



# **Standardization Workshop**

## **Introduction**

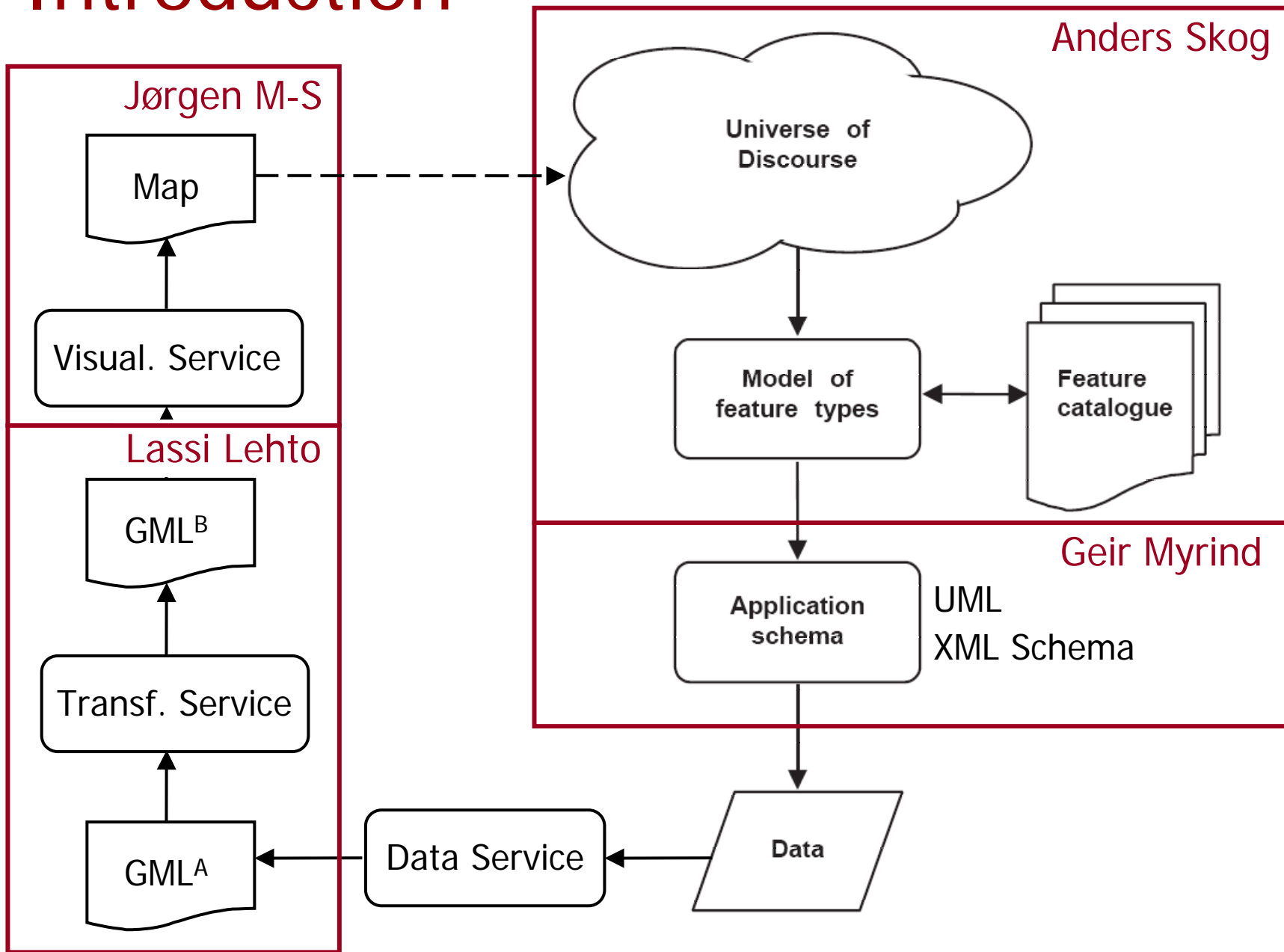
