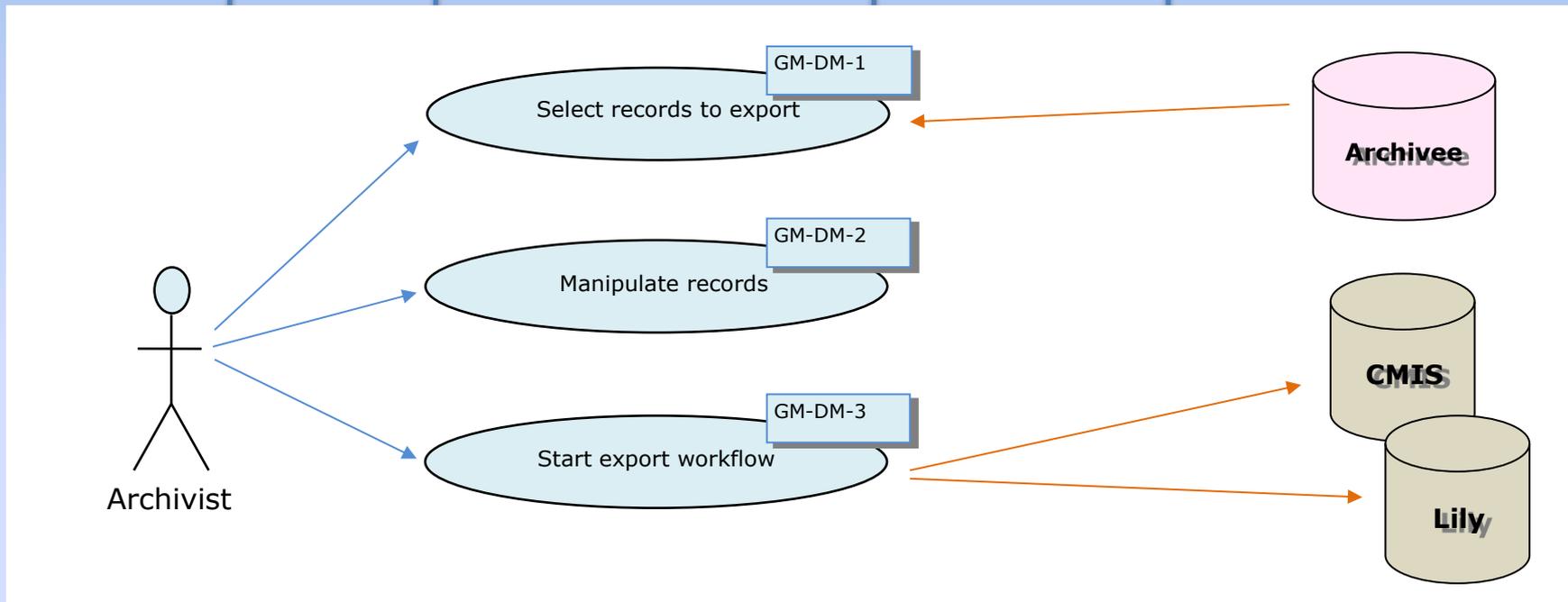
Results – Processes and Use cases

Data Management



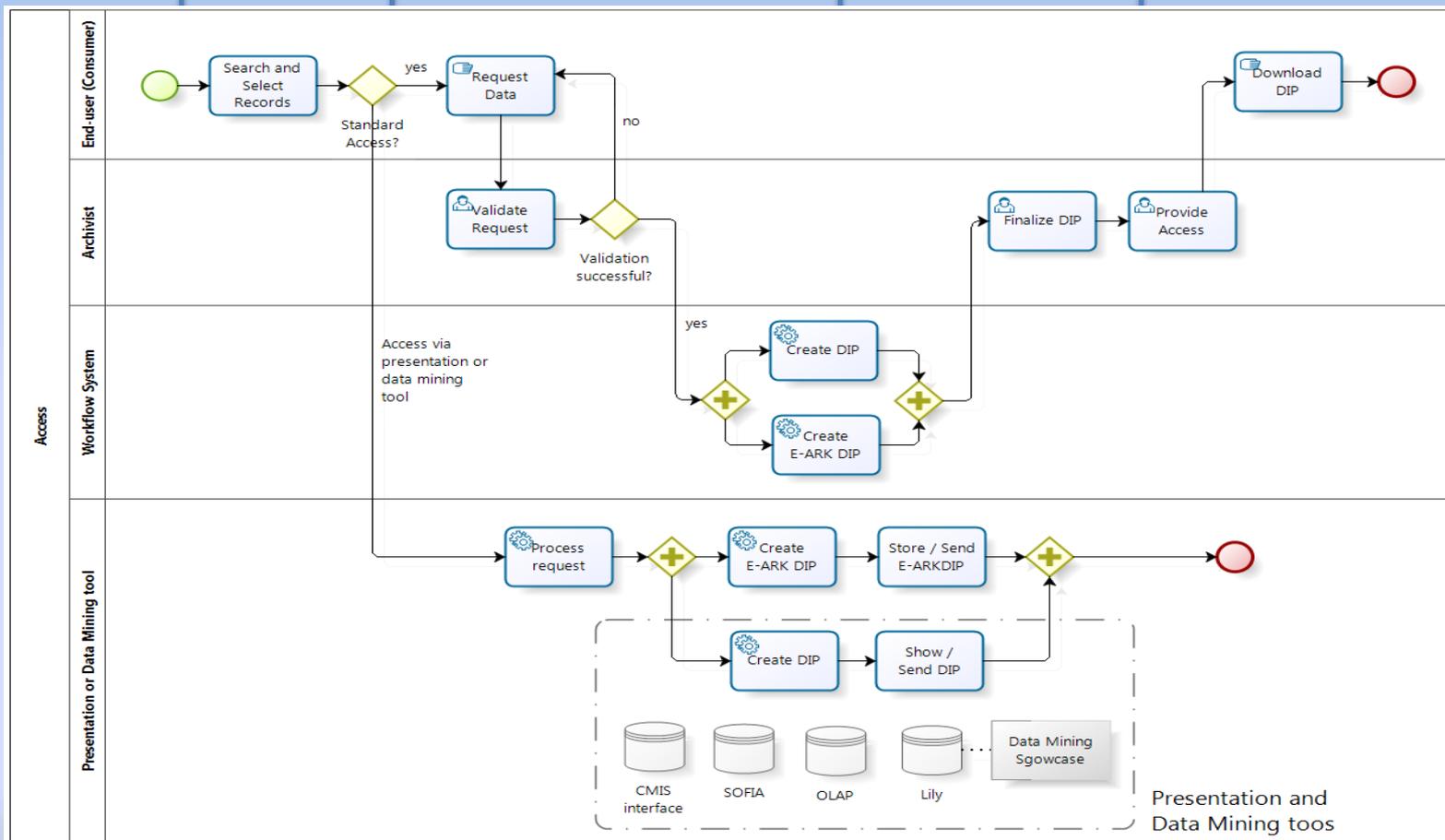
Results – Processes and Use cases

Data Management



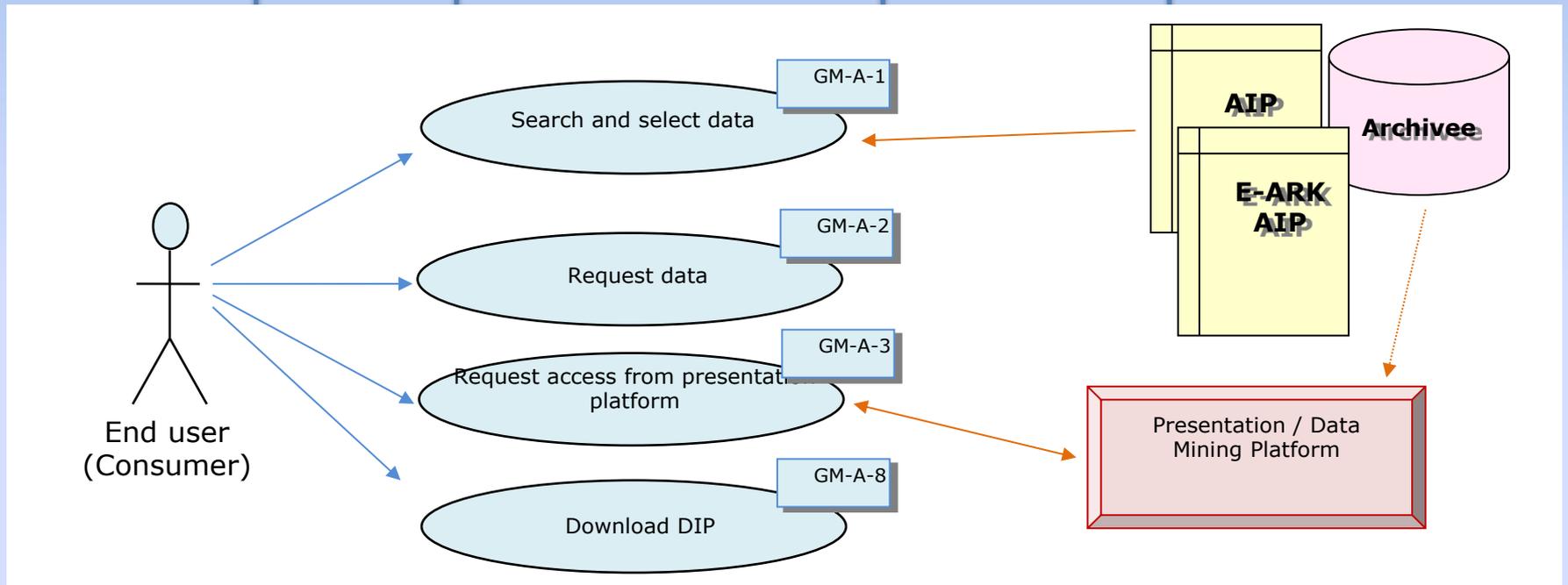
Results – Processes and Use cases

Access



Results – Processes and Use cases

Access



General Model – Work package overview

Work Package - OAIS Process cross reference table						
E-ARK	General Model					
Work Package		Pre-Ingest	Ingest	Archival Storage Preservation	Data Management	Access
WP 1	Project Co-Ordination					
WP 2	Use Cases and Pilots					
WP 3	Transfer of Records to Archives					
WP 4	Archival Records Preservation					
WP 5	Archival Records Access Services					
WP 6	Archival Storage, Services, and Integration					
WP 7	Evaluation & Assessment					
