BS8723-5

Data model - XML Schema

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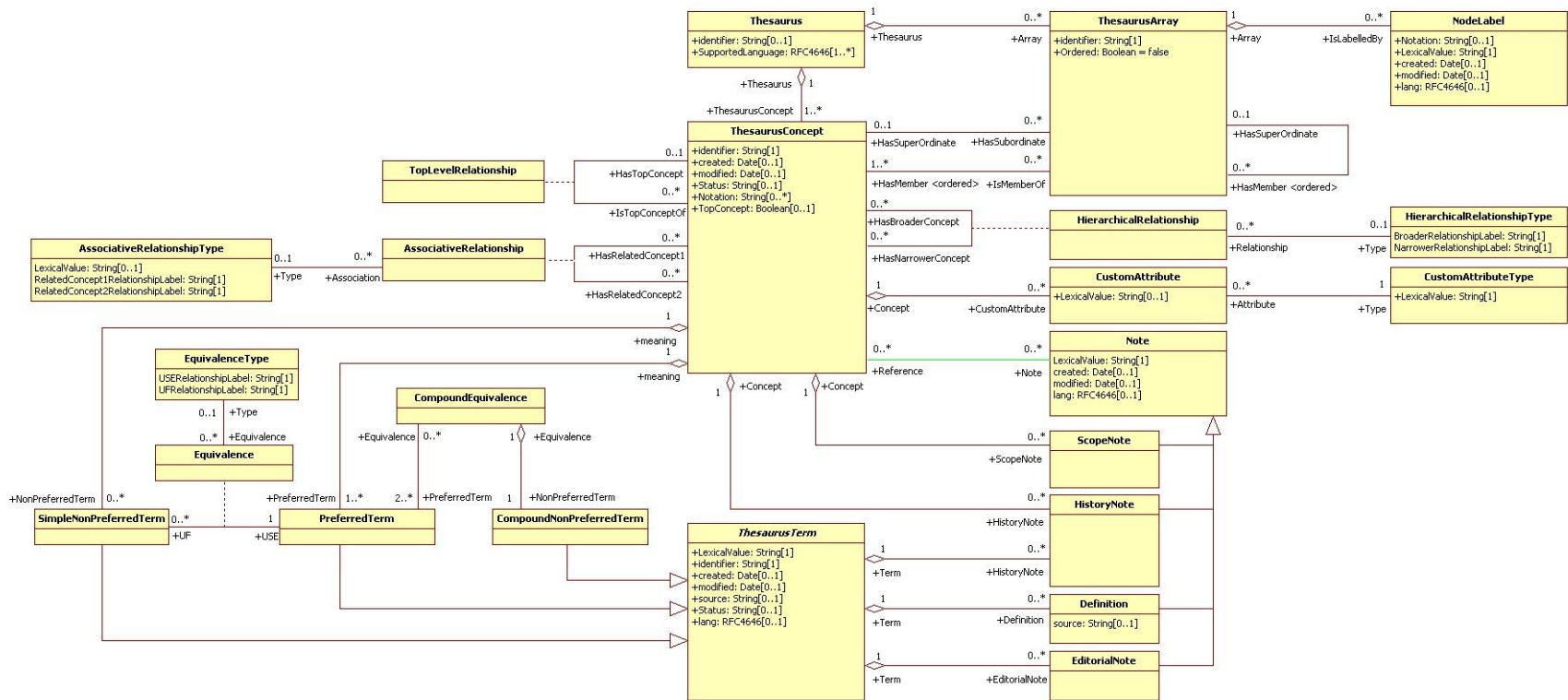- Testing
- Difficulties and uncertainties

Introduction

- Scope
  - Monolingual thesauri (BS8723-2)
  - Multilingual thesauri (BS8723-4 clause 4.2)