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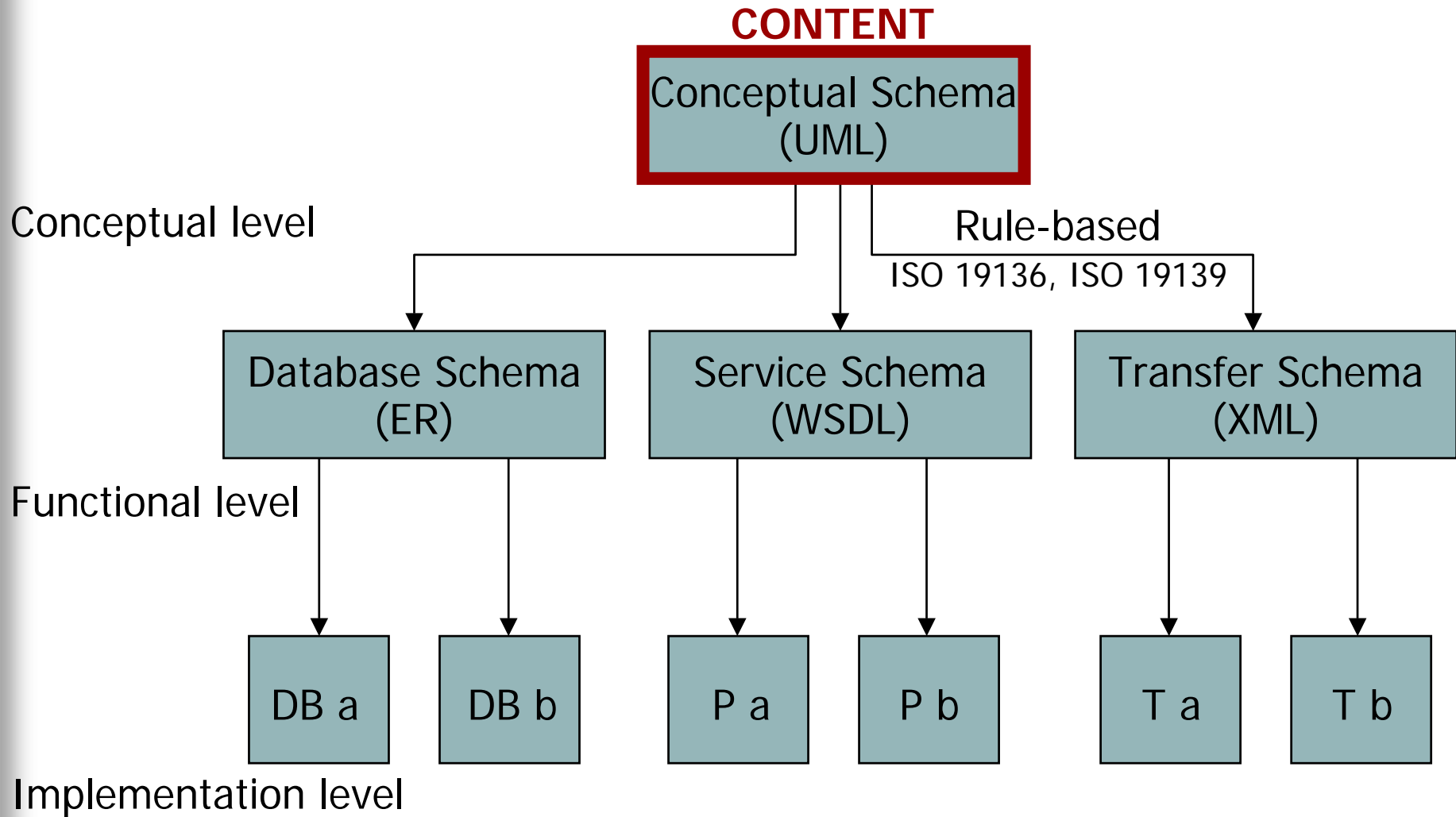
# Agenda

