DIGITAL LIBRARY OF LATVIA

digitalabiblioteka.lv
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DIGITAL LIBRARY OF LATVIA: SHARING CULTURAL HERITAGE AND DRIVING DIGITAL TRANSFORMATION

WHO WE ARE

3.8 million digital objects from over **500 partner** collections

DIGITAL LIBRARY

Our cultural heritage, stories and people are brought together in the Digital Library

Local researchers · Archivists · Museum professionals · Librarians · Heritage specialists · IT specialists · Private collectors · Members of non-governmental organisations · Media professionals · Cultural professionals · Enthusiasts · Educators

DIGITAL LIBRARY OF LATVIA

OUR PRINCIPLES:

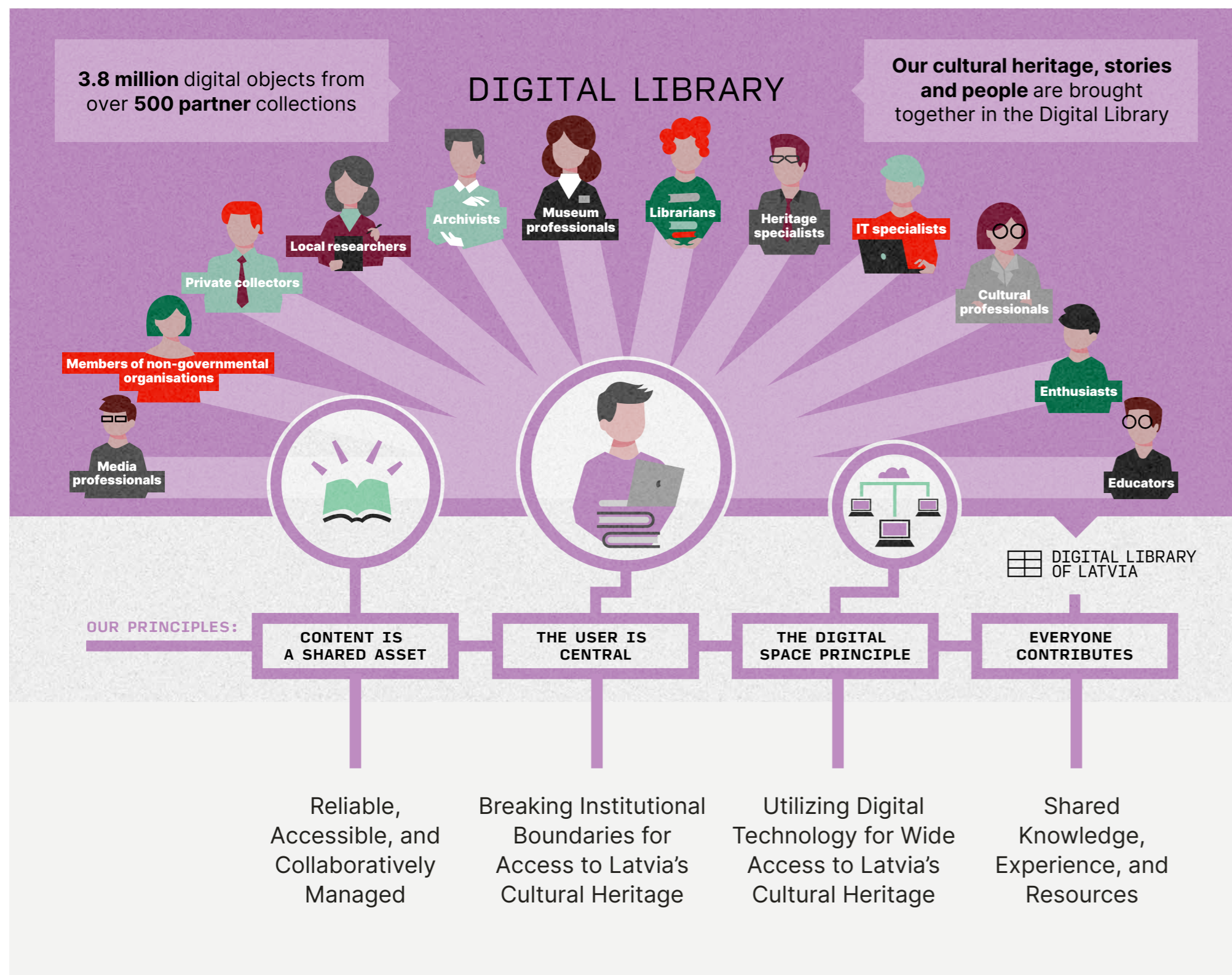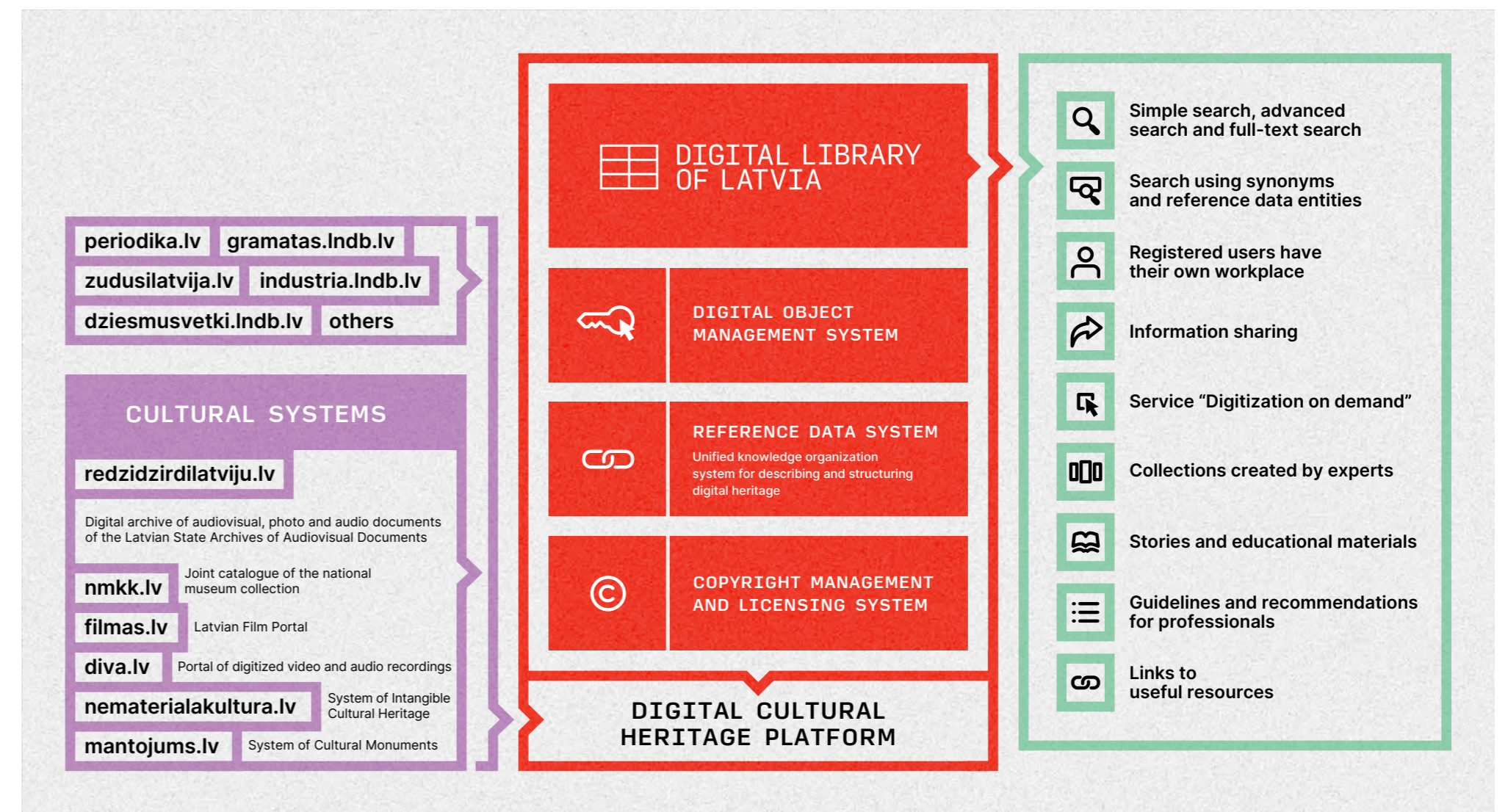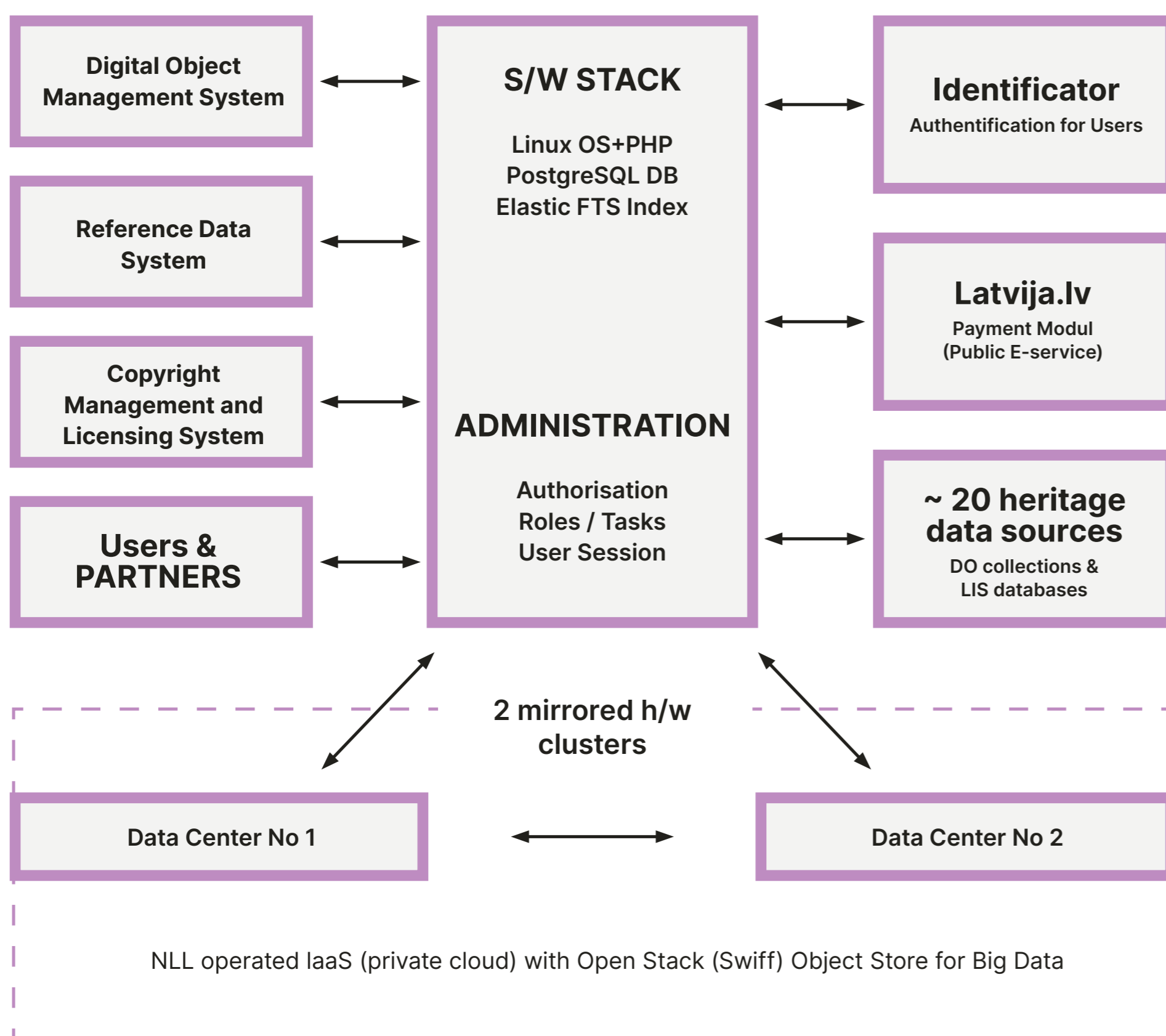| CONTENT IS A SHARED ASSET	THE USER IS CENTRAL	THE DIGITAL SPACE PRINCIPLE	EVERYONE CONTRIBUTES
Reliable, Accessible, and Collaboratively Managed	Breaking Institutional Boundaries for Access to Latvia's Cultural Heritage	Utilizing Digital Technology for Wide Access to Latvia's Cultural Heritage	Shared Knowledge, Experience, and Resources

