Ministry of Smart Administration and Regional Development Republic of Latvia

Introduction of Latvia EA situation: status and challenges

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Republic of Latvia

Agenda

01 State Digital Government Architecture Management

02 Showcase of Domain Architecture: Trust & Electronic Identity

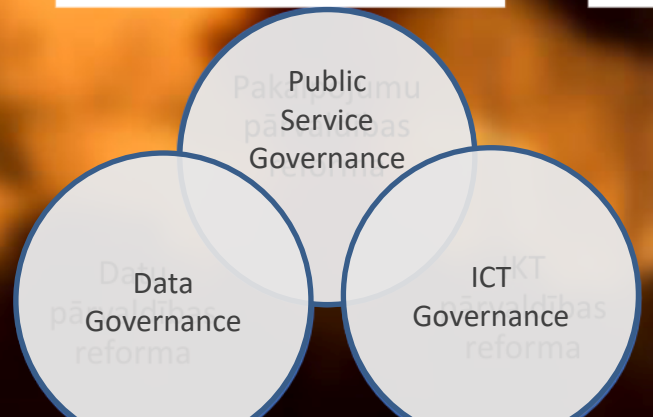
03 Discussion & Conclusion

01. State Digital Government Architecture Management

National Digital Strategy (2021-2027)

Government Services and data	ICT Governance	Information Society
Convenient, accessible, & shared	Modern, Efficient and Integrated	Be ahead of time, and No one left behind

- Policy
- Architecture
- Investments
- Projects



Our vision for a digitally empowered state

where every citizen and business can benefit from the digital and green transformation

and is encouraged to develop skills and capacities to prosper in the digital age.

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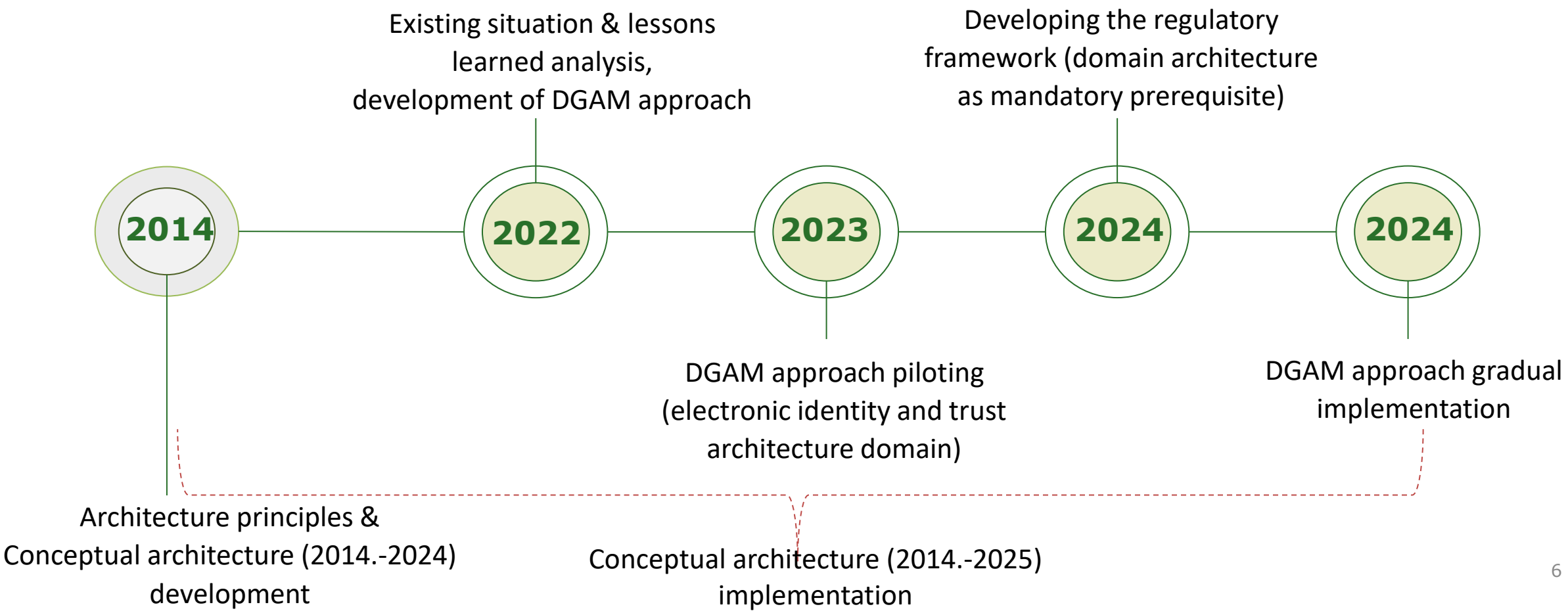
Roadmap for State Digital Government Architecture Management (DGAM)



