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Agenda

- Metadata registries
- ISO/IEC-11179-3
- Labour Market Data Element Registry
Types of Registries

- ISO 11179 Registries
- UDDI Registries
- OASIS/ebXML Registries
- CASE Tool Repositories
- Software Component Registries
- Dublin Core Registries
- Ontological Registries

Common Content
Common content in registries

- ISO 11179 Registries
- OASIS/ebXML Registries
- UDDI Registries
- CASE Tool Repositories
- Ontological Registries
- Software Component Registries
- Database Catalogs
- Common Content

- Data Element
- Table Column
- Business Specification
- Attribute
- Term Hierarchy
- Business Object
- XML Tag

Country Name
Ad hoc Metadata Organization
Why ISO/IEC 11179?

Semantics
- Convey meaning
- Conceptual data model of metadata: Metadata model
  - Managing semantics!

Registration: Administered Metadata objects
- Data elements
Semantics

Terms
Lexical expressions
Concepts

context

Functions
ISO/IEC 11179, Parts 1-6

- Part 1: Framework
- Part 2: Classification
- Part 3: Registry metamodel and basic attributes
- Part 4: Formulation of Data Definitions
- Part 5: Naming and Identification Principles
- Part 6: Registration
Why ISO/IEC 11179?

- **Semantics**
  - Convey meaning
  - Conceptual data model of metadata: Metadata model
    - Managing semantics!
- **Registration: Administered Metadata objects**
  - Data elements
Metamodel levels

Conceptual Domain

Data Element Concept (N:1) Conceptual Domain

CONCEPTUAL LEVEL

Data Element (1:N) Value Domain (1:N)

REPRESENTATIONAL LEVEL
Labour Data Element Registry

- Knowledge base for Labour Market Topics
- Improve Data and Metadata Quality
- Improve Labour Market Research
Concept Navigator: concept

LABOUR
Concept Navigator: conceptual domain
Concept Navigator: navigate concepts in a semantic net
Concept Navigator: navigate category systems (e.g. taxonomies) and ontology domains
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{\text{98'}} \to oa001_{\text{98}}

{\text{002'}} \to (10)\text{HASH}
{\text{94'}} \to oa002_{\text{94}}
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{\text{003'}} \to (11)\text{HASH}
{\text{94'}} \to oa003_{\text{94}}
{\text{96'}} \to oa003_{\text{96}}
{\text{98'}} \to oa003_{\text{98}}

\text{('a')} \to (12)\text{HASH}
\text{('label')} \to <h3>Themaa: Achtergrondkenmerken</h3>
\text{('subthema')} \to (13)\text{HASH}
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Relevant links

ISO/IEC TR 20943-1, Procedures for achieving MDR content consistency-Data elements published July, 2003. All of the above are available free at: www.jtc1.org

Thank you!