

# The benefits of generic eSociety infrastructure for eHealth

Madis Tiik

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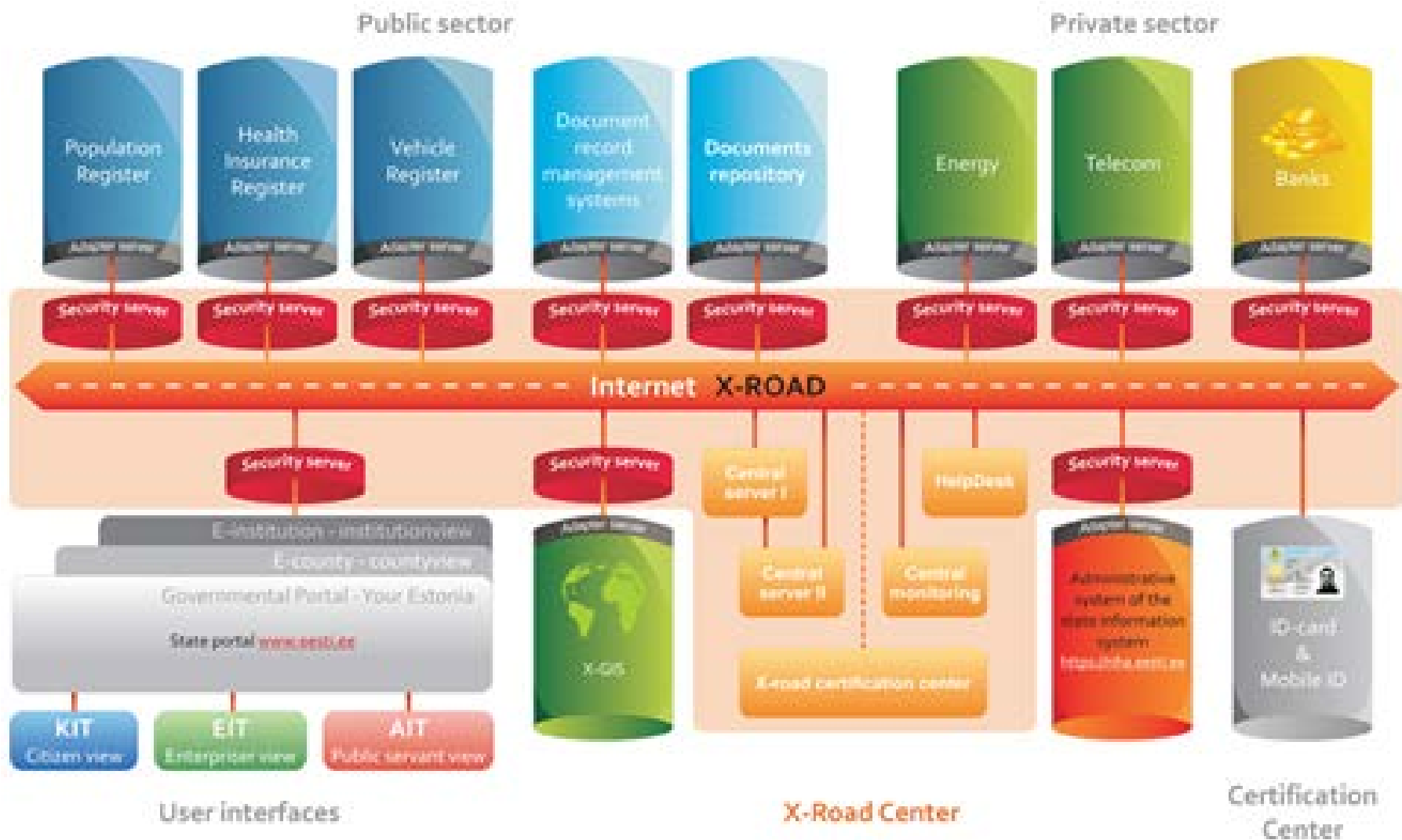
# Common Challenges