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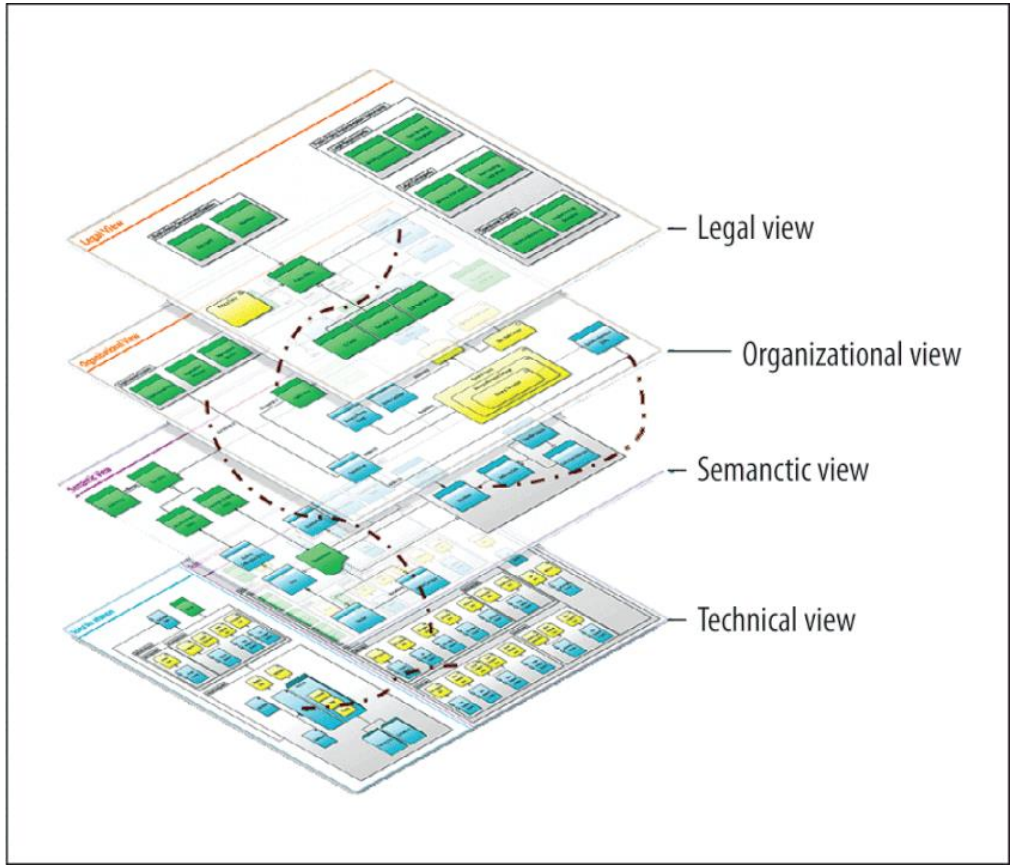
Architecture Context and Scope

- **Digital government architecture** (not just ICT architecture)
- Legal, organisational, semantic and technical view
- Using world-leading standards (TOGAF) and adapted practices from private sector
- Application of European interoperability frameworks (EIRA, EIF)



