

Using eArchiving



Using eArchiving Specifications introduction



Karin Bredenberg

Metadata strategist
Sydarkivera

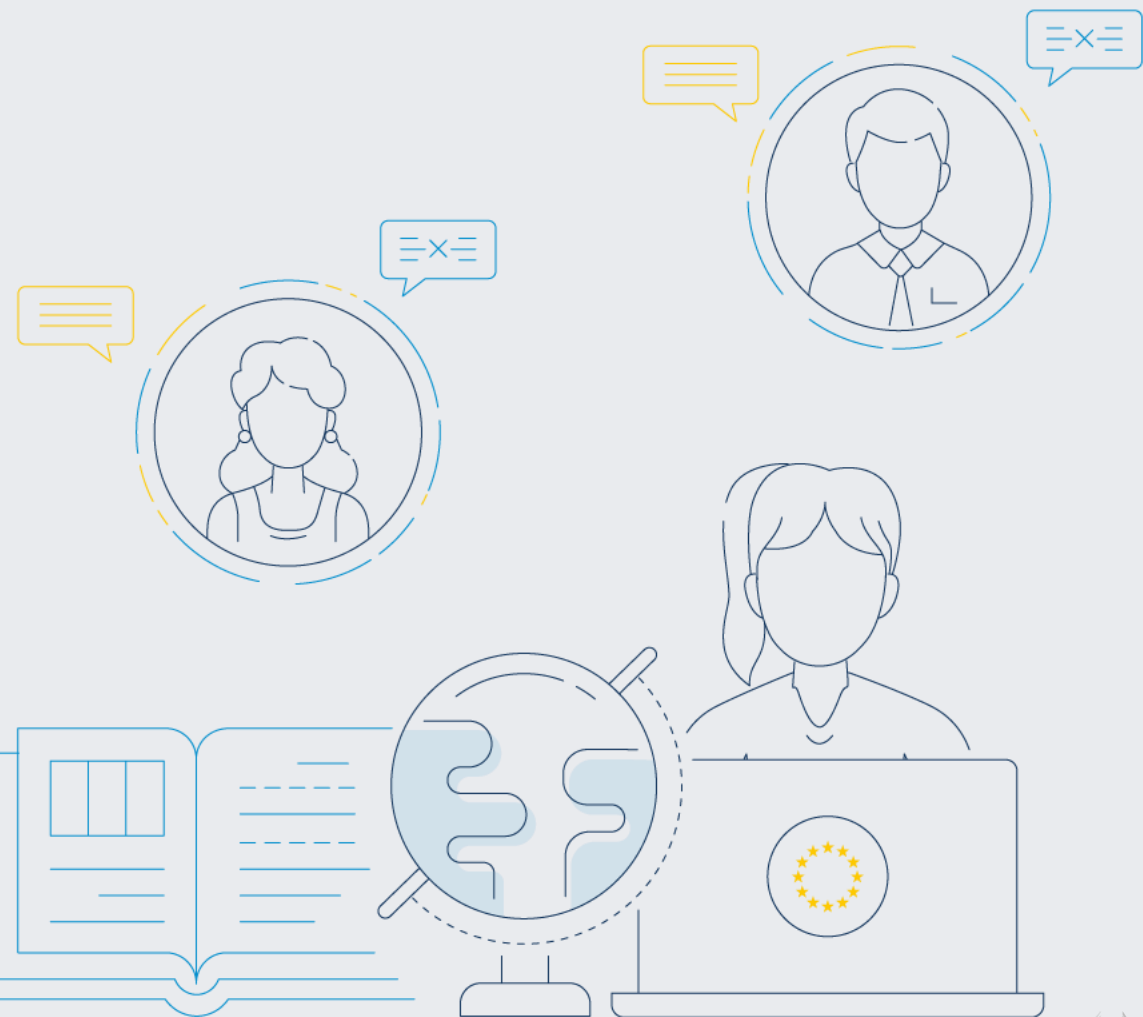


We have a lot of information around us found in many different systems!



Preserve, migrate, reuse and trust your data

Today, tomorrow and in the distant future.



A background network diagram consisting of numerous blue nodes of varying sizes connected by thin lines, creating a complex web-like structure. The nodes are more densely packed on the left side and become sparser towards the right.

Common Specifications and softwares

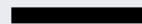


Individual solutions.

There are a lot of individual and special solutions created to solve the transfer of data.

A background network diagram consisting of numerous blue circles of varying sizes connected by thin lines, creating a complex web of connections. The circles are more densely packed on the left side and become sparser towards the right.

Common Specifications and softwares

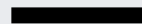


Common solutions.

If we share the same solutions we can easily preserve, migrate, reuse and trust our data.

A background network diagram consisting of numerous blue circles of varying sizes connected by thin lines, creating a complex web-like structure. The circles are more densely packed on the left side and become sparser towards the right.

Common Specifications and softwares



Common solutions.

We need to work together and use the same solutions!

eArchiving creates specifications to be used when data is transferred



eArchiving certifies/endorsees specifications to be used when data is transferred



eArchiving works together with data experts to get the best specifications!



eArchiving aids us with specifications so we are sharing the same way of structuring data for transfer!

eArchiving is the common ground for common specifications, which aids us to: preserve, migrate, reuse and trust our data

More about specifications and conformance after the morning coffee!





Thank you!

Karin Bredenber

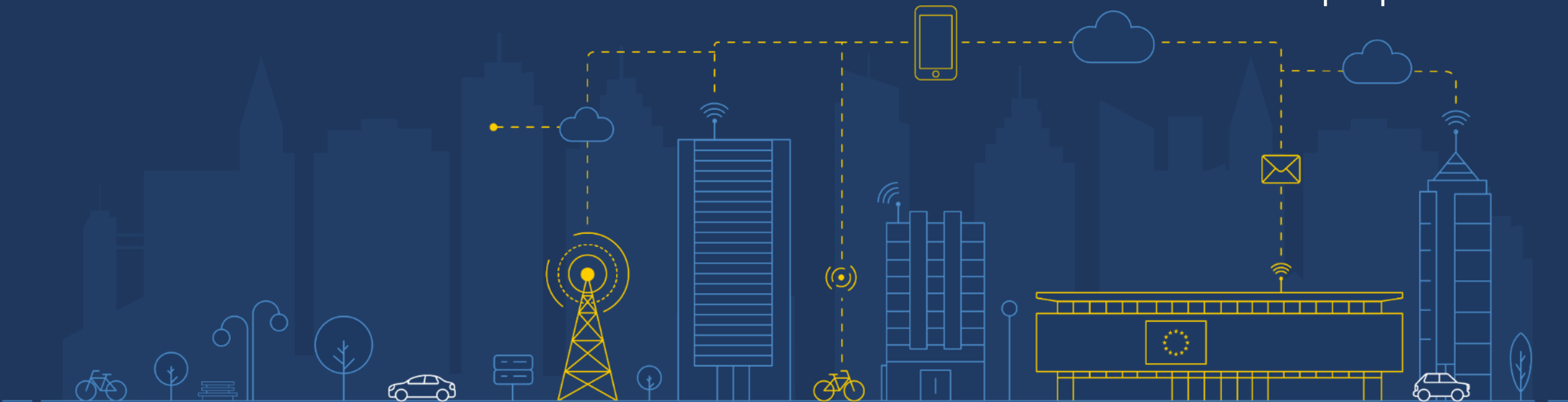


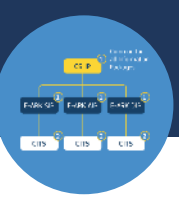
Using eArchiving Software



István Alföldi

Partner and Director,
Poliphon
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Content Type Specifications