WP 8	Dissemination and Exploitation					



Cross Reference Tables – Tools view

Tools View															
E-ARK		General Model													
Tool	Description	Pilots							Work Package						
		Pilot 1 (DNA)	Pilot 2 (NAN)	Pilot 3 (NAE)	Pilot 4 (EBA)	Pilot 5 (NAS)	Pilot 6 (KEEP)	Pilot 7 (NAH)	WP3	WP4	WP5	WP6			
Alfresco	Alfresco is the most used open source content and records management platform worldwide. While its main use is in content creation, management and access the platform will also be used to pilot the E-ARK records export recommendations and providing crucial source data for the E-ARK service.														
ESSArch Tools (ET)	ET is a stand-alone application that allows producers and preservation organizations to prepare, create, deliver and receive SIPs.														
DBExport Tool	DBExport is used to create SIP packages in SIARD format based on the content in relational database systems and provide a first level of integrity and technical checks.														
E-ARK SIP creation tools	SIP creation tools (to be developed in WP3) implement the final Pan-European SIP format based on the Alfresco platform, ESSArch Tools (ET) suite and the DBExport tool.														
Universal Archiving Module (UAM)	UAM allows data owners to prepare the transfer themselves – import data from records and content management systems; rearrange, classify and further describe the contents of the transfer; validate the transfer according to the rules established by the National Archives of Estonia and finally create SIP packages to be transferred to the digital repository.														



Thank you!