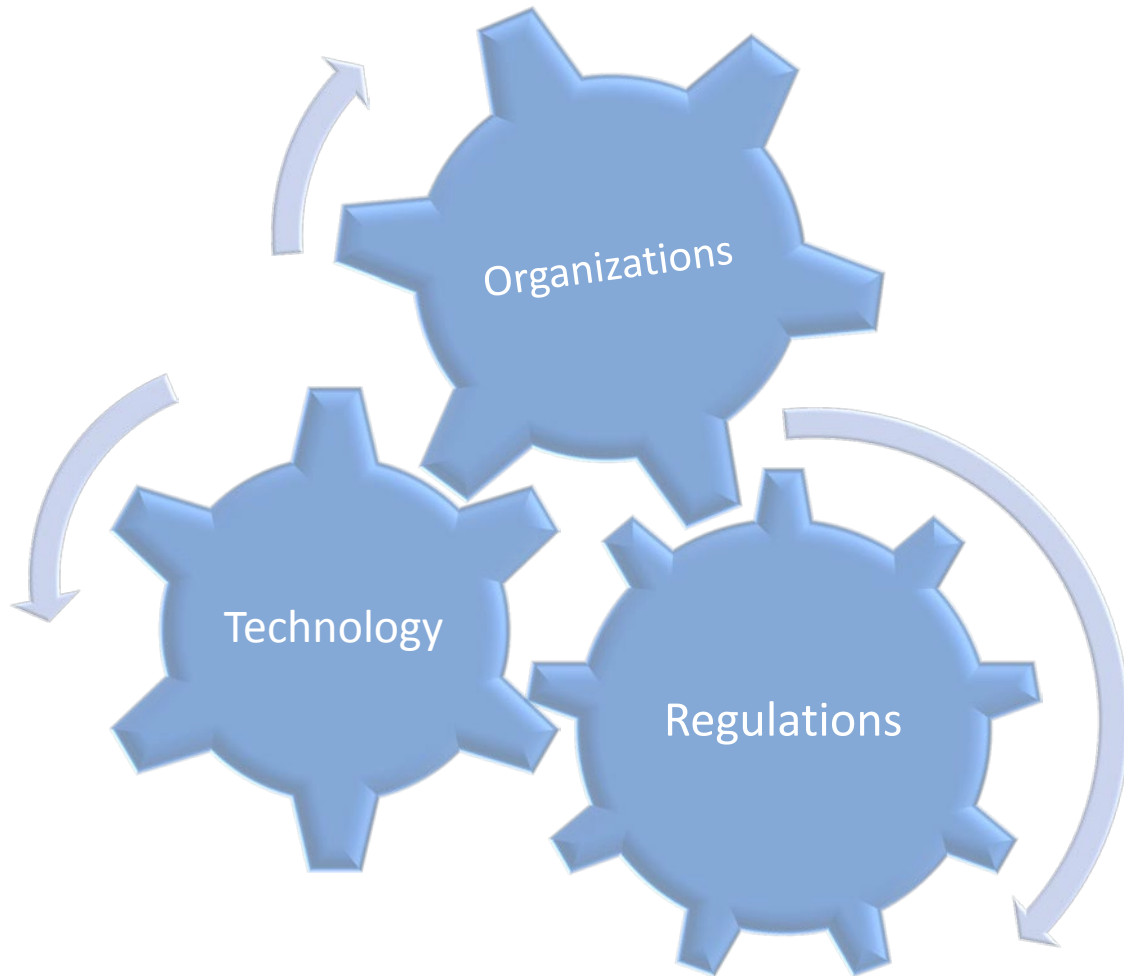
• **Authentication and authorization** of people in digital environment + **digital signature – eID**



• **Secure/standardized** identification and **data exchange** of information systems – **X-Road**