E-ARK SIP

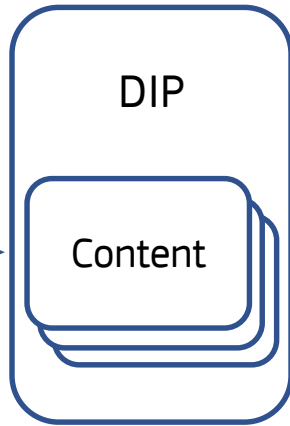
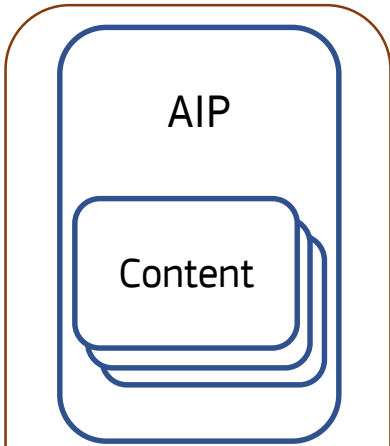
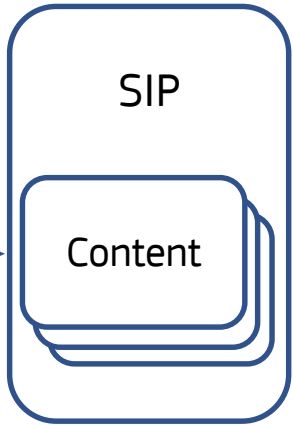
E-ARK AIP

