

Waste management system for waste and decommissioning projects

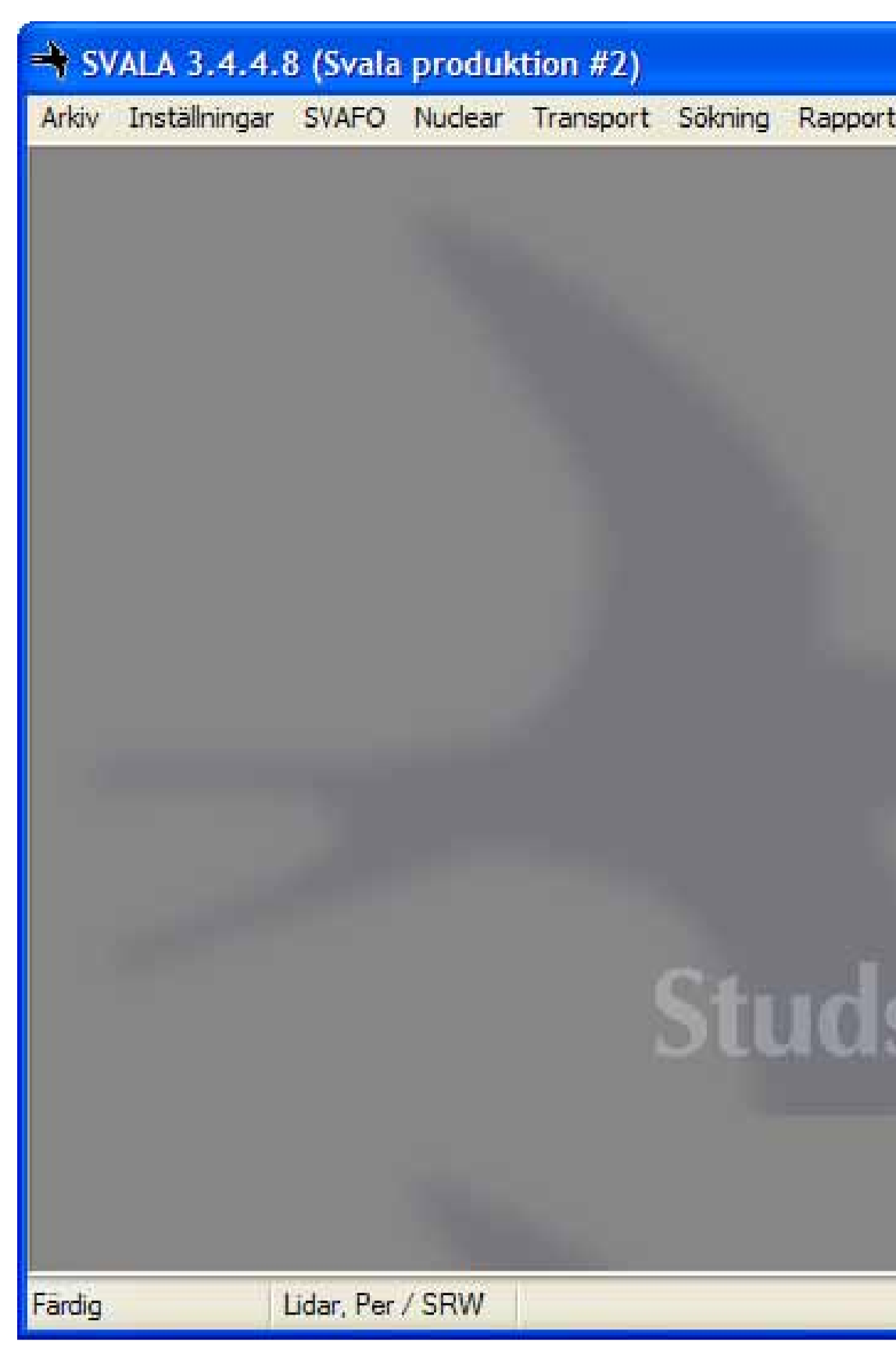
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Objective

- SVAFO needed a new database system replacing old system
- Studsvik Nuclear was invited to participate
- Synergy effects expected
- Also need for replacing old system

Use

- Development of SVALA during 2005
- SVALA used at Studsvik since March 2006
- SVAFO, Studsvik Nuclear, the R2 reactor and Ranstad



