MANAGEMENT OF GSIM STATISTICAL CLASSIFICATIONS WITH DDI 3.2

In This Talk

- Brief overview of Statistical Classifications
- Brief overview of current Copenhagen Mapping
  - DDI 3.2 and GSIM
- Colectica 5.2 demo
  - Statistical Classification Management
- Classifications in future DDI versions

Tell me about Classifications

Background - Neuchâtel

- In 1999, Neuchâtel group meets to discuss standardization of Statistics Classifications
- In 2002, The Neuchâtel terminology model 2.0 was released (2.0)
  - Updated to version 2.1 in 2004

Background - GSIM

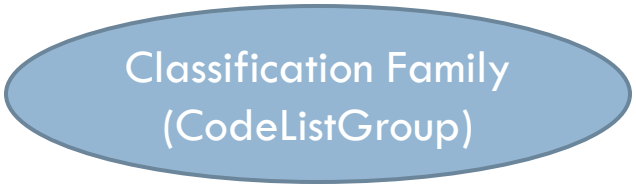
- The GSIM Classification model was drawn from the terminology in the Neuchâtel model
- In 2012, the first GSIM model including classifications was released. Version 1.0.
- In December 2013, a version 1.1 update to GSIM was released
- The Neuchâtel model is now an annex to the GSIM model, and released with it

Background – Copenhagen Mapping

- In December 2013, a workshop was held in Copenhagen
  - A mapping was created between the newly released DDI 3.2 and GSIM 1.1 standards
  - Created Controlled Vocabulary for DDI 3.2
- In 2014, a second workshop was held to expand the mapping
- In December 2015, software to manage Classifications using DDI 3.2 and the mapping was made available

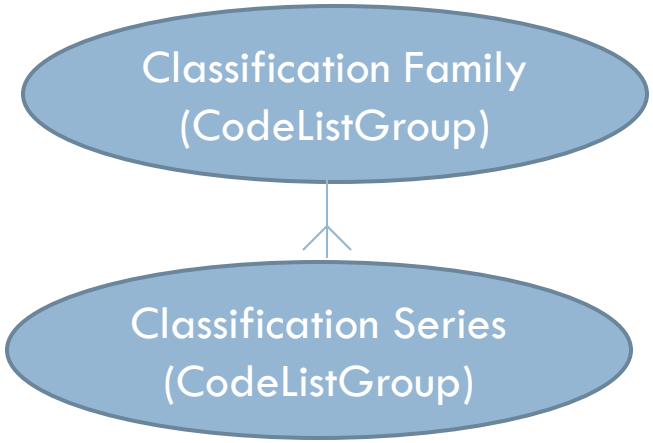
What are Classifications

Classification Family



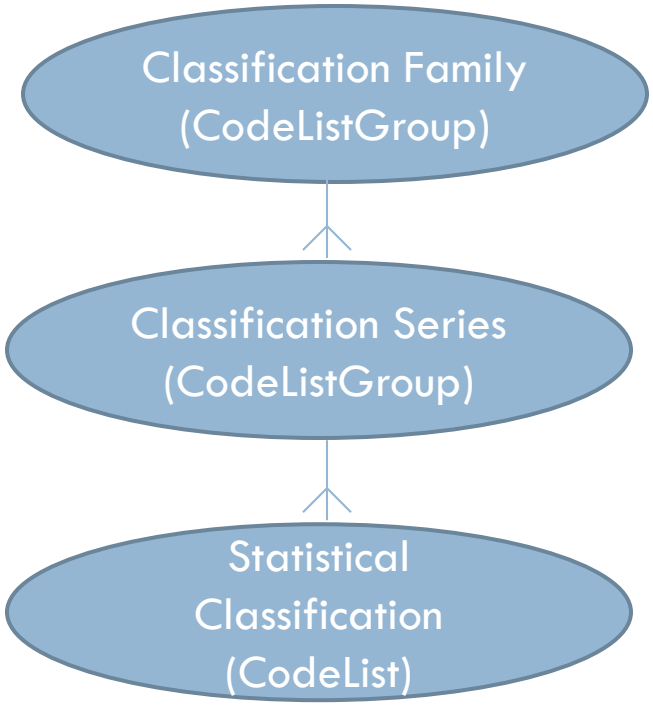
- A topical grouping mechanism for similar Classification Series
- Pairs a list of Classification Series with a common concept, such as economic activity
- Specialized CodeListGroup in DDI 3.2

Classification Series



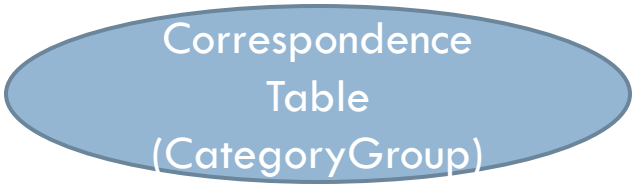
- A group of Classifications that are published in an interval
- ISCO, ISIC, NAICS
- Specialized CodeListGroup in DDI 3.2