E-ARK DIP

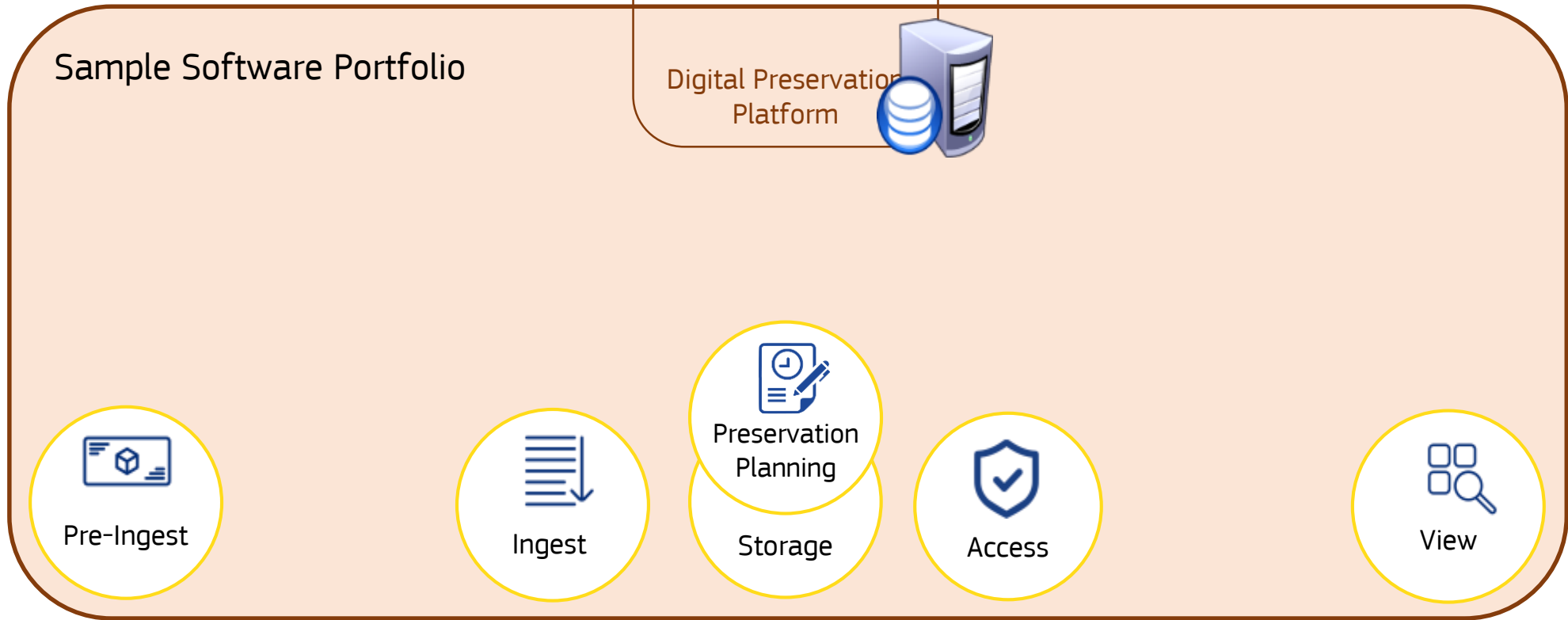
Content Type Specifications

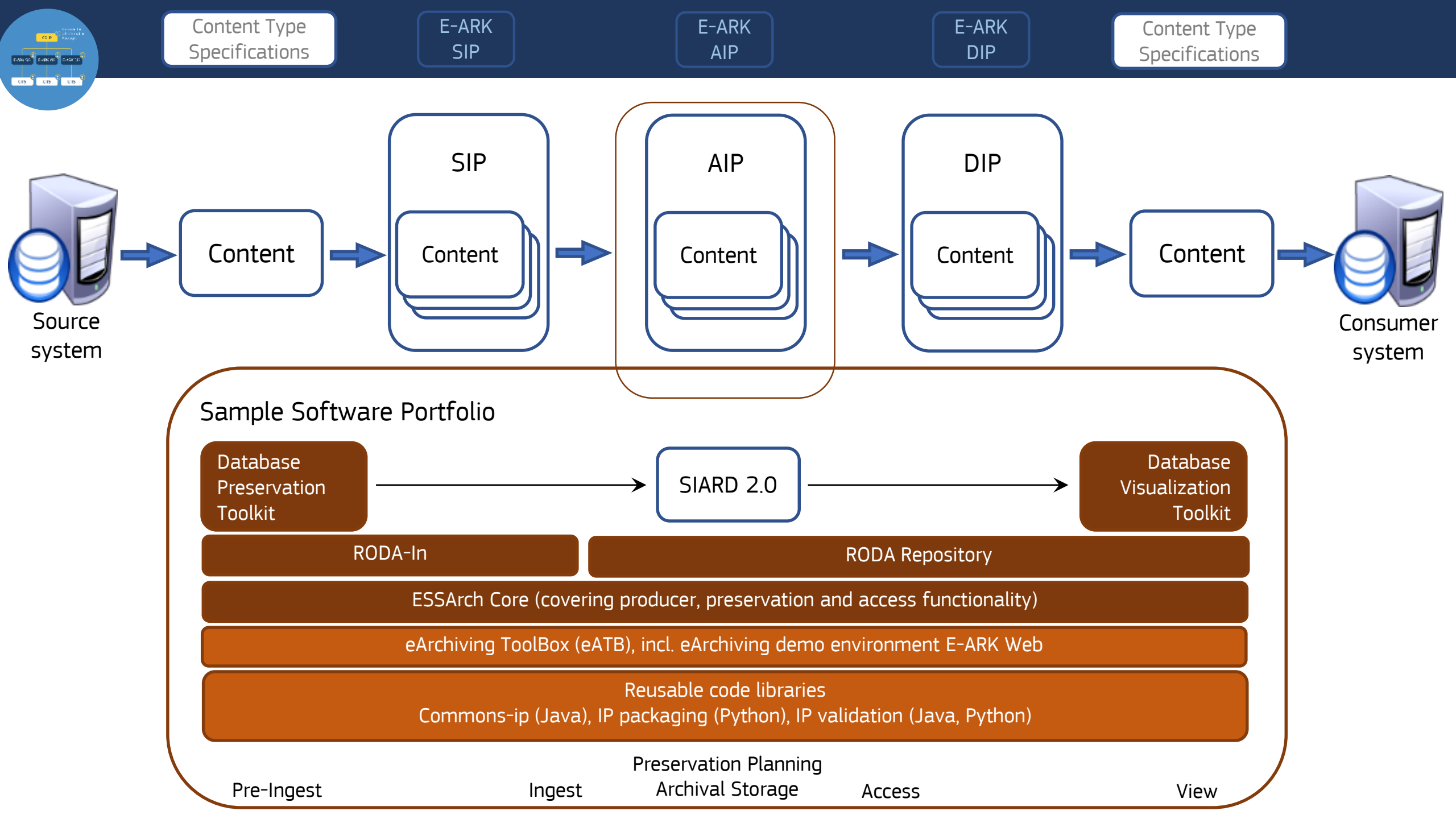


Source system



Consumer system





Content Type Specifications

E-ARK SIP

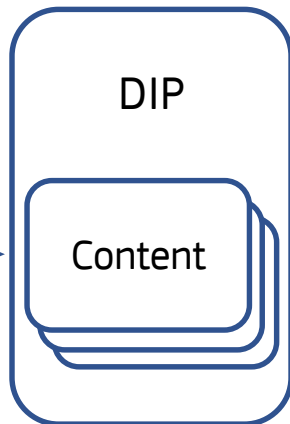
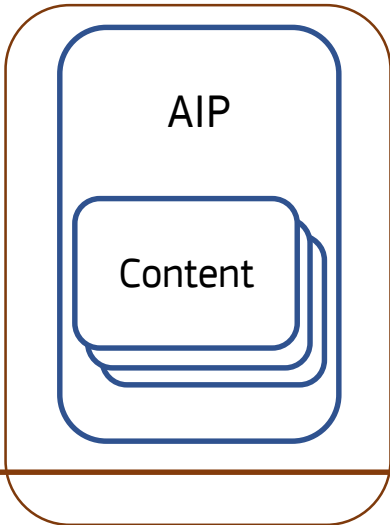
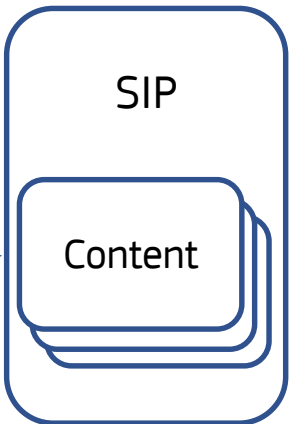
E-ARK AIP

E-ARK DIP

Content Type Specifications



Source system



Consumer system

Sample Software Portfolio

Database Preservation Toolkit

SIARD 2.0

Database Visualization Toolkit

RODA-In

RODA Repository

ESSArch Core (covering producer, preservation and access functionality)

eArchiving ToolBox (eATB), incl. eArchiving demo environment E-ARK Web

Reusable code libraries
Commons-ip (Java), IP packaging (Python), IP validation (Java, Python)