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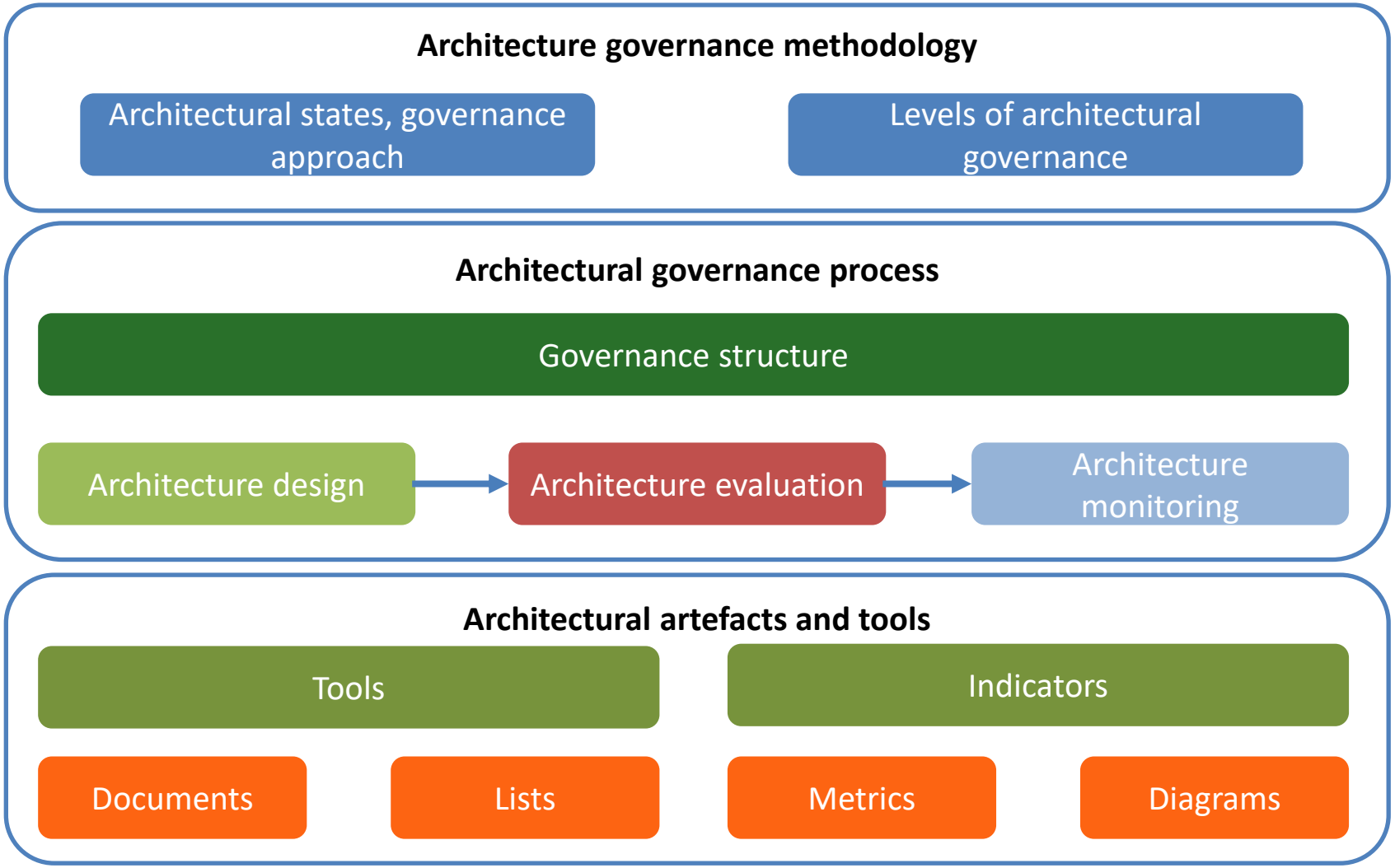
Overview of DGAM Framework



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Levels of Architecture Governance

- National architectural principles and requirements
- Architectural governance framework and guidelines
- Oversight of architectural design of domain and project solutions (may be delegated to L2)

L1 - State level

Conceptual level

VARAM
Responsible authorities - AM, CSP, DVI, KM, LPS

- Domain principles, requirements and target architecture
- Oversight of the architectural design of the project solutions of respective domain

L2 - Domain level

Domain authorities

Programme promoters

- Architecture of the project solution
- Solution design development and supervision

L3 – Project level

Project promoters

Detailed design

Permanent level of governance

Delegated authority

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Architectural States, Artefacts and Tools

AS-IS state digital services architecture
Catalogues and matrices in the National Information Resources, Systems and Interoperability Information System (VIRSIS)

Transitional architecture= project solutions
Solution architecture descriptions in the Architecture Repository
Catalogues and matrices in VIRSIS

TO-BE state digital services architecture
Architecture principles and requirements (national, domains)
Domains target architecture descriptions in the Architecture Repository

Institutions register the components of the existing architecture

VARAM monitors data quality and integrity

Project promoters develop solution architecture documents

National Architecture Forum or Domain responsible authorities evaluate and approve solution architectures

Institutions register approved project components to be developed in VIRSIS, track their life cycle status

VARAM develops national architecture principles and requirements

Domain responsible authorities (competence centers) develop domain target architecture descriptions

National Architecture Forum evaluates and approves Domain architectures

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Architecture Governance Roles

State Architecture Forum (part of ICT Managers Forum)

State Lead Architect (VARAM)

Domain X Architecture Governance Team

Domain X Lead Architect

Domain X Architect

Domain X Architect

Domain Y Architecture Governance Team

Domain Y Lead Architect

Domain Y Architect

Domain Y Architect

Domain Z Architecture Governance Team

Domain Y Lead Architect

Domain Y Architect

Domain Y Architect

Subject Matter Experts

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Architecture Domains

Horizontal domains

- National digital services
- National data exchange and management
- Trust and electronic identification
- Public administration mondernization (including: public resource management, transparency and elections, legal information, etc.)
- ICT infrastructure and cybersecurity

