

# **CAMSS ELAP**

**v2.0.0**



## **Overview**

Modification	Details
<b>Version 1.0.0</b>	
<b>Initial version</b>	

## Change Control

## Disclaimer

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# 1. INTRODUCTION

## 1.1. General Context

The DEP programme of the European Commission supports the development of solutions that enable the cross-border delivery of interoperable public services in Europe. In order to ensure the interoperability of said services, the EIA action works as an integrator between Member States and other departments of the European Commission for the development of a joint interoperability architecture for public services. The main output of this action is the European Interoperability Reference Architecture<sup>1</sup> (EIRA©) which implements the European Interoperability Framework (EIF) in the Legal, Organisational, Semantic, and Technical (LOST) views of interoperability.

The European library of Architecture Principles (ELAP) is intended to direct government organisations in initiating changes and implementing IT projects. Particularly when designing new or modified services, it is necessary to make visible how the principles are implemented and which considerations are made in this regard. The comply-or-explain principle applies here, whereby deviations are permitted, provided they are substantiated and recorded with good arguments whereby they can be revisited at a later stage. This prevents important matters from being overlooked.

## 1.2. Objective and Scope of the document

The objective of this document is to provide an interoperability-oriented solution helping to identify the right sources and allowing for proper contextualisation when arriving at decision making points in architecture and design. The solution proposed is ELAP.

## 1.3. Structure of this document

This document consists of the following sections:

- Section 2 explains what ELAP is and what its goals are.
- Section 2.1 explains the intended audience of ELAP.
- Section 2.2 explains how to use ELAP.
- Section 2.3 contains the Microsoft Excel version of ELAP.
- Section 2.4 contains the Turtle (TTL) version of ELAP.
- Section 3 lists the different acronyms used in the whole document.

# 2. EUROPEAN LIBRARY OF ARCHITECTURE PRINCIPLES (ELAP)

The ELAP was created out of a carefully selected set of sources deemed necessary to help achieve the goals of ELAP, and more specifically the goals of the interoperability programs within public institutions in Europe. Architecture principles provide a highly abstracted view on the interoperability requirements, which are implemented by its interoperability specifications. Besides the EIF principles – that are considered architecture principles in ELAP – other sources are also considered and included. The principles are qualified based on their applicability (i.e. the usefulness of providing guidance when realising SBBs) and on their legal or regulatory basis by aiding architects involved in IT programs to ensure full compliance with the European regulatory framework.

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<sup>1</sup> EIRA: <https://joinup.ec.europa.eu/collection/european-interoperability-reference-architecture-eira/about>

## 2.1. Intended audience

The ELAP is intended to be used by architects (system architects, enterprise architects) involved in IT change programs to provide guidance for making correct design decisions. Furthermore, the ELAP will help identify the right sources and allow for proper contextualisation when arriving at decision making points in architecture and design.

Policy makers are served by ELAP to ensure that accepted or to be accepted solutions comply with the recommended frameworks. They are also served by endorsing decisions that further proliferate interoperability between organisations at all levels (Legal, Organisational, Semantical, and Technological) thus the effective and efficient use of resources.

Finally, ELAP may support technology companies in providing the right services to public institutions. The ELAP may be incorporated as a basis for requirements, in calls for tenders for instance.

## 2.2. How to use ELAP

The principles listed in ELAP are taken from various sources with references and rationale. They are categorised (column 'Category') based on the ITIL v3 high level processes. The references and descriptions may serve as a source for further elaboration or specification within the business domain. For instance, the 'Digital Inclusion' principle may be further specialised into principles on web access technologies, security frameworks, microservices architectures, and information exchange protocols.

## 2.3. How to access ELAP from Cartography Tool

This section explains how to access and consult ELAP from the EIRA Cartography Tool<sup>2</sup>.

To consult ELAP, the following steps have to be followed:

1. In Archi, activate EIRA support;
2. Once the EIRA support is activated, in the browser display "EIRA Extension Library" and then "European Library of Architecture Principles";
3. ELAP is opened:

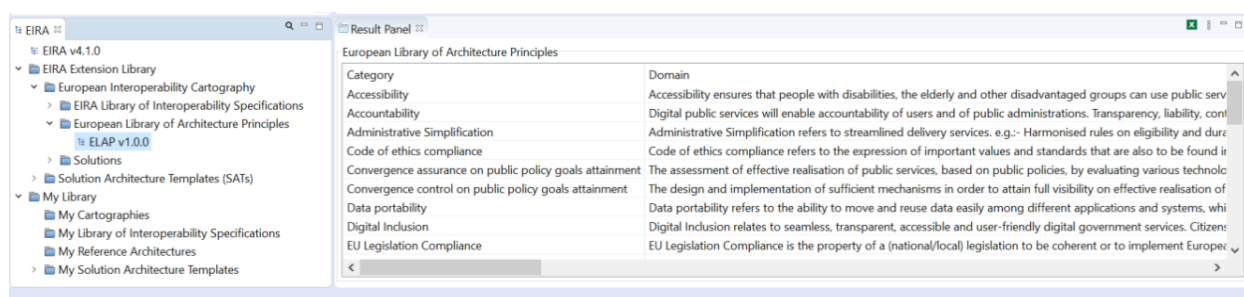


Figure 1 ELAP in CarTool

## 2.4. ELAP Persistent URIS (PURIS)

This release of the ELAP includes new PURIS for the principles added according to the approach applied on the last minor version published. .

<sup>2</sup> Cartography Tool: <https://joinup.ec.europa.eu/collection/european-interoperability-reference-architecture-eira/solution/cartography-tool>

The content of ELAP can be consulted directly on Joinup, where pages have been created per each Architecture Principle.

## 2.5. ELAP Excel version



ELAP\_v2.0.0.xlsx

## 2.6. ELAP TTL version



ELAP\_v2.0.0.ttl

## 3. ACRONYMS

Acronym	Description
DEP	Digital Europe Programme
EIF	European Interoperability Framework
EIRA	European Interoperability Reference Architecture
ELAP	European Library of Architecture Principles
SBB	Solution Building Block
TTL	Turtle Language

Table 1 Acronyms