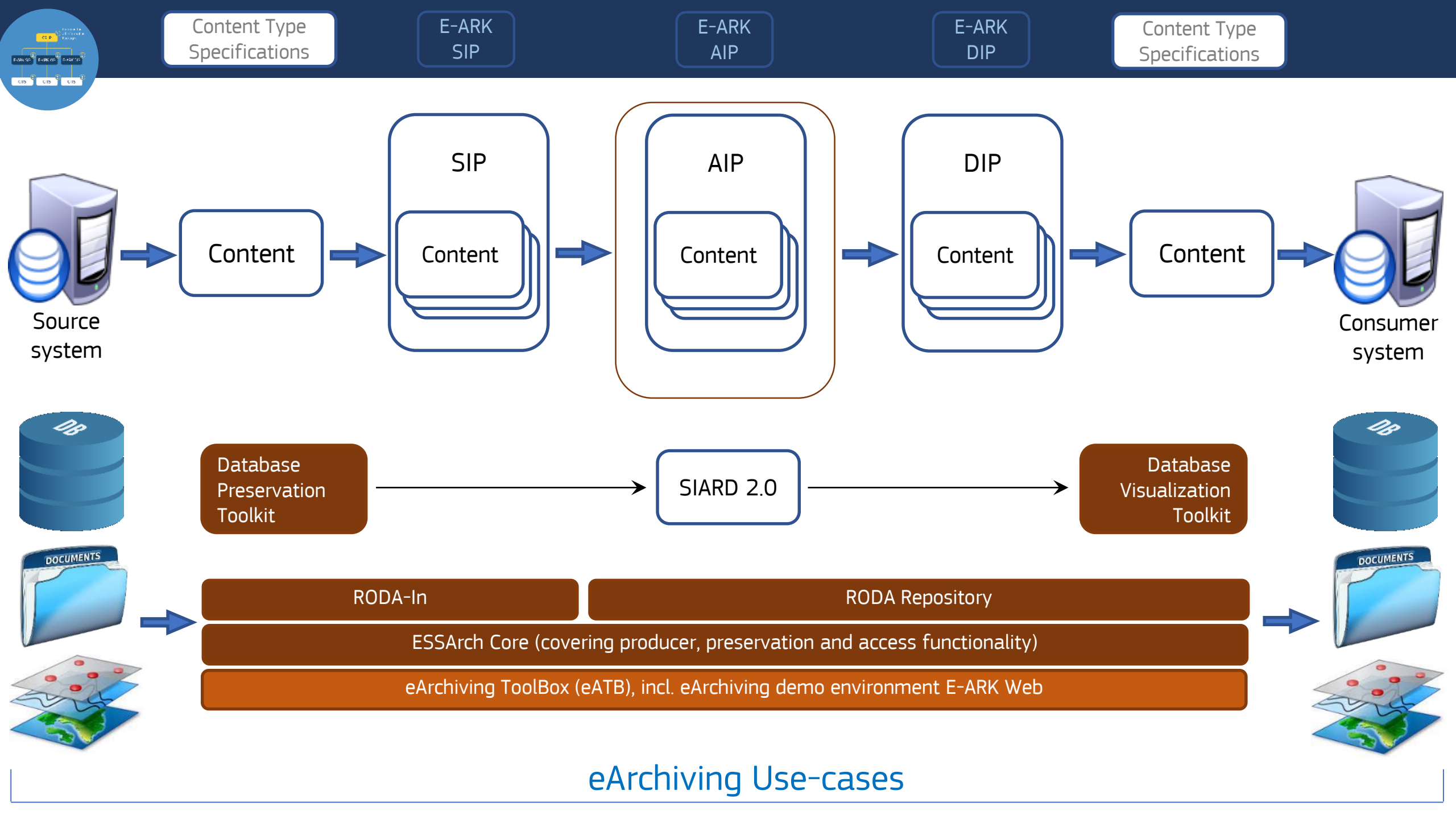
Pre-Ingest

Ingest

Preservation Planning
Archival Storage

Access

View



Content Type Specifications

E-ARK SIP

E-ARK AIP

E-ARK DIP

Content Type Specifications



Source system

Content

SIP
Content

AIP
Content

DIP
Content

Content



Consumer system



Database Preservation Toolkit

SIARD 2.0

Database Visualization Toolkit

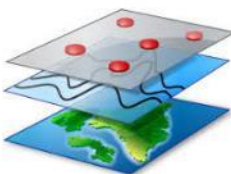


RODA-In

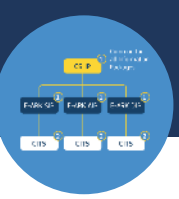
RODA Repository

ESSArch Core (covering producer, preservation and access functionality)