Sectoral and cross-sectoral domains

- Finance, tax and customs
- Education and science
- Agriculture
- Transport
- Health
- Environment and regions
- E-case
- Culture
- Building
- Welfare

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Architectural and Portfolio Management: Aligning with Regulatory Requirements

MINISTERIAL COMMITTEE ON DIGITAL MODERNISATION (MDMK)

VARAM

STATE ARCHITECTURE FORUM (PART OF IT MANAGERS FORUM)

MINISTRIES

INSTITUTIONS

SUBJECT MATTER EXPERTS

Priority areas for development and investment

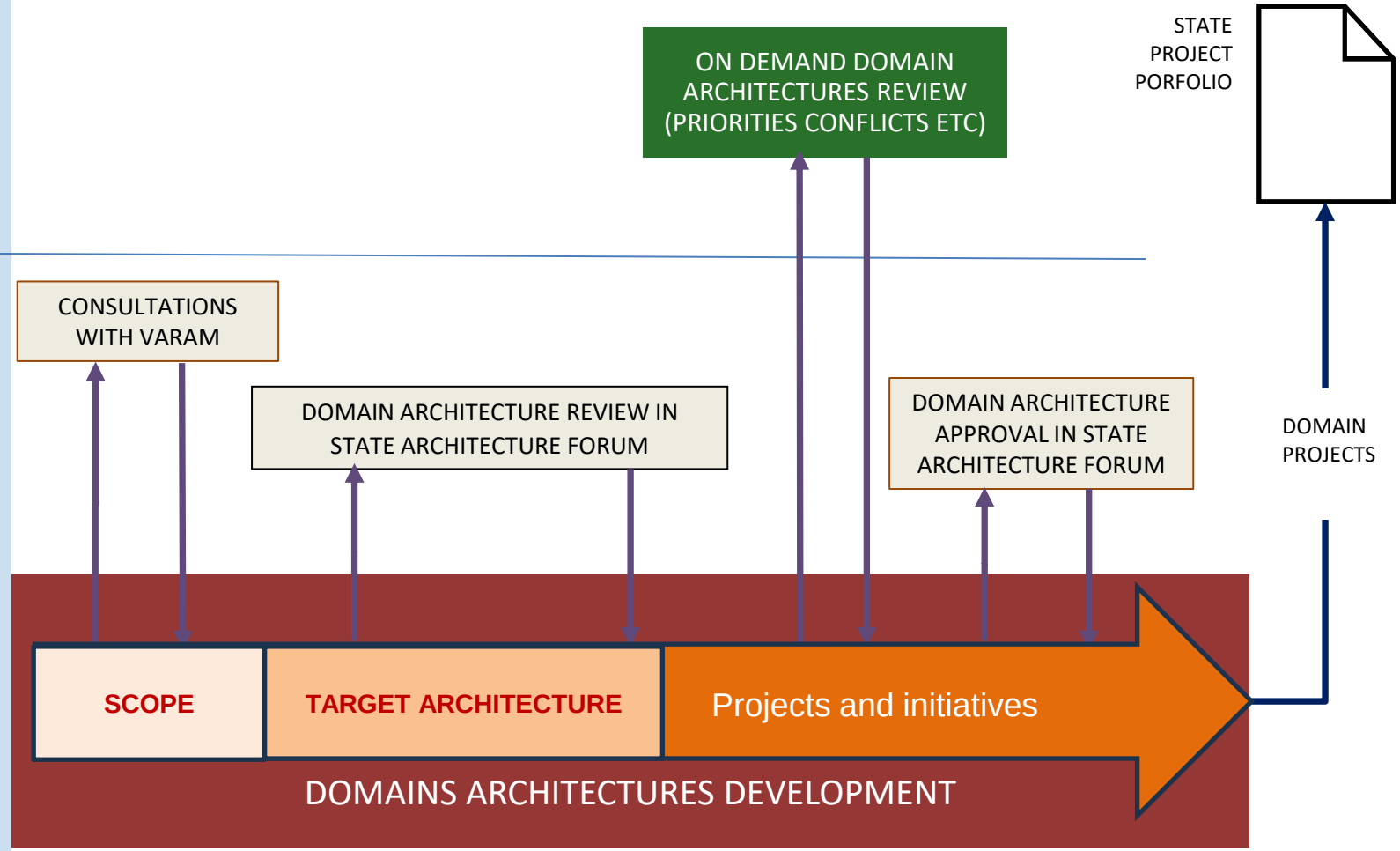
Input data

Existing or AS-IS architecture (functions, information, regulatory requirements, technology)

Existing architecture assessment (gaps, improvement areas etc.)