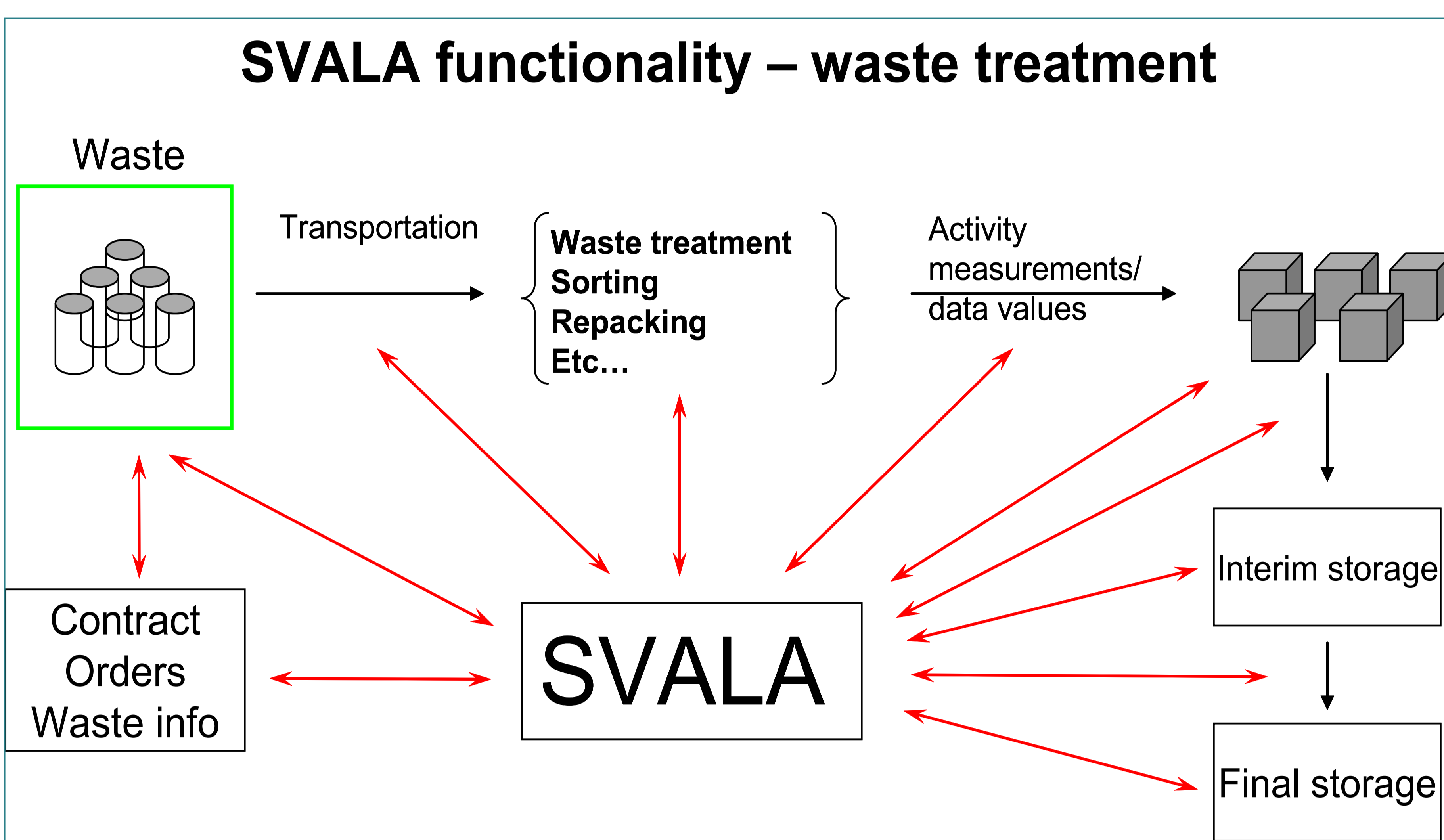
General overview

SVALA is a complete database for waste management

- Data base with waste information
- Waste treatment, waste conditioning
- Integration of measured results
- Transports – internal and external
- Graphical presentation of waste storage
- Reports (activity, production, and others)
- And much more

SVALA includes a detailed framework of rules

- Limitation applied on
 - Access to database information
 - The right of changing information
 - What waste each facility can treat
 - Where waste can be stored or moved to
 - How waste can be treated, handled, and packed
 - Safeguard material
 - Free-releasable material
 - Ownership of material



SVALA – platform etc.