Since its launch in 2023, the Digital Library of Latvia has become a cornerstone in preserving and sharing the country's cultural heritage. With an extensive collection from archives, museums, libraries, various organizations, and individuals, the Digital Library of Latvia stands as a comprehensive repository.

THE DIGITAL LIBRARY SOLUTION

periodika.lv · gramatas.lndb.lv · zudusilatvija.lv · industria.lndb.lv · dziesmusvetki.lndb.lv · others

CULTURAL SYSTEMS
redzidzirdilatviju.lv — Digital archive of audiovisual, photo and audio documents of the Latvian State Archives of Audiovisual Documents
nmkk.lv — Joint catalogue of the national museum collection
filmas.lv — Latvian Film Portal
diva.lv — Portal of digitized video and audio recordings
nematerialakultura.lv — System of Intangible Cultural Heritage
mantojums.lv — System of Cultural Monuments

DIGITAL LIBRARY OF LATVIA
DIGITAL OBJECT MANAGEMENT SYSTEM
REFERENCE DATA SYSTEM — Unified knowledge organization system for describing and structuring digital heritage
COPYRIGHT MANAGEMENT AND LICENSING SYSTEM

DIGITAL CULTURAL HERITAGE PLATFORM

- Simple search, advanced search and full-text search
- Search using synonyms and reference data entities
- Registered users have their own workplace
- Information sharing
- Service "Digitization on demand"
- Collections created by experts
- Stories and educational materials
- Guidelines and recommendations for professionals
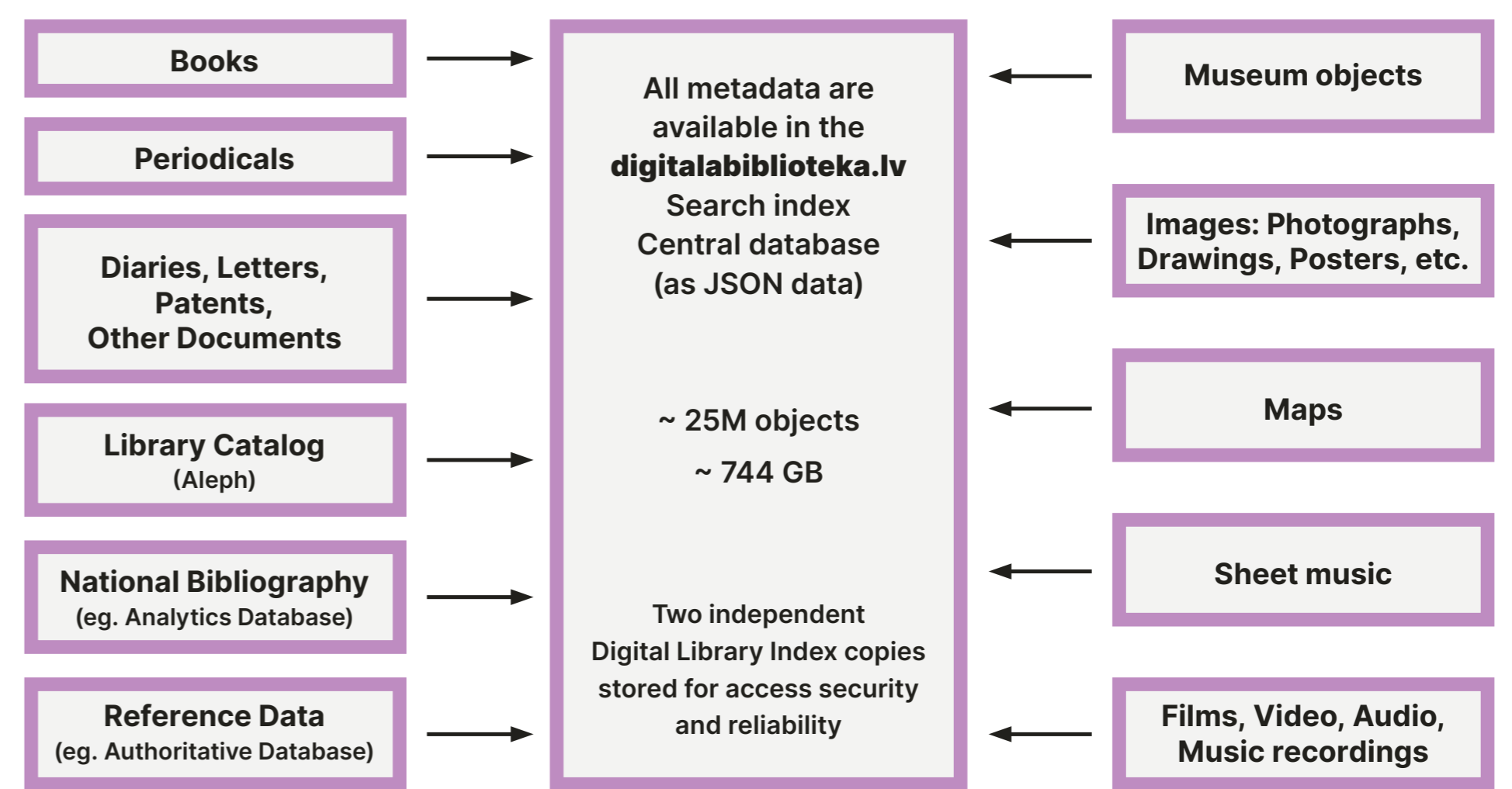- Links to useful resources