eArchiving ToolBox (eATB), incl. eArchiving demo environment E-ARK Web



eArchiving Use-cases



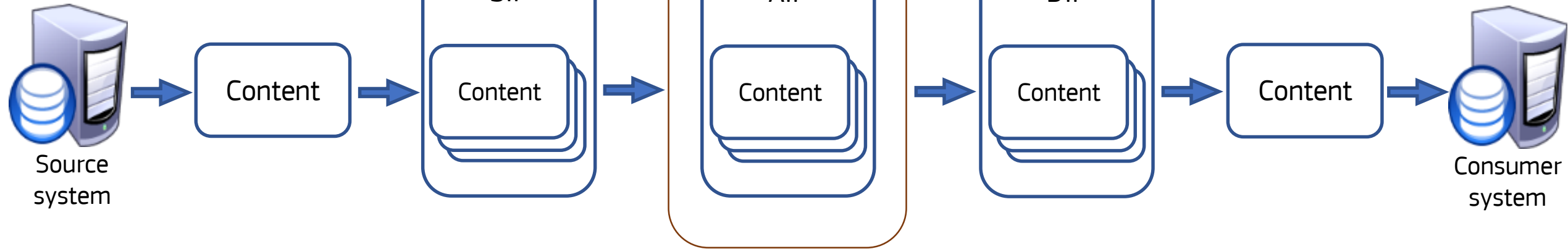
Content Type Specifications


E-ARK SIP

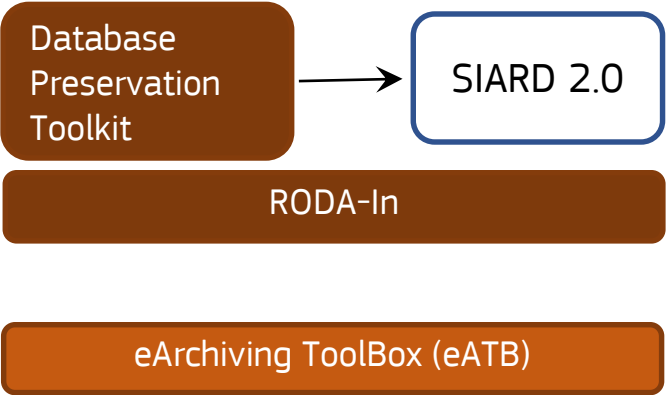
E-ARK AIP

E-ARK DIP

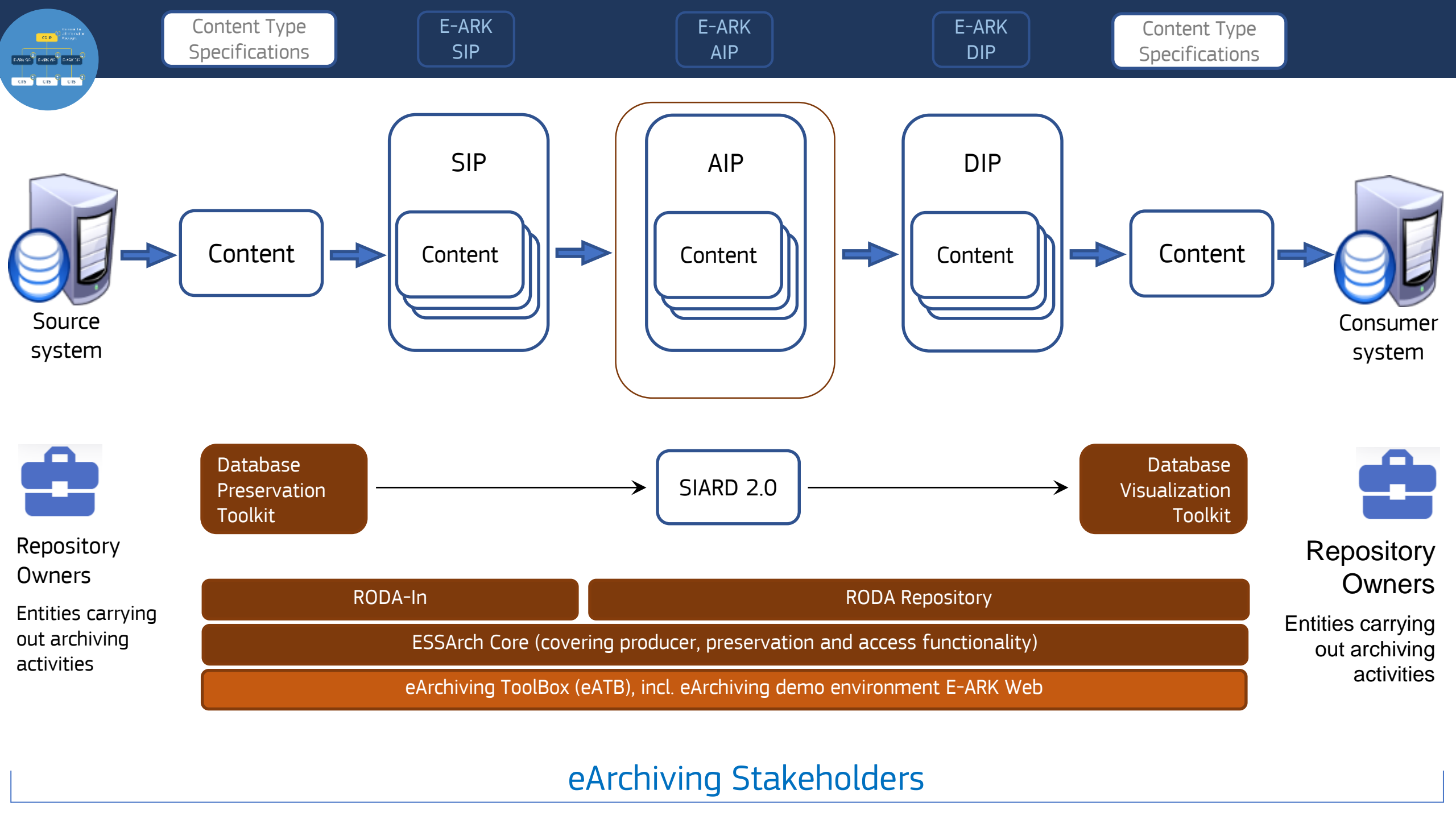
Content Type Specifications

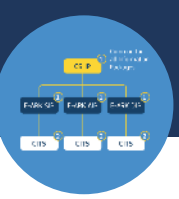



 Operations Managers
 Anyone with data that needs to be stored



eArchiving Stakeholders





Content Type Specifications

E-ARK SIP

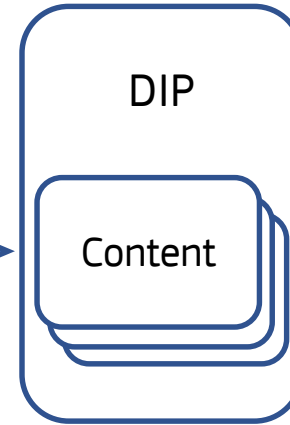
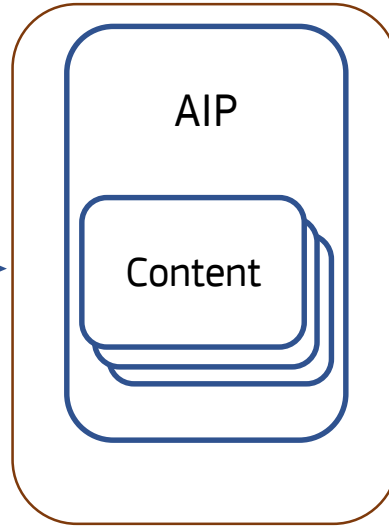
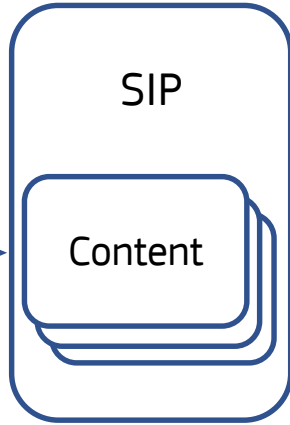
E-ARK AIP

E-ARK DIP

Content Type Specifications



Source system



Consumer system



Solution Providers

eArchiving ToolBox (eATB), incl. eArchiving demo environment E-ARK Web

Technical developers and researchers

Reusable code libraries
Commons-ip (Java), IP packaging (Python), IP validation (Java, Python)

eArchiving Stakeholders

Using eArchiving Training



Jaime Kaminski
Highbury Associates IVS
(Denmark)



eArchiving training: Aims



Provide technical support for the user community as a whole and to promote adoption of the CEF eArchiving Building Block tools and standards

eArchiving training: Aims

Developing high-quality tailored training focussed both on generic long-term preservation and digital archiving skills, and on the specific tools and standards, which were developed within the E-ARK projects

eArchiving training: Aims

Training Needs Analysis

Conducted in order to ensure that the training developed is appropriate for our target communities, and meets their actual needs

eArchiving training based on actual user requirements



E-ARK3 is currently conducting a Training Needs Analysis for digital archiving as part of the Connecting Europe Facility (CEF) eArchiving Building Block. The need for eArchiving training has never been greater. In the last two decades, governments, businesses and individuals have become increasingly digital. So much so that ninety per cent of the data in the world today has been generated in the last two years.

Data on this scale brings opportunities but it also brings challenges. The problem for memory institutions is that archiving even a small fraction of this data will become a massive burden. Long-term repositories dealing with this deluge must implement appropriate specifications, tools and workflows capable of processing huge quantities of information in an increasing variety of formats. Organizations in the archiving ecosystem need to be aware of the different approaches, systems and formats that can be implemented.

The aim of E-ARK3 is to promote a deeper engagement with and access to, eArchiving services. One of the ways that we will achieve this is by offering training. The following Training Needs Analysis will help ensure that the training developed is appropriate for our target communities, and meets their actual needs.

Your contribution to this questionnaire will help shape this training. Please encourage your colleagues and staff to respond. It should take about 10 minutes to complete.



Create better online surveys and forms








Login











<https://bit.ly/2psSep4>

Results

Preferred training delivery mechanisms

		Answers	Ratio
On-line training (self-paced)		46	65.71%
Instructor-led training (on site)		35	50%
On-line instructor-led training		33	47.14%
Training organised specifically for your organisation		28	40%
Instructor-led training (off site)		26	37.14%
Other		2	2.86%
No Answer		5	7.14%

Preferred training content types

		Answers	Ratio
Technical training (general)		48	68.57%
Technical training (standards)		46	65.71%
Introduction to <u>eArchiving</u>		41	58.57%
Technical training (E-ARK tools)		37	52.86%
Management level training		35	50%
Legal issues		28	40%
Other		4	5.71%
No Answer		5	7.14%

Training plans

Training plans

Dedicated CEF eArchiving Core training material will be developed covering the following areas:

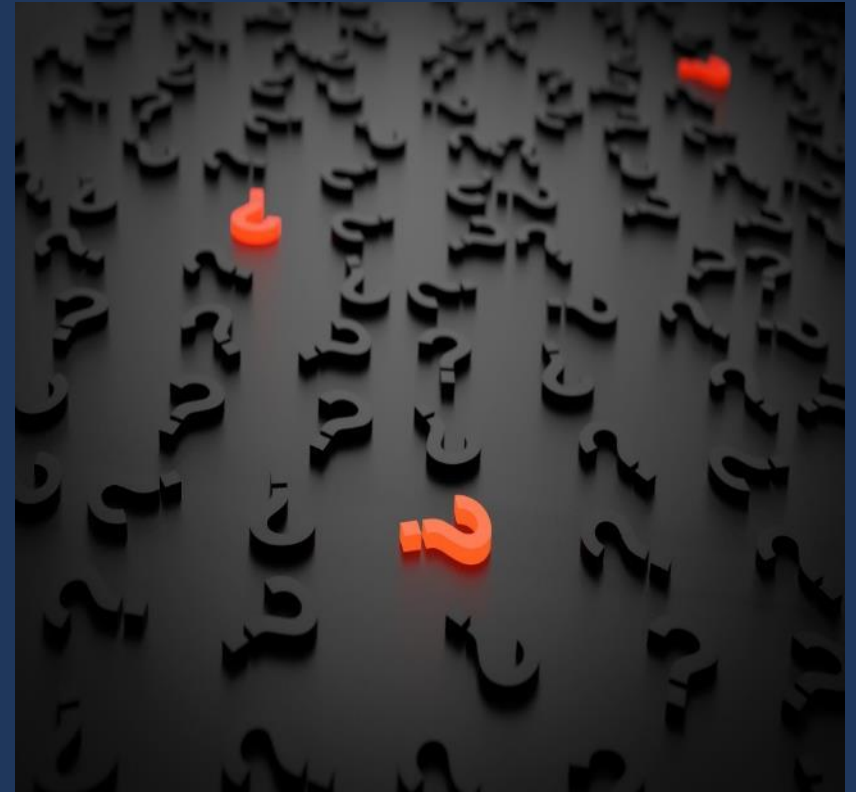
- Key IP specification: **CSIP**;
- Key Content Information Type specifications: **Database, Geodata**;
- **Validation** (requirements/corpus);
- End-to-end eArchiving systems: **RODA/ESS Arch**;
- **DBPTK, DBVTK**.