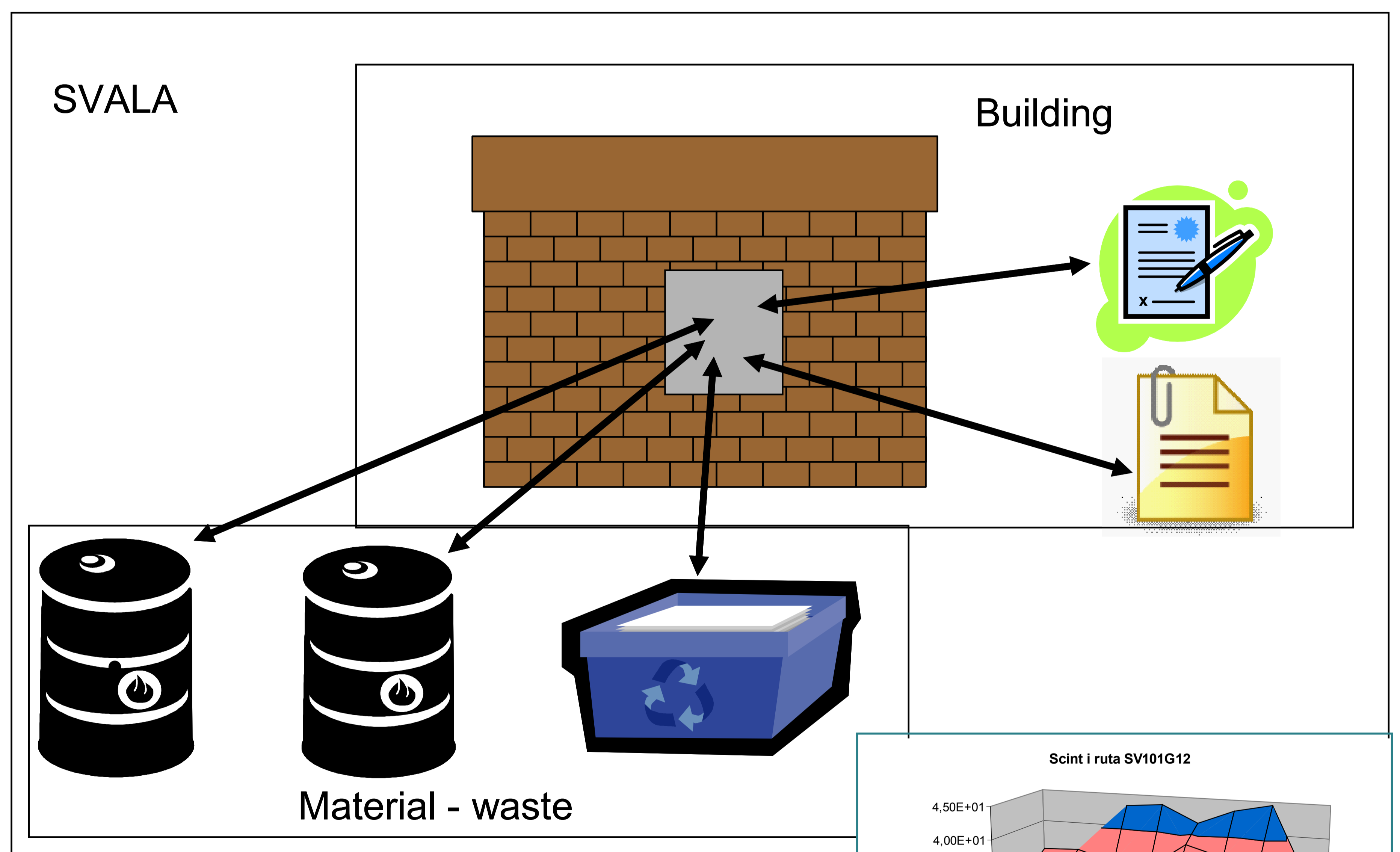
- Oracle servers
 - Placed at 4A Consulting in Östhammar
 - Two servers in parallel
 - Crystal Report, Dot Net framework
 - Only online registration
- Client software
- Testing system separate
- Mantis bug tracking system

SVALA for decommissioning

- Extension of database during 2009
- Close link between radiological surveys, decommissioning and waste
- Applied on the Ranstad site and prepared for the R2 project
- 250 000 results from the Ranstad radiological survey of radioactive contamination

SVALA of today

- Proven for daily use
- Enhancements ongoing
- Excellent data traceability



Key issues for the future

- Overall data quality
- Who made what measurements when and where
- Automatically find typing errors and not allowed data combinations
- Structured bug fixing and release handling
- Integration of physical transports with database updates