- Joined effort of the BS8723-5 working group
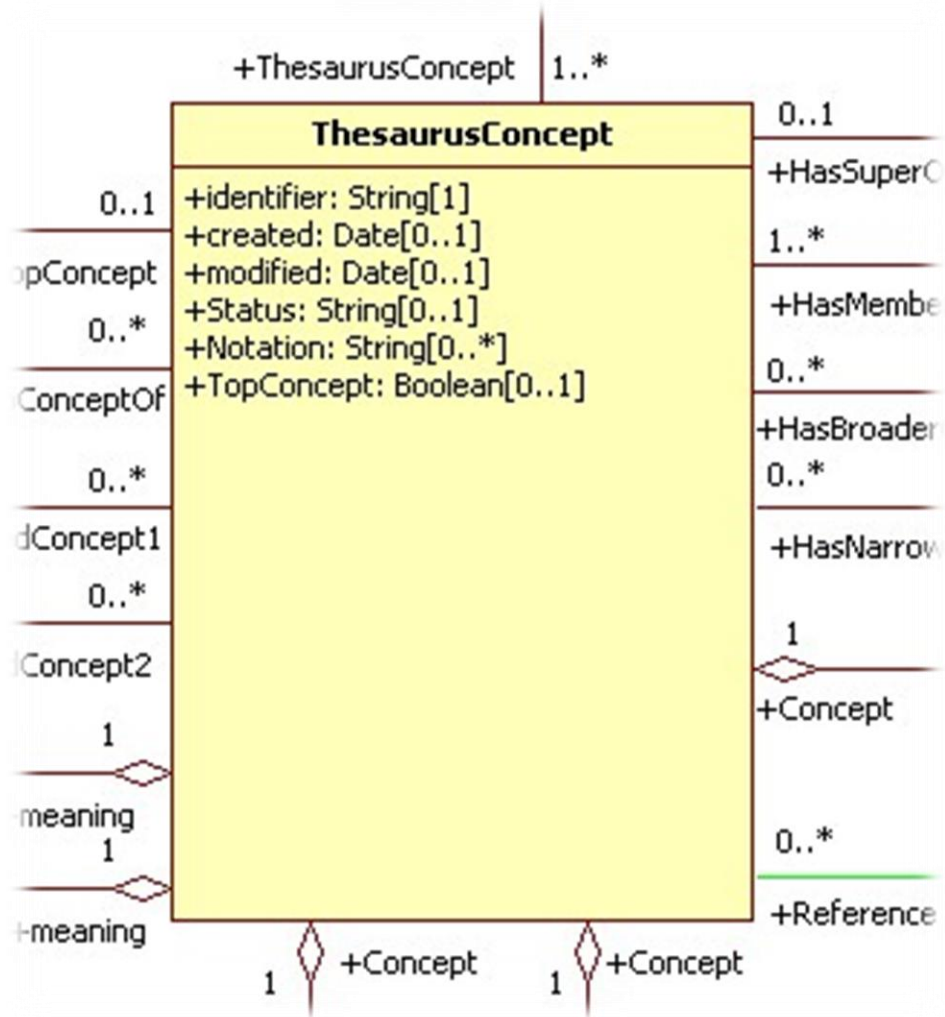 1. Define a model
  2. Define a format