Training plans

Core training will be delivered as:

- Webinars
- Video training
- Moodle LMS training modules
- Face-to-face (e.g. running in parallel to CEF eArchiving events)

Questions?



Contact us



cef-building-blocks@ec.europa.eu

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Using eArchiving Outreach



Diogo Proença

Researcher at the IDSS – Information and Decision Support Systems Laboratory of the INESC-ID, Technical University of Lisbon



eArchiving – About last year

- Six events were organized specifically to promote eArchiving:
 - One in Brussels;
 - Two events in Spain;
 - Two in Slovenia;
 - One in Germany.
- Besides these six events we also introduced CEF eArchiving in several other events.



eArchiving – Uptake

- Successful uptakes
 1. Denmark – 1 organization;
 2. Estonia – 1 organization;
 3. Hungary – 1 organization;
 4. Norway – 3 organizations;
 5. Portugal – 3 organizations;
 6. Slovenia – 1 organization;
 7. Sweden – 3 organizations;
 8. Spain – 1 organization;
 9. Germany – 1 organization;
 10. EU - EUIPO (European Union Intellectual Property Office, Brussels).

Total: 16 organizations

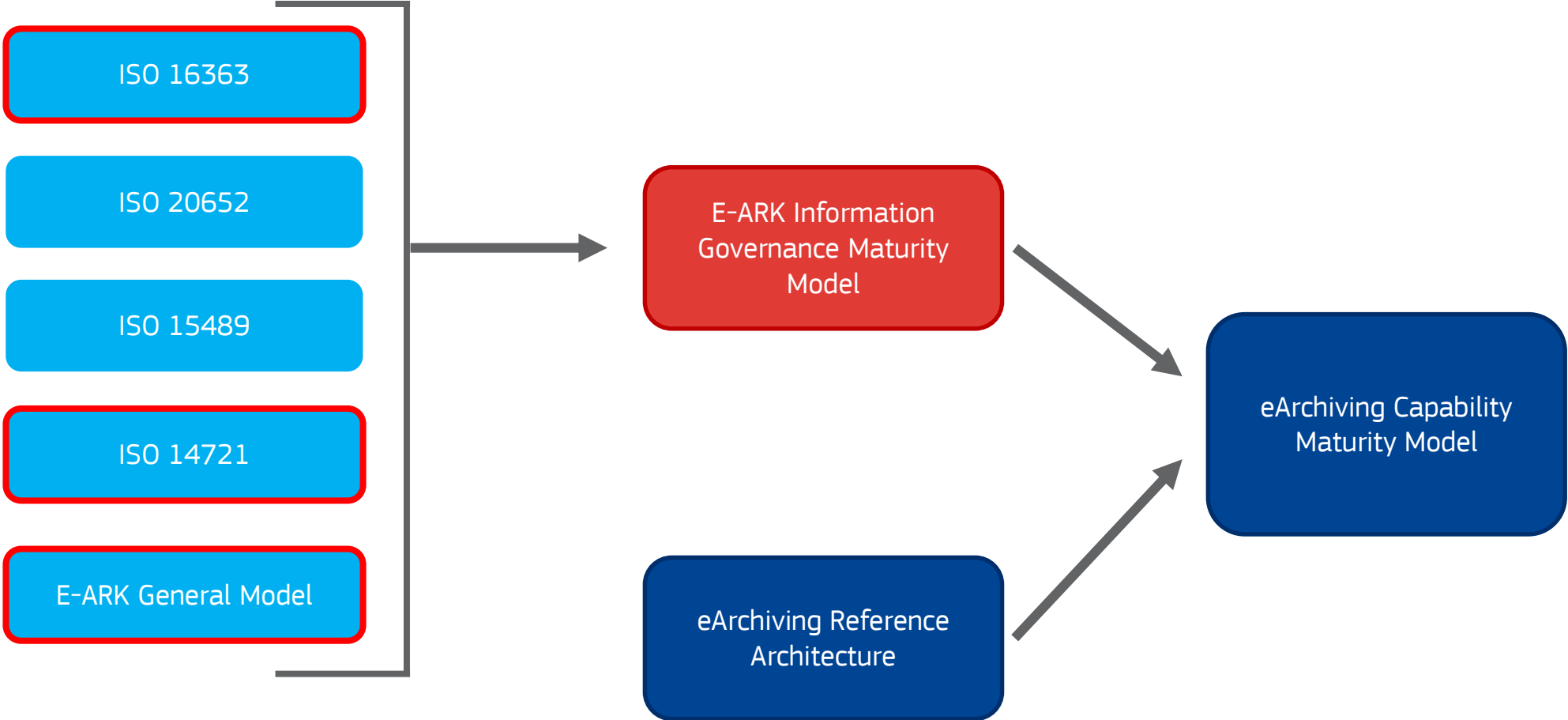
eArchiving – Uptake

Organization	DBPTK	DBVTK	E-ARK SIP	E-ARK DIP	SIARD	RODA	Other...
Danish National Archives							
National Archives of Estonia							
National Archives of Hungary							
National Archives of Norway							
Kommunearkivins titusjonenes Digitale Ressurs Senter (KDRS)							
Bergen Byarkiv							
Portuguese National Archives							
The University of Minho							
St John Hospital, Porto							
Slovenian National Archives							
Swedish National Archives							
Sydarkivera							
Swedish Customs							
EUPO (European Union Publication Office, Brussels)							

eArchiving Capability Maturity Model

- Can provide information for **benchmarking and internal auditing** (conformity, ...);
- Can support **measuring of progress** (assessment);
- Can help identifying **strengths and weaknesses** in an organization;
- Can help **identifying gaps** between the as-is state and actions in progress and the to-be state;
- Can support project **portfolio management** (identification and planning of efforts and priorities);
- Can be a **measure of trust** in eArchiving practice.

eArchiving Capability Maturity Model



Onboarding & Stakeholders Follow-up Service – About the service

- Facilitate the onboarding process for stakeholders interested in reusing the CEF eArchiving building block.
- The service supports users in the steps towards an eArchiving implementation through:
 1. Conferences and Events;
 2. Workshops;
 3. Demos;
 4. Webinars;
 5. Articles;
 6. News items;
 7. Communication campaigns.