Development goals

Existing projects and initiatives



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Existing Challenges

- Challenges in establishing Centers of excellence
- Insufficient Enterprise Architecture capabilities (architect roles in institutions etc.)
- Limited time available for domain architectures development, what can result on quality issues
- Several uncertainties, assumptions, and open questions regarding target architectures
- Solution and project legacy
- Architecture governance as a consistent process implementation

02. Showcase of Domain Architecture: Trust and electronic identification

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Trust and Electronic Identification Domain: Goals

- **G.1.** Establishing a European Digital Identity Framework
- **G.2.** Enhancing Trust and Electronic Identification Services
- **G.3.** Expanding Secure Delivery and Storage Solutions
- **G.4.** Optimizing Customer Service Processes

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Trust and Electronic Identification Domain: Arcitecture Principles

P.1. Reliability

P.2. Once-only

P.3. Self-service

P.4. Seamless and excellent user experience

P.5. Interoperability

P.6. Person as own data manager

P.7. United communication channels

P.8. Reusability

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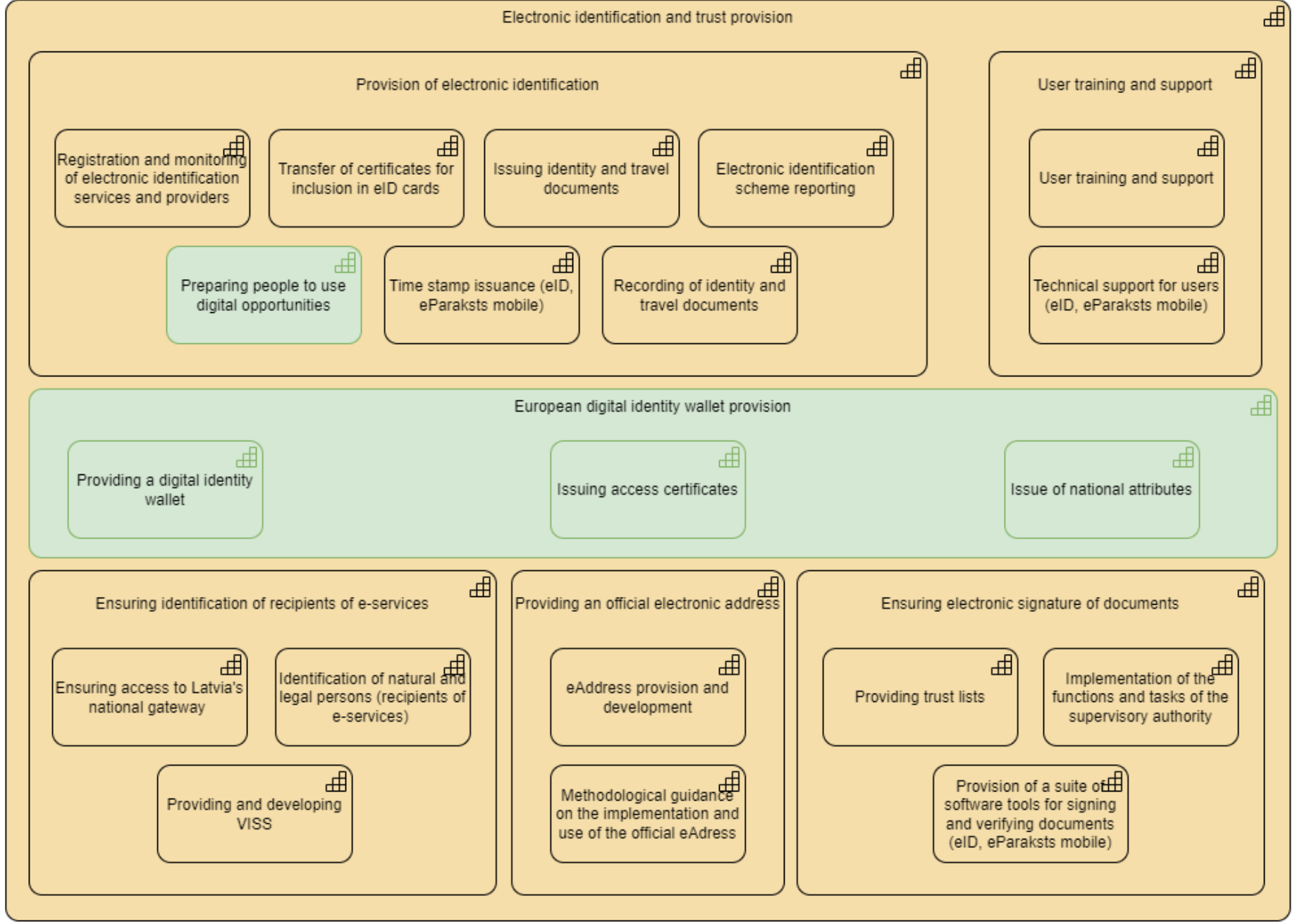
Trust and Electronic Identification Domain: Target Functions