Model and XML Schema

- Why a model?
  - Ensures that the requirements are understood and anticipated
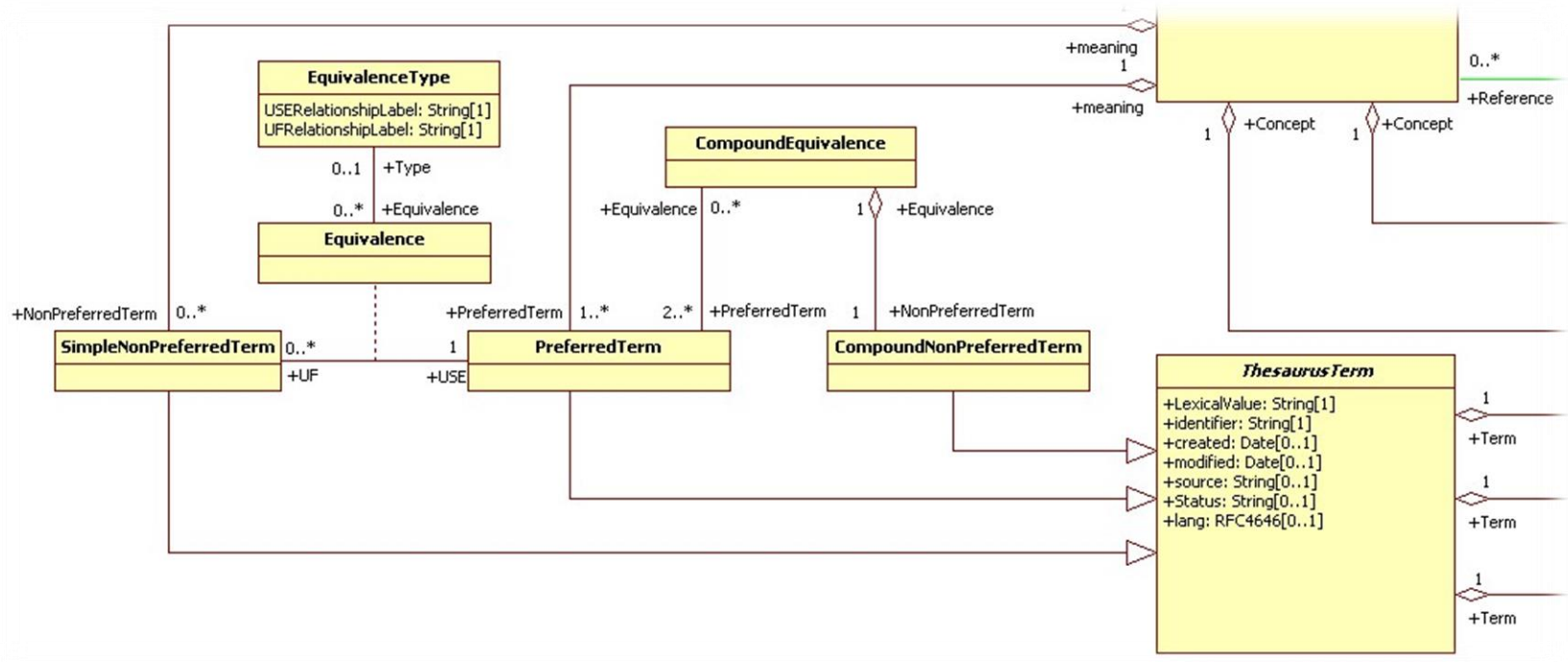 - Anticipates the needs for extensions and other bindings
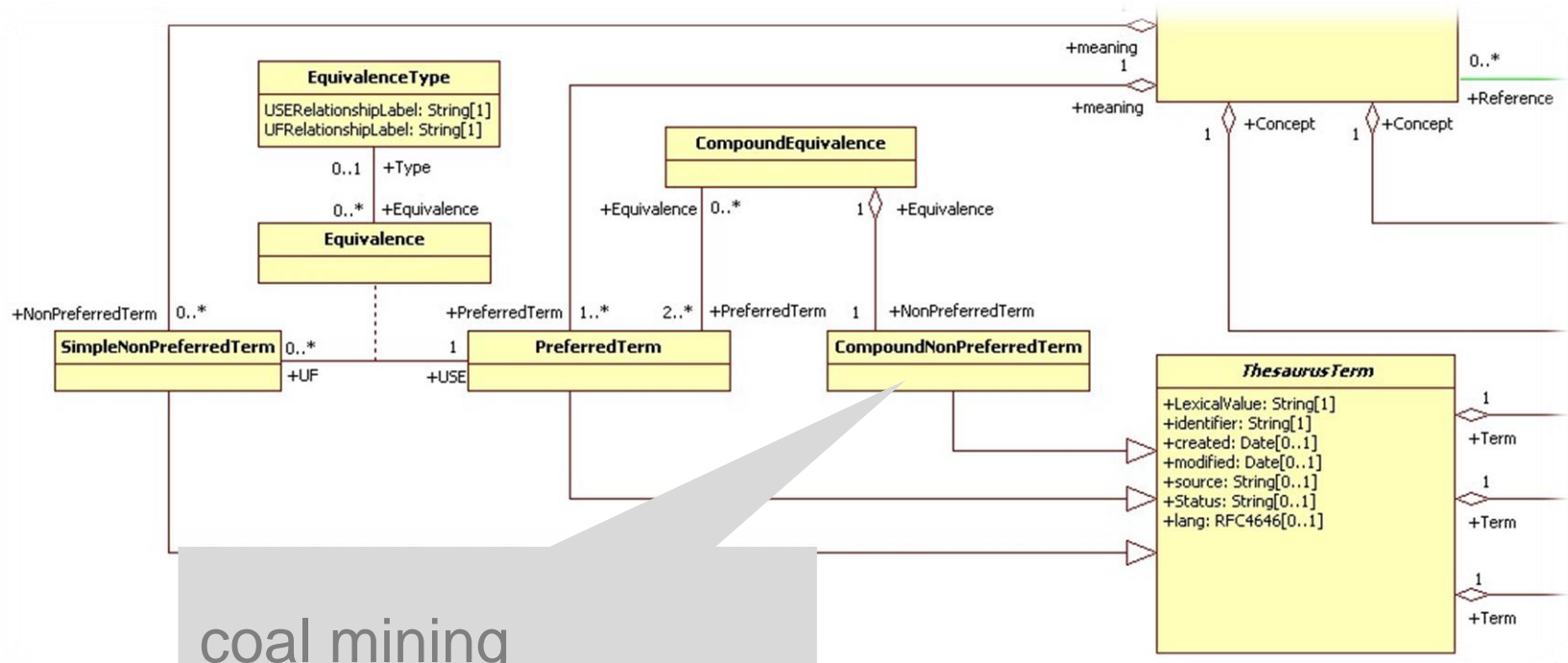
Model and XML Schema