Statistical Classification



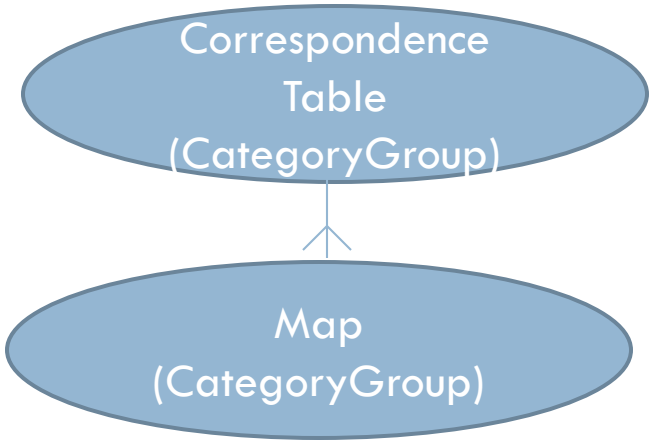
- Composed of Classification Items
  - Categories and Codes
- Has Levels
- Can be hierarchical
- Is a CodeList in DDI 3.2

Correspondence Table



- Document comparisons between Statistical Classifications
- Lists of Maps
- Specialized CategoryGroup in DDI 3.2

Map



- Comparison of a Classification item with another
- Can be 1..1 or 1..many
- Specialized CateogoryGroup in DDI 3.2