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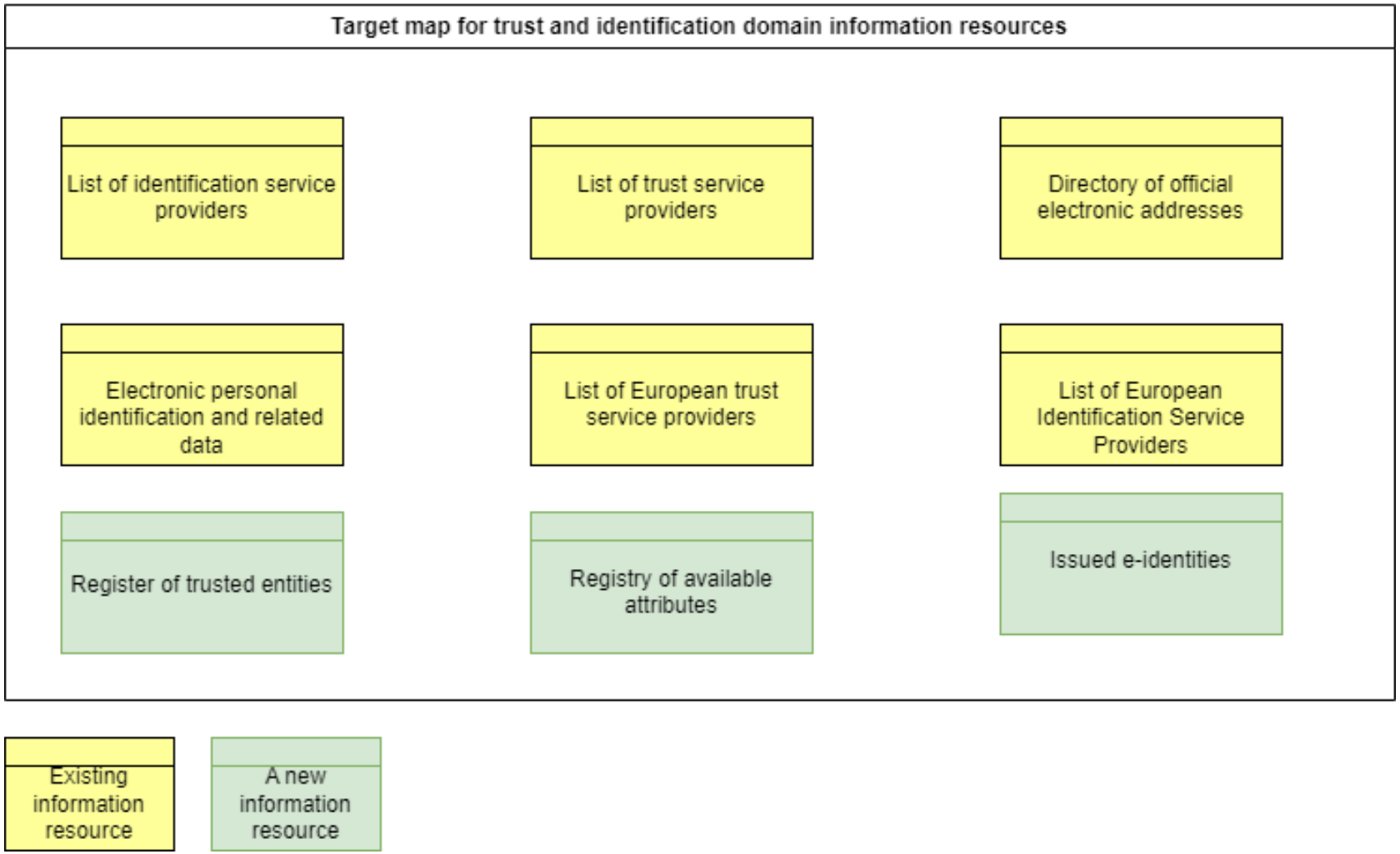
Trust and Electronic Identification Domain: Target Information Resources