Onboarding & Stakeholders Follow-up Service – About the service

- The scope of this service includes provision of coordination and support throughout the user journey, from discovering the CEF eArchiving building block to its operation in a production environment.
- The steps covered in this user journey are:
 - **Discover:** Support the onboarding process of stakeholders (*Prospecting*);
 - **Evaluate:**
 - To help identifying the specific business needs and translate these into requirements (*Elicit requirements*);
 - To help designing the eArchiving infrastructure taking into account the message exchange, the discovery and the security models (*Design*);
 - To help choosing the eArchiving solution to use from among Open Source, commercial solutions or a custom-built solution (*Select*).

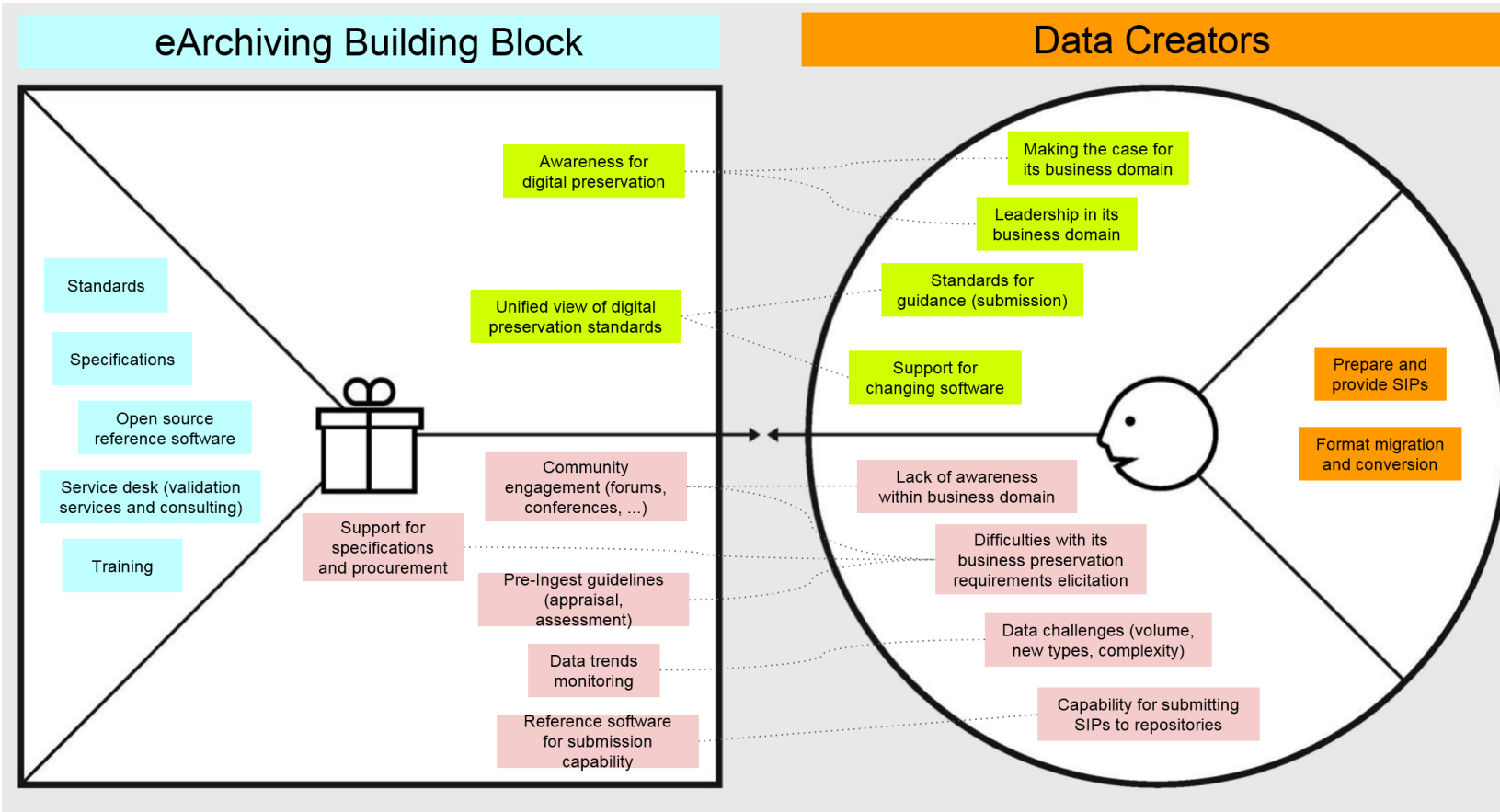
Onboarding & Stakeholders Follow-up Service – About the service

- **Start:**
 - To support the deployment the eArchiving solution and enable users to benefit from the Service Desk and the Training & Deployment service (*Deploy*);
 - To support the integration of an eArchiving Access Point, with backend(s) and/or with partners and undertaking of follow-up connectivity tests (*Integrate*).
- **Use:** to support the Go-live of the eArchiving solution (*Operate*);
- **Measure and Promote:**
 - To measure the maturity of their implementation (*Assess*);
 - To support stakeholders in presenting their solutions in highly relevant international venues (*Promote*).

Onboarding & Stakeholders Follow-up Service – Users of the service

Data Creators

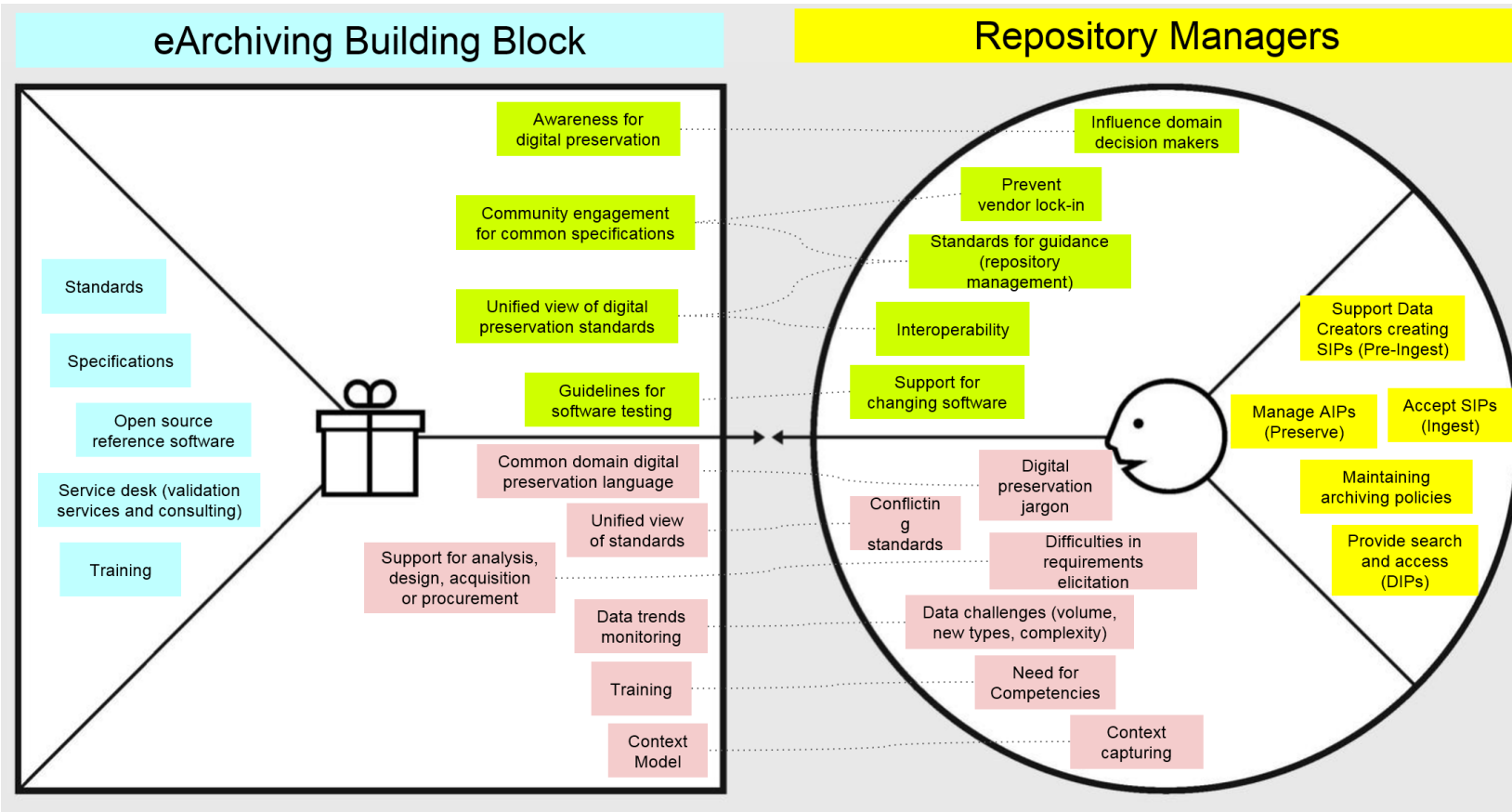
Those entities that are, or expect to be in the future, direct or indirectly responsible by the deposit of content in a digital repository for long-term digital preservation. This might be the case any entity that, in the course of its business activities, producing or receiving information that is subject to requirements of long-term assurance.