# X-Road is not only technology



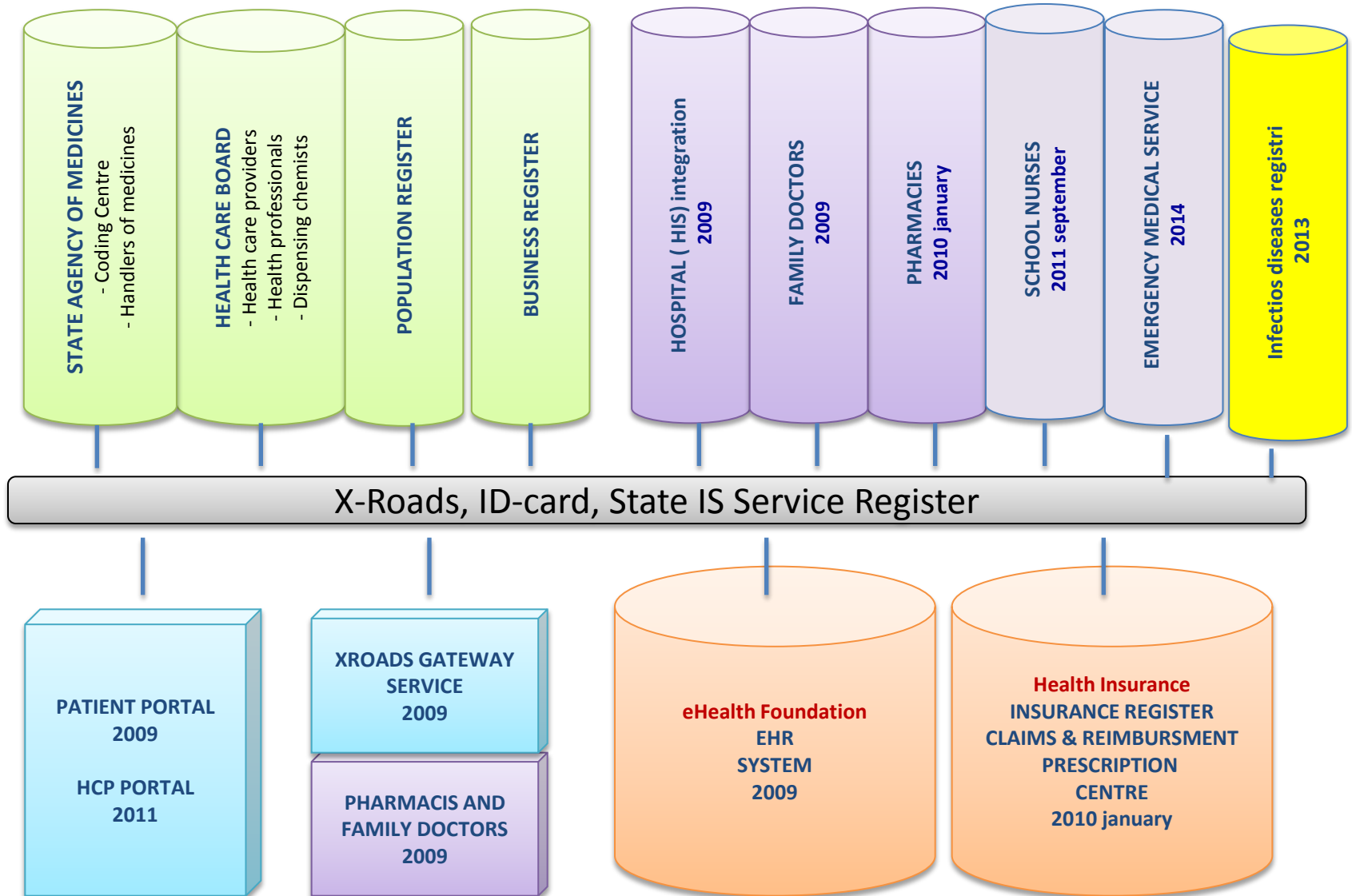
# Today's Situation in Estonia

- X-Road launched in Estonia in **2002**
- More than **170 databases** are offering services via X-Road (producer certificates)
- More than **3000 services** are available
- More than **900 organisations** are using X-Road daily (consumer certificates)
- More than **50% of citizens** are using X-Road via Citizen portal
- **Most of companies (~160 000)** are used X-Road via Entrepreneur portal

# Benefit from the consumer's point of view:

- Use data from different databases (in a secure and standardized way)
- Integrate services to business model or information system
- Create complex services (many databases in one infrastructure)
- Avoid dependence on technological platform of the service providers
- Have one interface for using different services
- Use an existing security solution (encryption, digital signature, timestamp, ...)
- Use an existing logging system
- Use an existing local monitoring
- Use an existing MISP portal solution
- Avoid collecting data that is already collected by someone else
- Scale the solution
- There is no license fee
- Cost –effective
- Fast

# Architecture of Estonian healthcare IT



**Thank you!**  
***Madis Tiik***

**[madis.tiik@eesti.ee](mailto:madis.tiik@eesti.ee)**

**THANK YOU !**