Model and XML Schema

Model and XML Schema

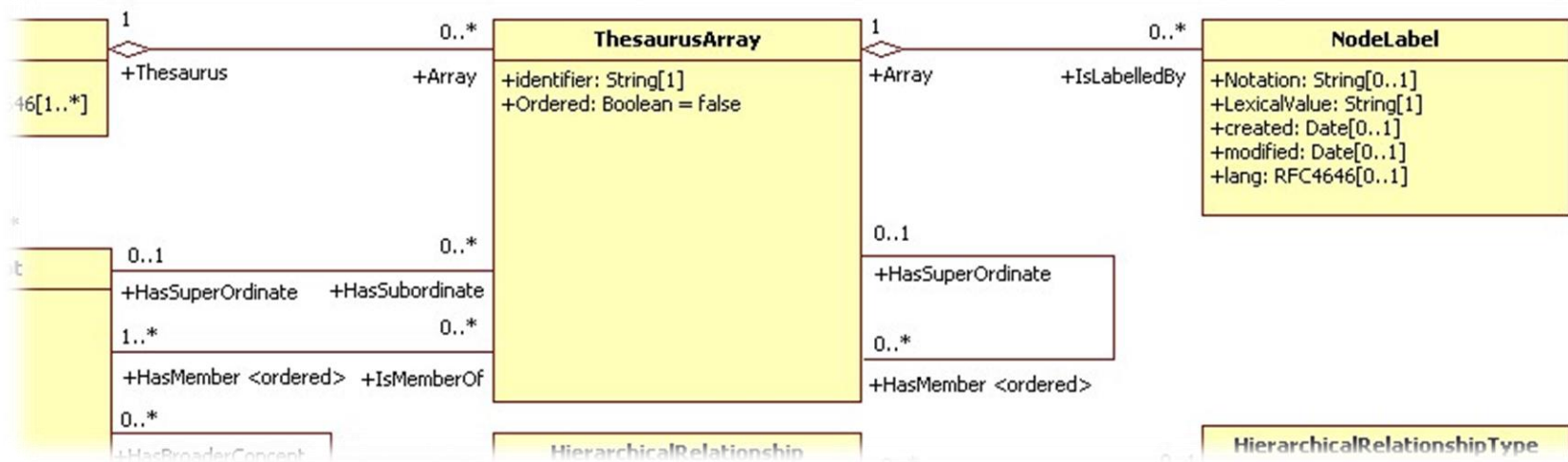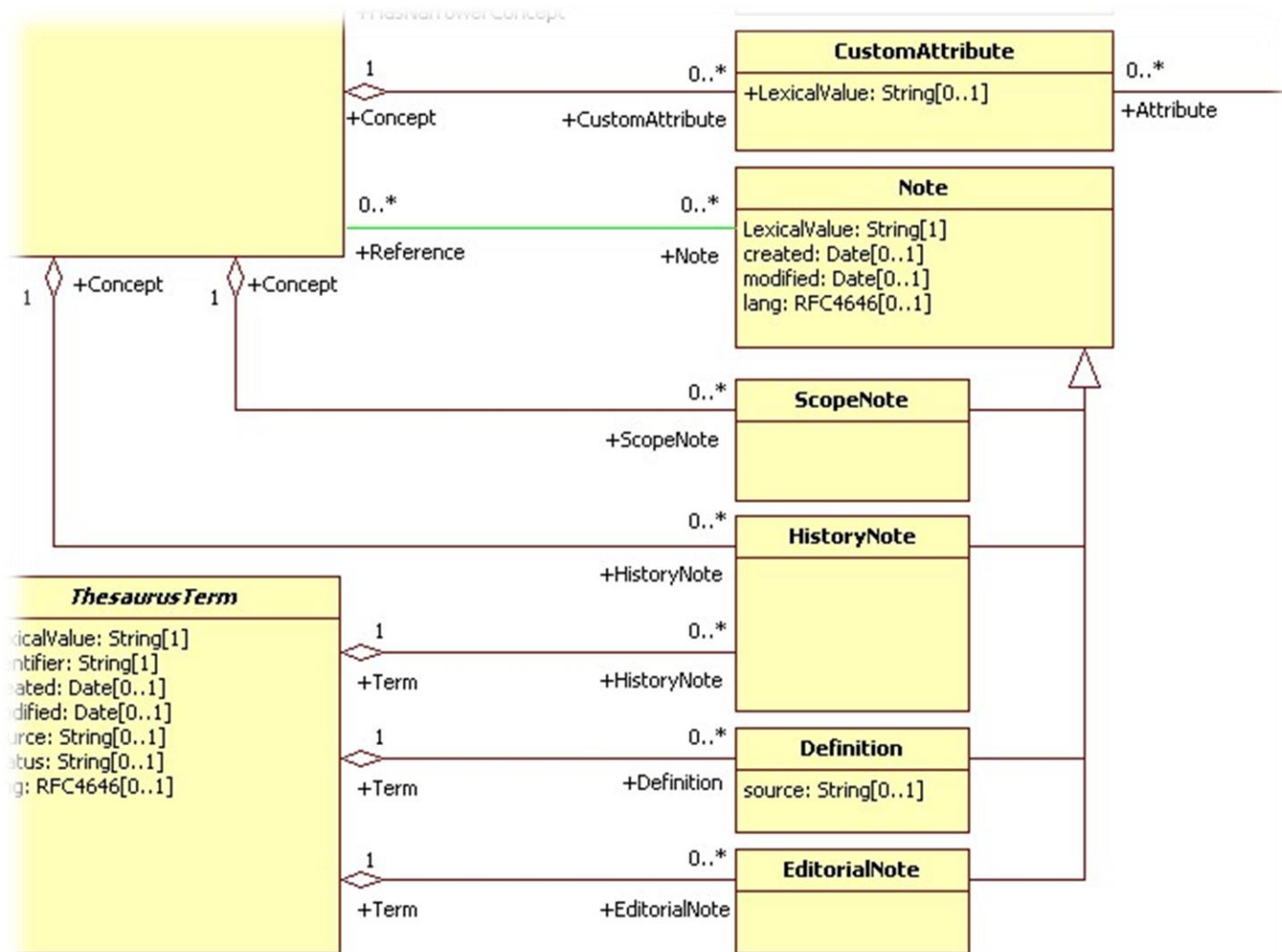# Model and XML Schema

