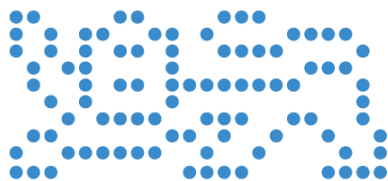




Community of European Semantic Asset Repositories (CESAR)
Workshop **Share experiences with setting up and maintaining
semantic asset repositories**
March 7, 2012, Brussels

RIHA: The Estonian Metadata Repository

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Estonian
Information System's
Authority

What is RIHA?

Who runs RIHA?

What are goals of RIHA?

Who uses RIHA?

What data does RIHA hold?

How do we get this data?

How can RIHA data be used?

What RIHA is not?

What is RIHA workplan for 2012?

How does RIHA relate to EU metadata federation?

What is RIHA? RIHA is the catalogue of Estonian public sector information system.

RIHA serves as the national registry of systems, components, services, data models, semantic assets, etc.

RIHA facilitates information system planning and operations activities.



RIIGI INFOSÜSTEEM

- Asutused
 - > Asutuse otsing
- Infosüsteemid
- Teenused
- Klassifikaatorid
- Andmevahetid

Asutus: Justiitsministeerium

Nimi: Justiitsministeerium | Staatus: Registreeritud
<https://riha.eesti.ee/riha/main/asu/justiitsministeerium>

- ▶ Üldandmed
- ▶ Kontaktisikud
- ▶ Infosüsteemid
- ▶ Hallatavad

Who runs RIHA? Policy maker: Ministry of Economics and Communication; Operator: Estonian Information System's Authority.

What are goals of RIHA?

- Optimal, balanced, efficient public sector IT
- Legal & transparent information management
- Life-cycle management of information systems
- Interoperability support
- Reuse of data.

BUDGET

- *Operation: ca € 200,000 per year*
- *Development: ca € 200,000 per year*

Who uses RIHA?

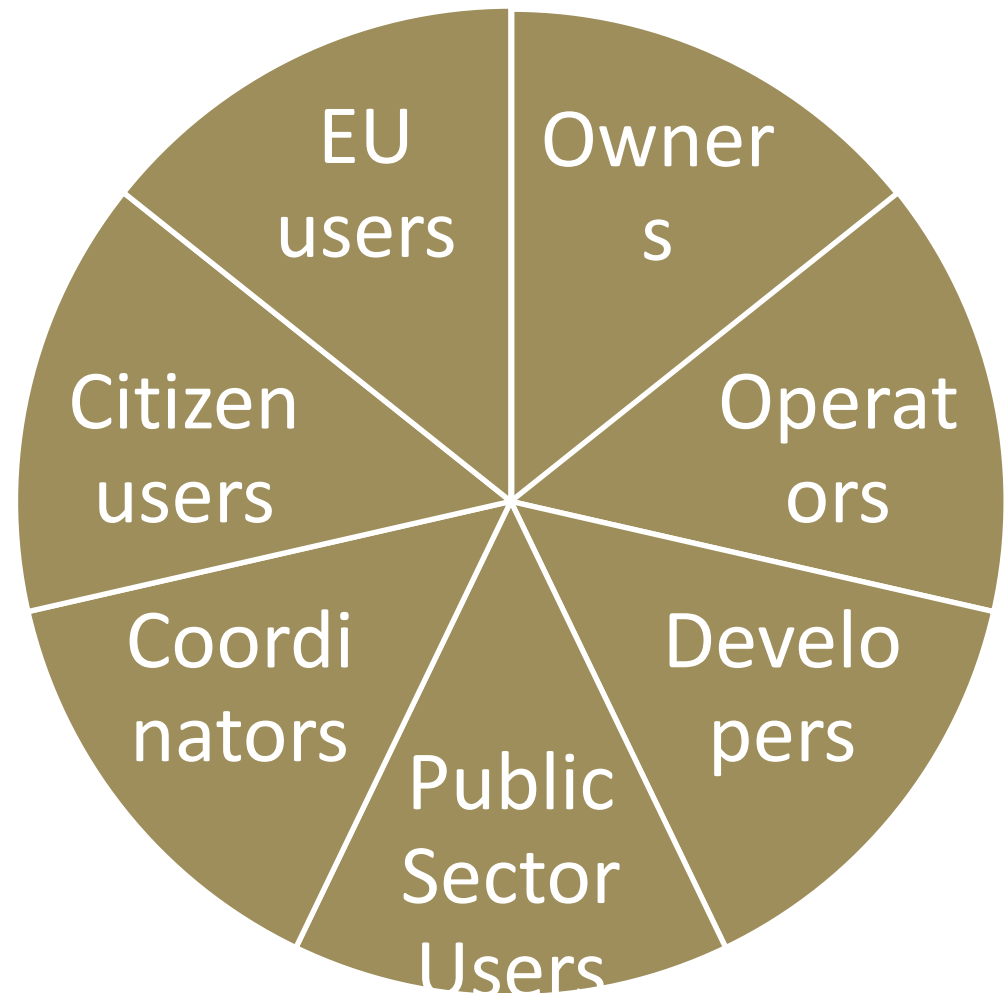
750 public sector
institutions

170 owners of
information
systems

4-5 centralised
state IT agencies

IT contractors

etc..