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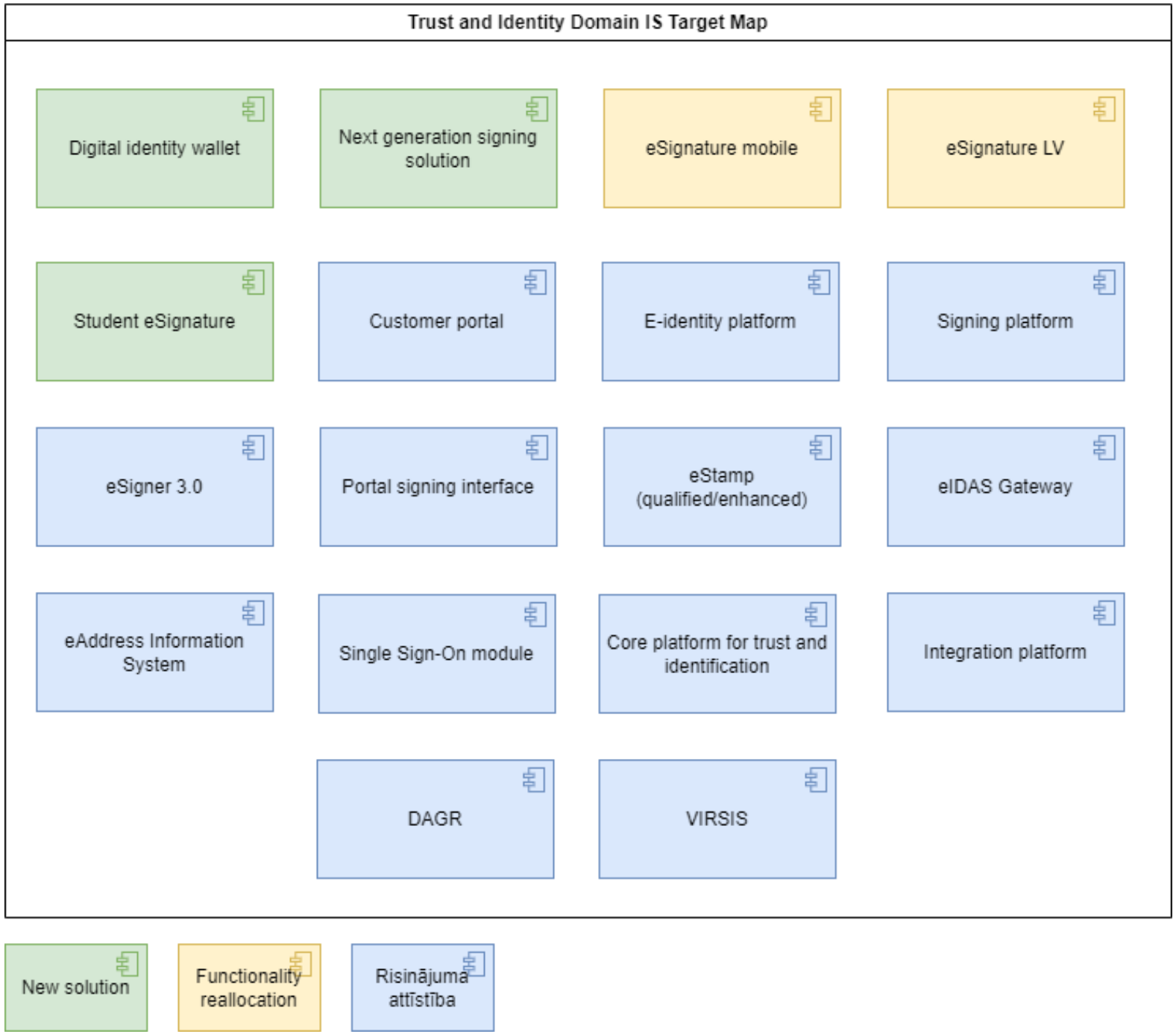
Trust and Electronic Identification Domain: Target Information Systems