Model and XML Schema

Model and XML Schema

Testing

- Automatic generation of
  - Alphabetical display
  - Hierarchical display
  - Classified display
- Zthes → BS8723-5
- BS8723-5 → Zthes
- SKOS → BS8723-5
- BS8723-5 → SKOS

Testing

- Automatic generation of
    - Alphabetical display
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- BS8723-5 → Zthes
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- BS8723-5 → SKOS

cow milk
    BT: milk
milk
    BT: dairy products
    NT: buffalo milk
        cow milk

Testing

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- BS8723-5 → Zthes
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milk
.   <milk by source animal>
. .   buffalo milk
. .   cow milk
. .   goat milk

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- BS8723-5 → Zthes
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- BS8723-5 → SKOS

agricultural industries
.   <people>
.   .   dairy personnel
.   .   farm managers
.   .   shepherds

Testing

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  - Alphabetical display
  - Hierarchical display
  - Classified display
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- BS8723-5 → Zthes
- SKOS → BS8723-5
- BS8723-5 → SKOS

Difficulties and uncertainties

- Difficulties
  - "Concept based" vs "Term based"
  - Amount of work for testing
- Areas of uncertainty
  - Compound non-preferred terms
  - Custom types of relationships

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Evaluating Zthes as an alternative to the current XML Schema

Difficulties and uncertainties

- Difficulties
  - "Concept based" vs "Term based"
  - Amount of work for testing
- Areas of uncertainty
  - Compound non-preferred terms
  - Custom types of relationships

coal mining
    USE: coal
    +   mining

Resources

Model, XML Schema, Examples, etc. available from
http://schemas.esd.org.uk/BS8723/

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