- Introduction
- Motivation
  - Model Driven Architecture
  - Data interoperability
- Relevant ISO Standards
- Terminology, acronyms
- Use Case: GiMoDig

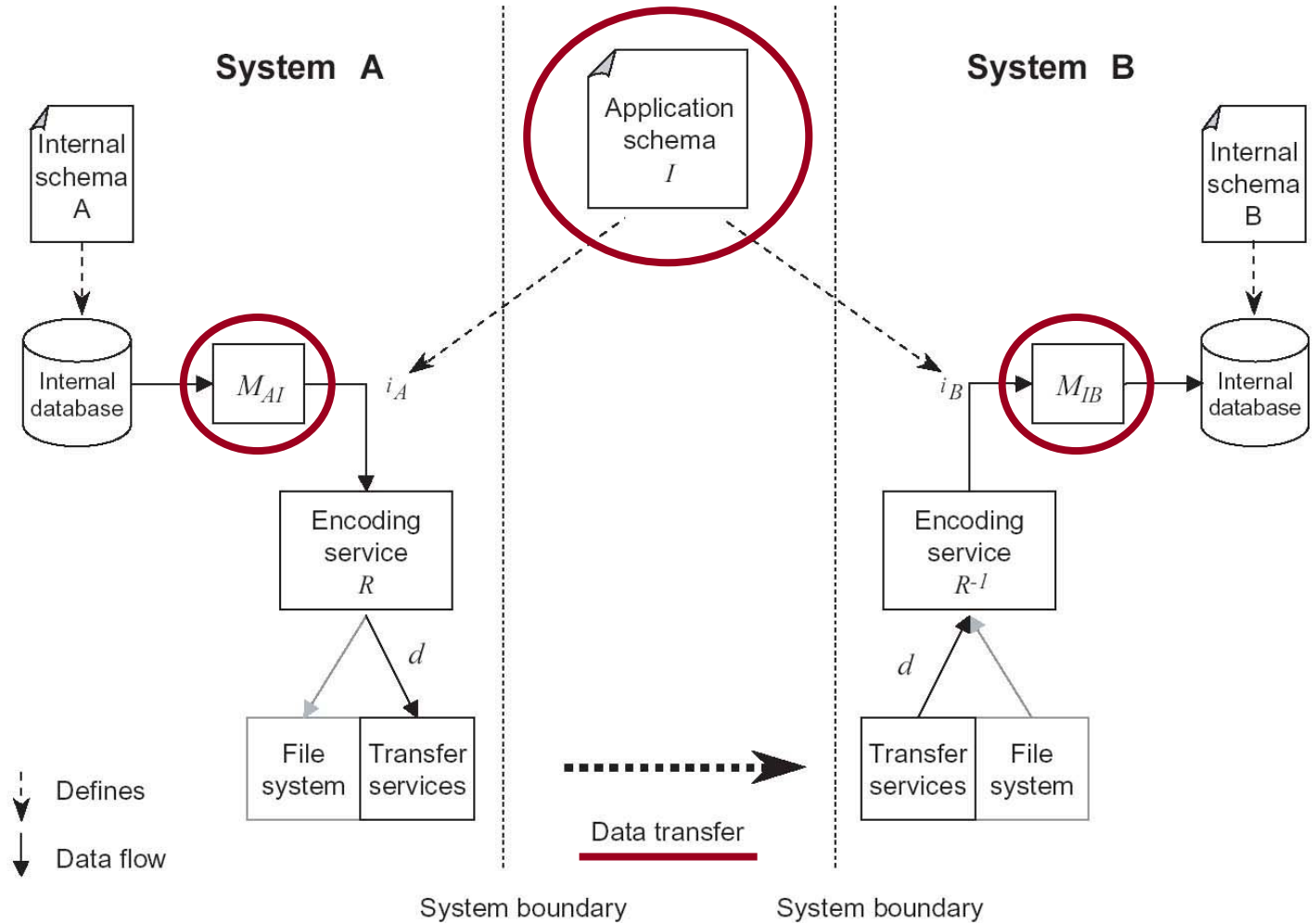
# Introduction



# Model-driven Architecture (MDA)



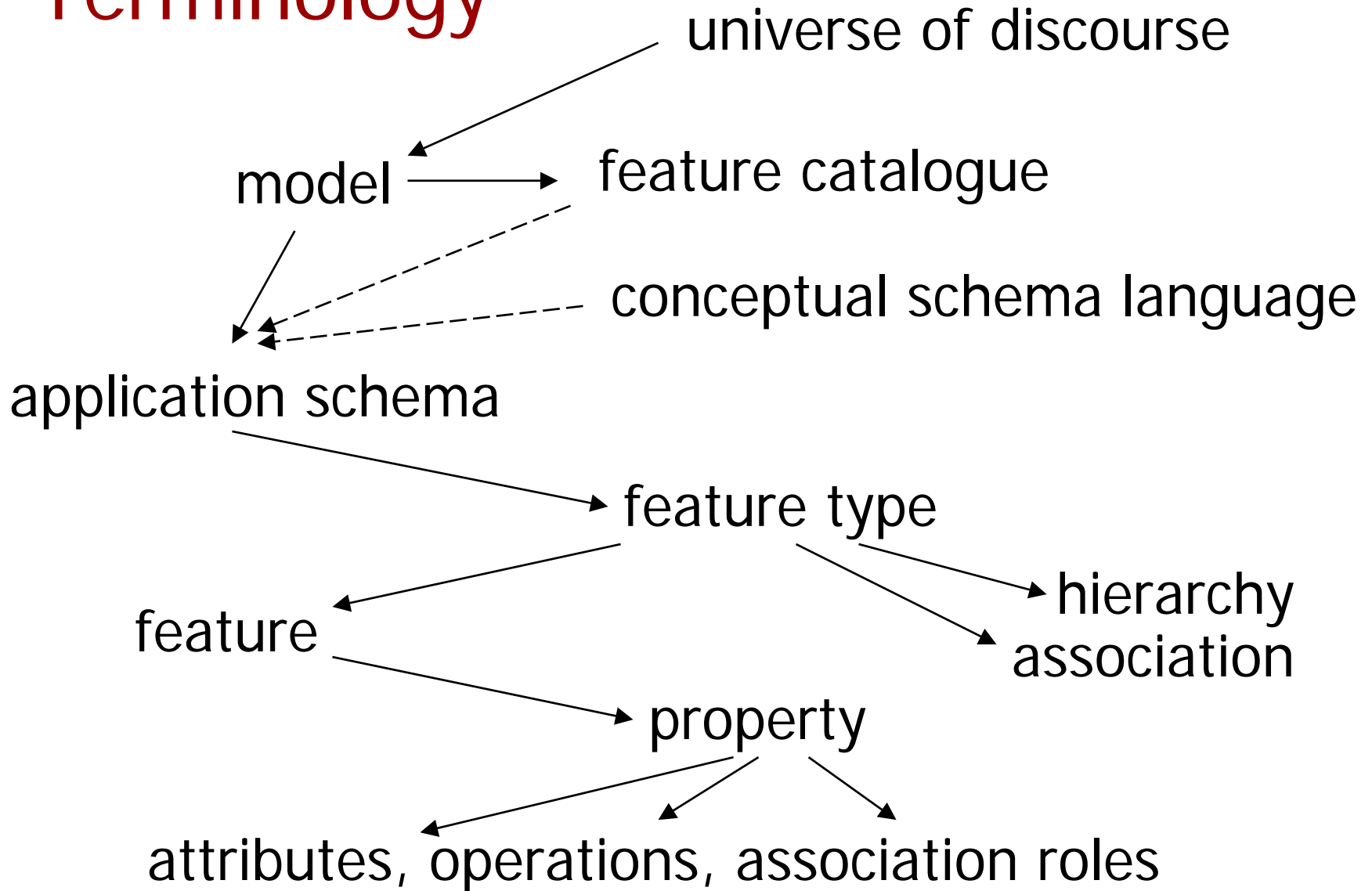
# Data Interoperability



# Relevant ISO Standards

- ISO 19101 Reference Model
- ISO 19103 Conceptual Schema Language
- ISO 19109 Rules for Application Schema
- ISO 19128 Web Map Service
- ISO 19136 Geography Markup Language
- ISO 19142 Web Feature Service
- ISO 19143 Filter Encoding

