



The European Interoperability Reference Architecture (EIRA) is an architecture content metamodel defining the most salient architectural building blocks (ABBs) needed to build interoperable eGovernment systems. The EIRA provides a common terminology that can be used by people working for public administrations in various architecture and system development tasks.

EIRA use cases

Design

Accelerate the design of systems that support the delivery of interoperable digital public services (across borders and sectors)

Assess

Provide a reference model for comparing existing architectures in different policy domains and thematic areas, to identify focal points for convergence and reuse

Communicate & Share

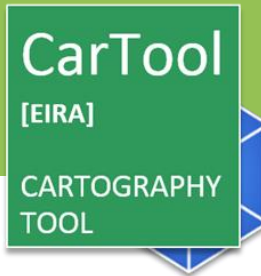
Help documenting the most salient interoperability elements of complex systems and facilitate the sharing of reusable solutions

Discover & Reuse

Ease the discovery and reuse of interoperability solutions through the TES Cartography using the CarTool

Available at: <https://joinup.ec.europa.eu/collection/european-interoperability-reference-architecture-eira/about>

CarTool Value proposition



The Cartography Tool (CarTool) brings together high level support for the EIRA as a plug-in for the popular ArchiMate modelling tool Archi®. It includes both editing features, to model solutions using the EIRA, and querying features to query an EIRA-based Cartography of solutions.

CarTool use cases

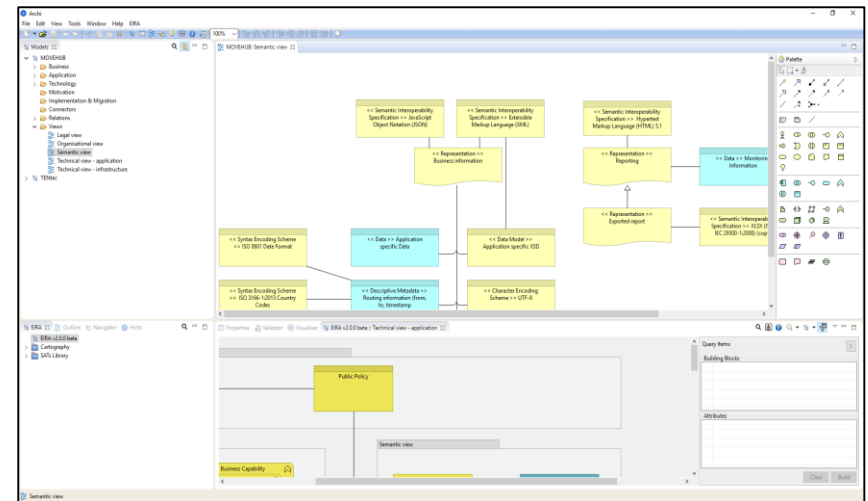
Search

- Query Cartographies, such as the EIC and the TESCART for used solutions
- Consult a list of proposed IoP Specifications

Model

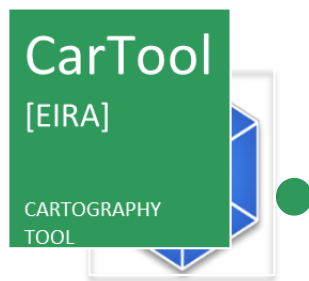
- Model new solutions based on either the EIRA, SATs or existing TES
- Model SATs based on the EIRA

CarTool view



Available at: <https://joinup.ec.europa.eu/solution/cartography-tool/about>

EIRA & CarTool key areas of support



Design

Assess

Communicate & Share

Discover & Reuse

- Providing a controlled vocabulary
- Decoupling functionalities in Architectural Building Blocks
- Facilitating the identification of IOP specifications
- Providing the key Interoperability enablers ABBs
- Accelerating development cycle
- Enabling cartographies
- Promoting discovery/reusability
- Supporting Portfolio Mgmt Decision Making
- Supporting Public Policy formulation