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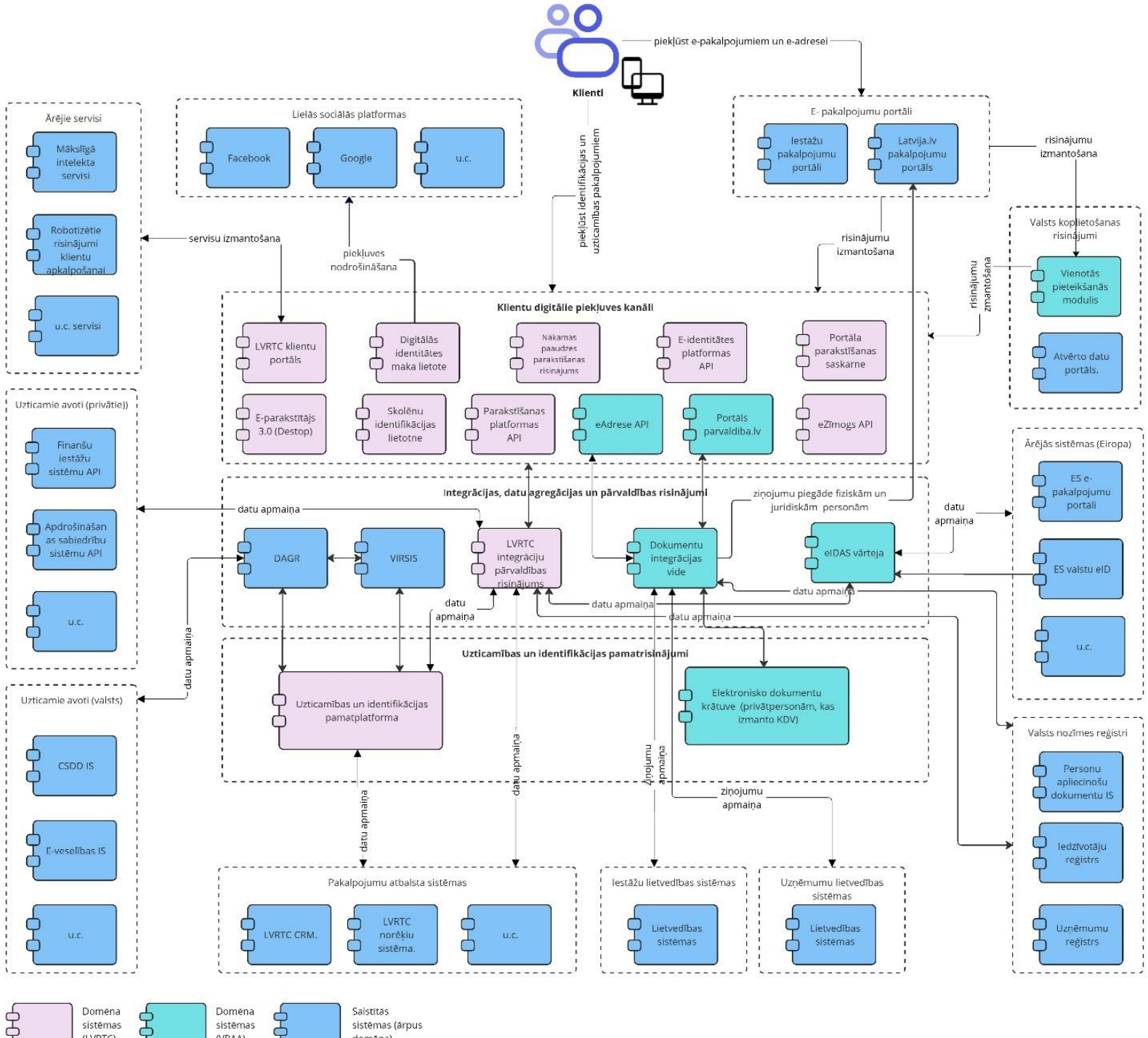
Trust and Electronic Identification Domain: Target Information System Collobaration



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Trust and Electronic Identification Domain: Target Architecture Implementation Roadmap (a fragment)

Nr.	Project/ initiative	Description	Deadline	Priority	Prerequisites	Responsible, partners
1.	**Creating a European Digital Identity Framework**					
1.1.	Changes to the Law on Electronic Identification of Natural Persons and related Cabinet Regulations	Changes in Latvian legislation resulting from eIDAS Regulation 2.0 (see Table 4).	01.01.2026	High	Implementing acts for eIDAS Regulation 2.0 adopted	VARAM in collaboration with IeM, SM, AiM
1.2.	Changes to the Official Electronic Address Law and related Cabinet Regulations	Changes to the Official Electronic Address Law and related Cabinet Regulations to introduce a mobile experience for e-addresses.	01.01.2026	High	-	VARAM in collaboration in SM, VDAA, LVRTC
1.3.	Providing a European digital identity wallet solution	Strengthening and delegating the role of the European Digital Identity Wallet. Establishment of the Single Digital Identity Service. New functions require definition of tasks, related processes and procedures, and the necessary resources (financial, human, competences).	01.01.2026	High	A national regulatory framework is in place (Action 1.1)	VARAM, LVRTC, VDAA in collaboration with PMLP, other ministries

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