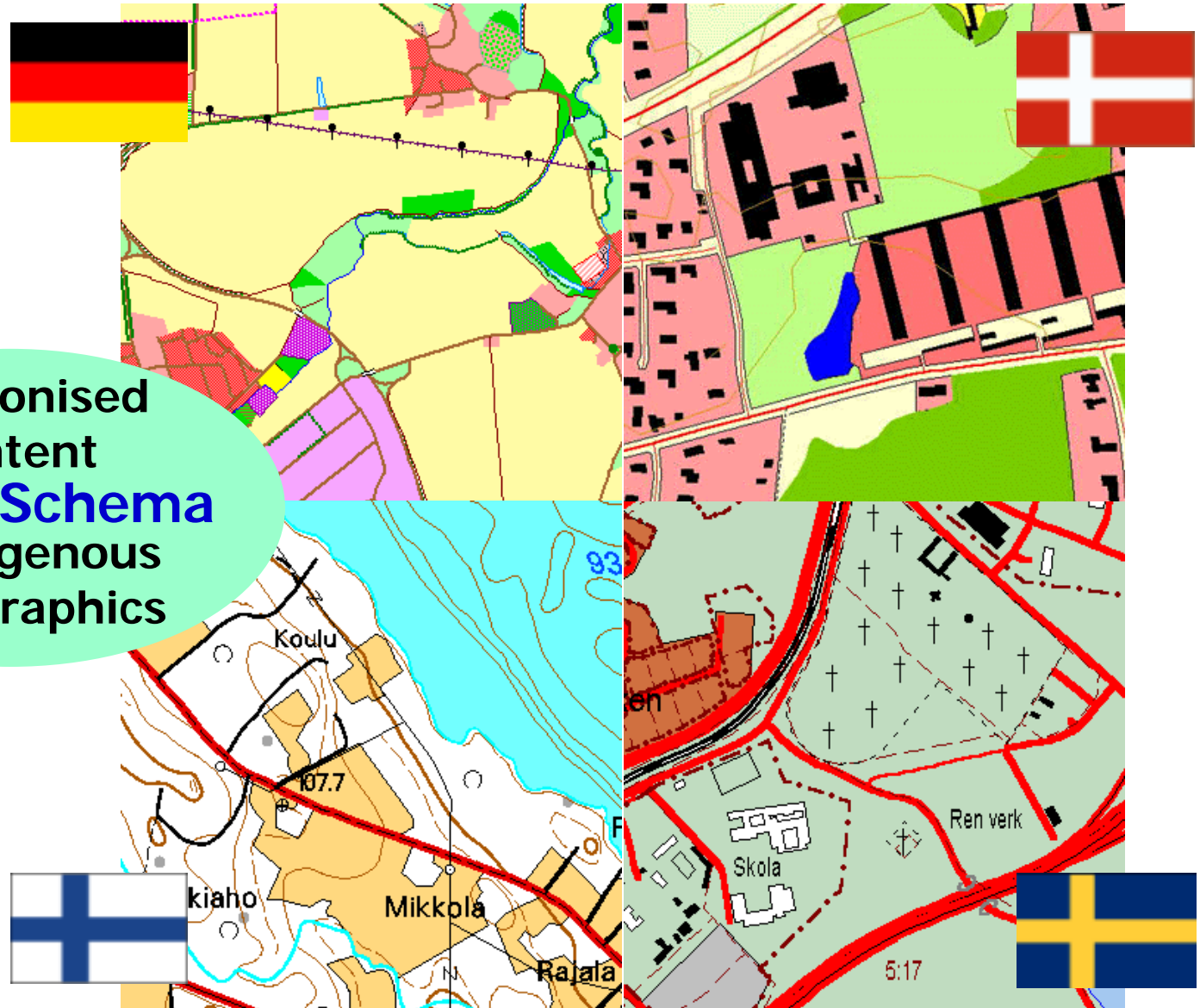
# Terminology



# Acronyms

- UML: Unified Modeling Language
- GFM: Generic Feature Model
- XML: Extensible Markup Language
- XSLT: Extensible Stylesheet Language Transformations
- GML: Geography Markup Language
- WMS: Web Map Service
- WFS: Web Feature Service
- FE: Filter Encoding

# Use Case: GiMoDig



Harmonised  
content  
**Global Schema**  
Homogenous  
Map Graphics

# GiMoDig Service Architecture