At the core of the Digital Cultural Heritage platform, the Digital Library facilitates the **unified dissemination** of digital cultural heritage objects. The Digital Object Management System ensures the **unified management and preservation** of digital cultural heritage objects, including the maintenance of a standardized and consolidated catalog of digital cultural heritage objects. The Reference Data Solution has been implemented to manage **unified description and structuring of cultural heritage values.** It provides accessibility to a shared cultural heritage reference data pool, ensuring consistency and coherence. To navigate the complexities of **copyrights and access rights**, the Digital Cultural Heritage Platform incorporates a sophisticated copyright management and licensing system.

HIGH LEVEL SYSTEMS ARCHITECTURE

Digital Object Management System ↔ **S/W STACK** — Linux OS+PHP, PostgreSQL DB, Elastic FTS Index ↔ **Identificator** — Authentification for Users

Reference Data System ↔ **Latvija.lv** — Payment Modul (Public E-service)

Copyright Management and Licensing System ↔ **ADMINISTRATION** — Authorisation, Roles / Tasks, User Session

Users & PARTNERS ↔ **~ 20 heritage data sources** — DO collections & LIS databases

2 mirrored h/w clusters

Data Center No 1 ↔ Data Center No 2

NLL operated IaaS (private cloud) with Open Stack (Swift) Object Store for Big Data

MAIN DATA SOURCES FOR SEARCH INDEX

Books → · Periodicals → · Diaries, Letters, Patents, Other Documents → · Library Catalog (Aleph) → · National Bibliography (eg. Analytics Database) → · Reference Data (eg. Authoritative Database) →

All metadata are available in the **digitalabiblioteka.lv** Search index Central database (as JSON data)

~ 25M objects
~ 744 GB

Two independent Digital Library Index copies stored for access security and reliability

← Museum objects · ← Images: Photographs, Drawings, Posters, etc. · ← Maps · ← Sheet music · ← Films, Video, Audio, Music recordings

Reference data entities include various attributes such as name, place, institution, etc. Reference data entities are interconnected, which helps the user find digital objects or information. All partner institutions data have been linked together so that nothing is lost. For those institutions that have authoritative data or are using classifiers, data are made as re-usable element for everyone.