What data does RIHA hold?

500-600 information system descriptions

2500 service descriptions

40,000 data objects

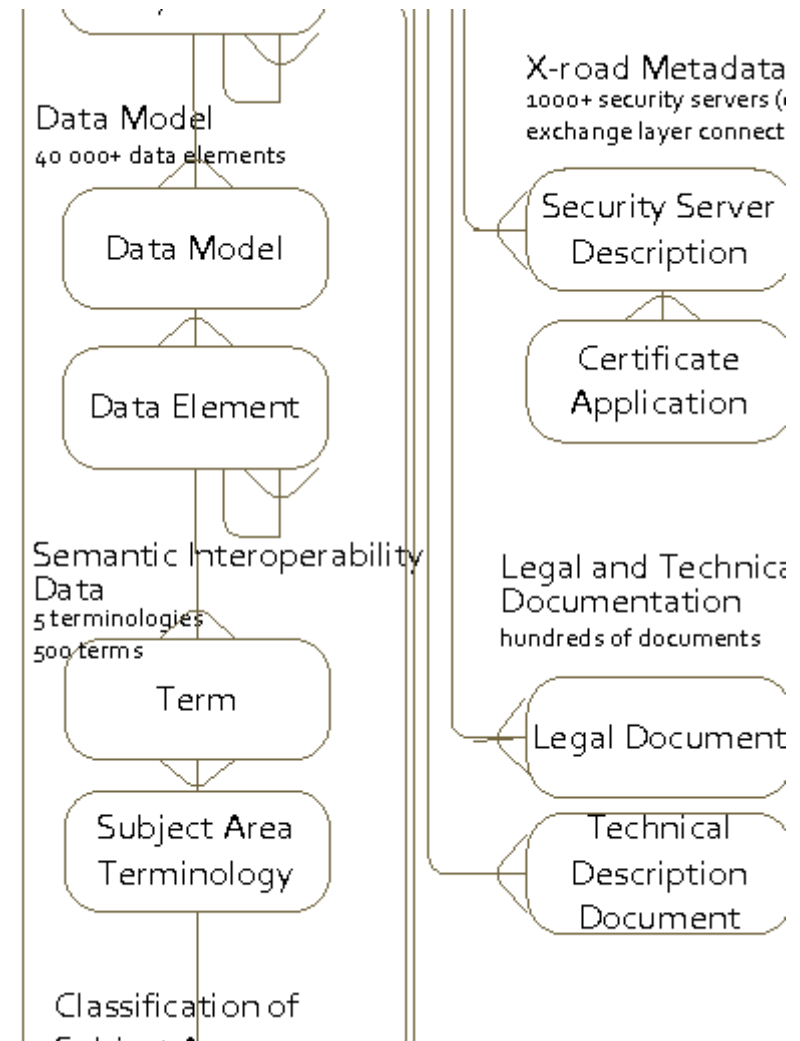
650 code lists

~10 ontologies

a few XML schemas

750 organisational entities

1400 contact persons



How do we get this data?

Legal requirement: Production and sharing of metadata is required by law. Owners have to document their information systems in RIHA and keep the documentation up to date.

By developing mutual trust and co-operation: extensive, ongoing programme of workshops and informational events (3-5 events per year).

By integrating metadata registry into information systems planning and operation processes.

How can RIHA data be used?

Through human interface: <https://riha.eesti.ee>.

By links to objects by their „cool“ URIs.

By downloading files: PDF, XML, CSV, WSDL, OWL, SDMX, XSD.

Machine interface: –

Legal context: Law (Public Information Act) stipulates free access to all RIHA content (except information security detail).

No explicit licensing yet but that will change soon.

- *Both human- and machine-readable formats are important.*
- *Provide formats that users need.*

What RIHA is not?

- Repository of reusable, free software
- Configuration management system
- Project portfolio management system
- Open data portal
- Financial system
- Chat room for IT people.

These functionalities can be added in future (possibly through interfaces to other systems).

RIHA does not aim to be everything. However, all the functions on the list are needed.

Workplan 2012: Strategic themes

I RIHA
database &
application



II Activities
outside the
application

- 1) CATALOGUE Reference and metadata about state information system – attention to data quality
- 2) WORK ENVIRONMENT for various information system planning, development and operation tasks
- 3) DEVELOPMENT – more attention to the dynamic view
- 4) CO-OPERATION between institutions – help improve
- 5) International dimension.

EU metadata repository federation

We see high, as yet to unused potential in making a spectrum of national interoperability and reuse assets accessible to other member states.

- Reuse can occur on several levels. Therefore, the range of potentially interesting objects for federated search is large.
- Federation is not only about building technical interfaces; it must involve human contacts and organisational mechanisms.

Some features of Digitalisér.dk and XRepository were incorporated into recent RIHA design (2010-11).

Vision for future steps

1. Map RIHA data model to ADMS data model.
2. Articulate technical plan for interface.
 - Manual or automated transfer? Push or pull?
3. Plan annotation of select RIHA content using ADMS.
 - What assets? Manual automated annotation? Licences? Involvement of asset owners? Etc.
4. Pilot interface (possibly manual).
5. Automate interface.



Thank You!