Onboarding & Stakeholders Follow-up Service – Users of the service

Repository Managers

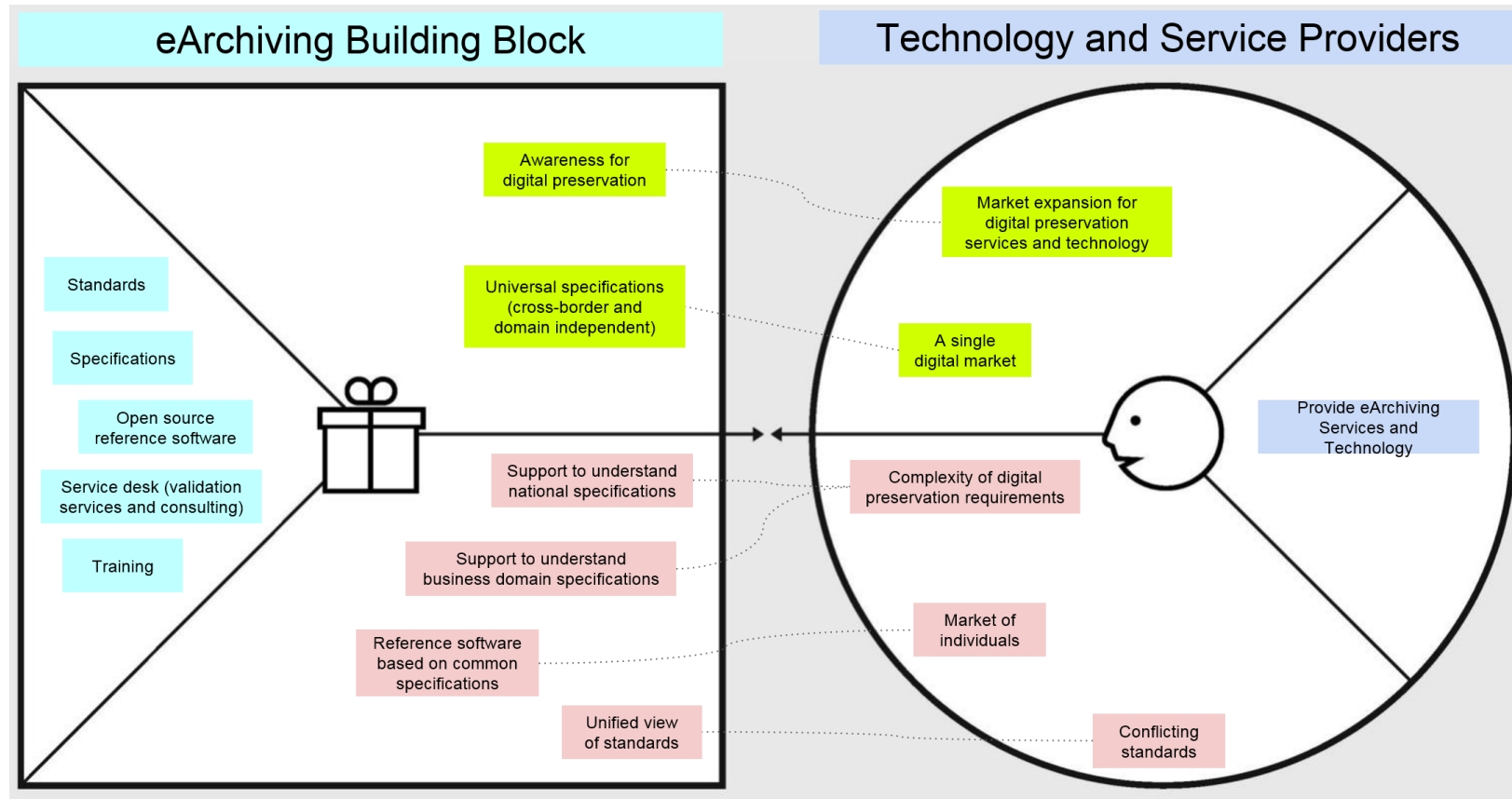
Those entities that are, or expect to be in the future, direct or indirectly responsible by the governance of a digital repository addressing long-term digital preservation concerns. Examples might be national, regional or local archives, ministerial archives, scientific archives, etc.



Onboarding & Stakeholders Follow-up Service – Users of the service

Technology and Service Providers

Those entities that are, or expect to be in the future, providers of technology or services for digital repositories or for data creators. Examples might be software providers, providers of digitization services, technology integrators, etc.



Onboarding & Stakeholders Follow-up Service – Benefits

- **Targeted and on-demand engagement activities:** The Onboarding and Stakeholder follow-up service offers stakeholders the opportunity to benefit from engagement activities that aim to increase the knowledge around CEF eArchiving, support the Onboarding process and follow-up on specific requests.
- **Facilitate the adoption process:** The Onboarding and Stakeholder follow-up service facilitates the adoption process through sharing of previous implementation experiences and best practices bringing together an eArchiving Community and facilitating access to information.
- **Reduced learning curve:** The Onboarding and Stakeholder follow-up service offers eArchiving policy and technical implementers the possibility to benefit from the expert knowledge of the CEF eArchiving Team. This allows reduced cost and time to implement eArchiving components and solutions.

If you want to know more, please contact us
cef-building-blocks@ec.europa.eu



Coffee break

We will resume at **11:40**