Correspondence Table and Map

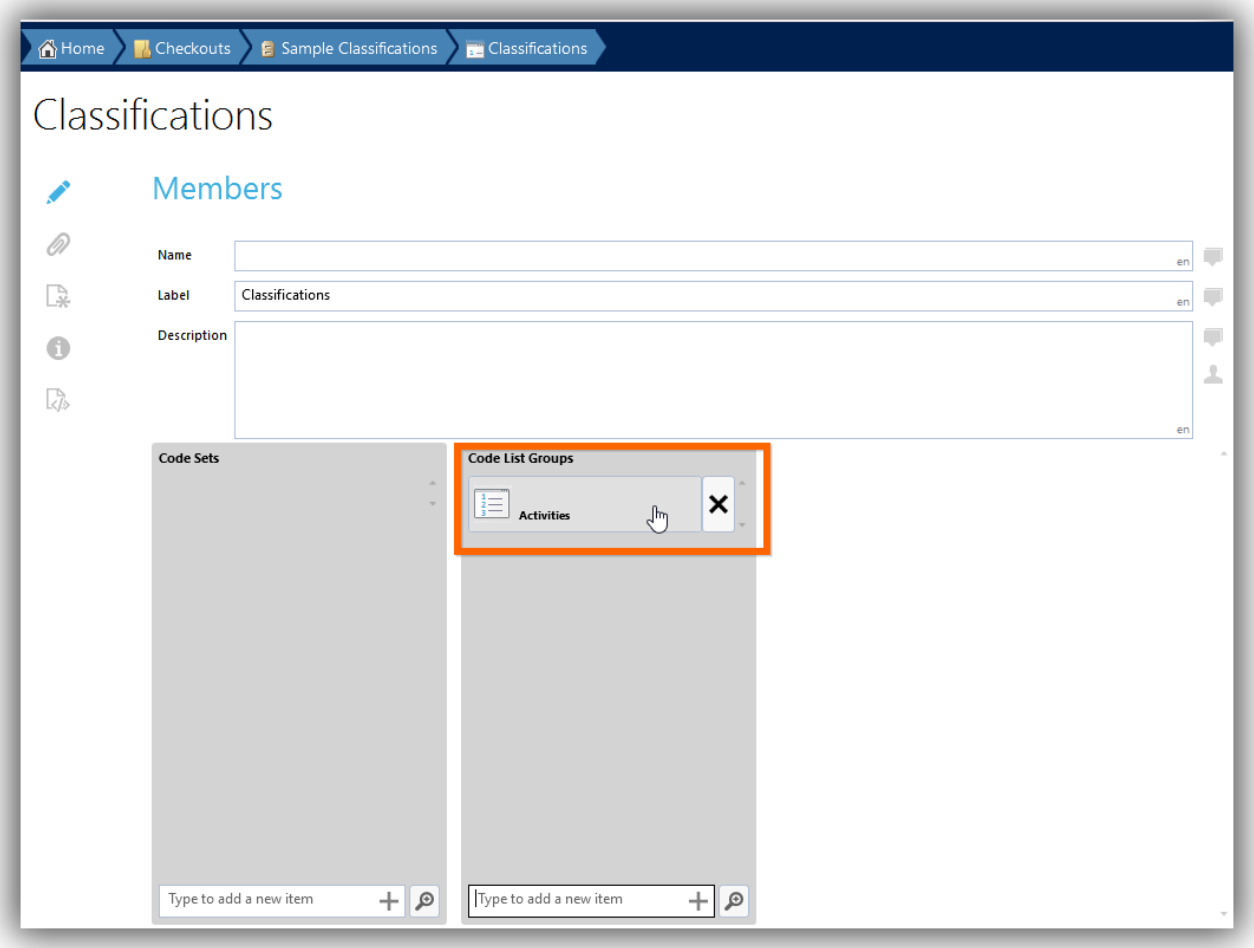
Points of Interest

- GSIM Classification model specifies many text fields
  - Some are computable
  - Some are enhanced using a relationship
- Added relationships and more specific type information
  - Example: Predecessor, Successor, Derived From
- Allows automatic computation of many fields
- This approach was followed in DDI4 as well

Demonstration!

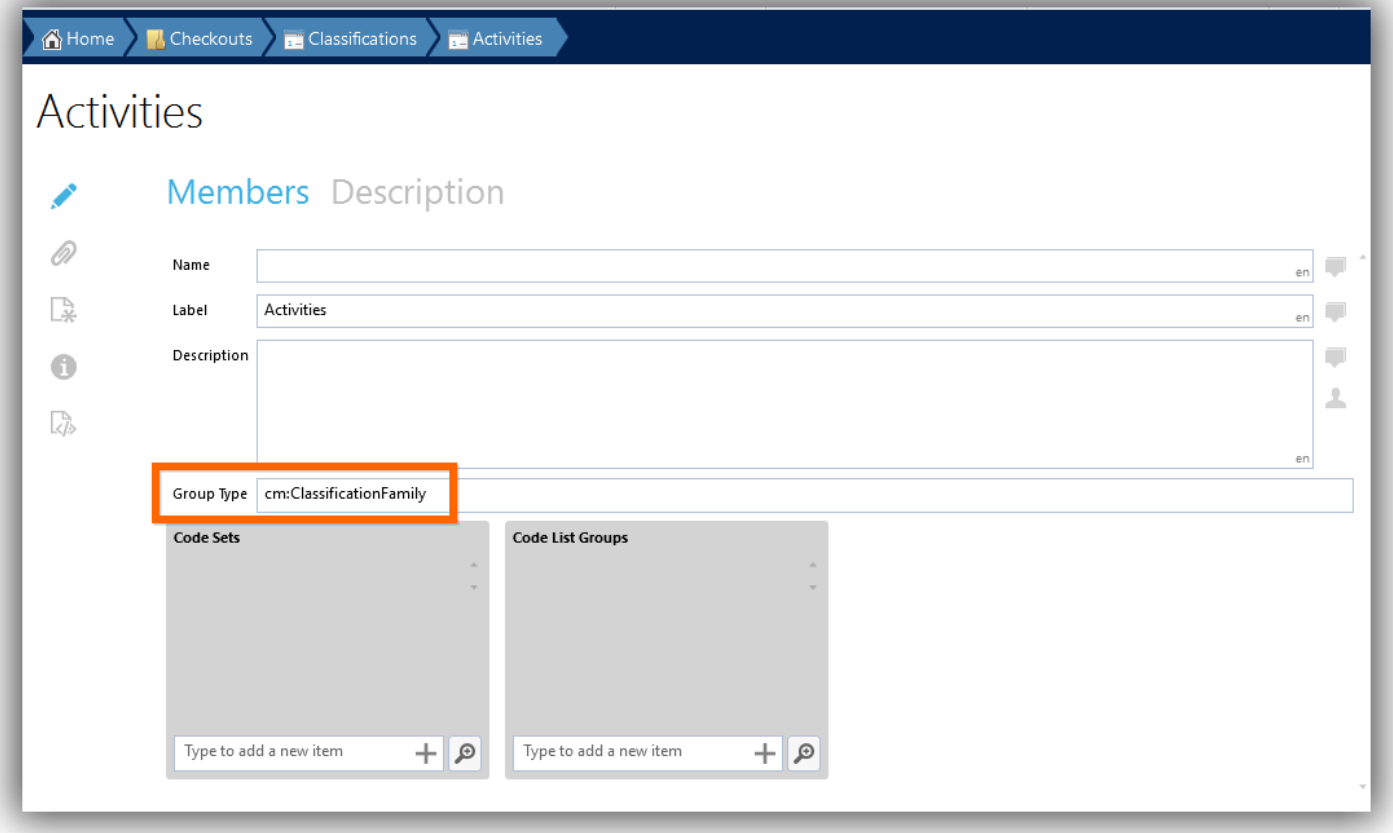
Demo – Classification Family

- Create a CodeListGroup



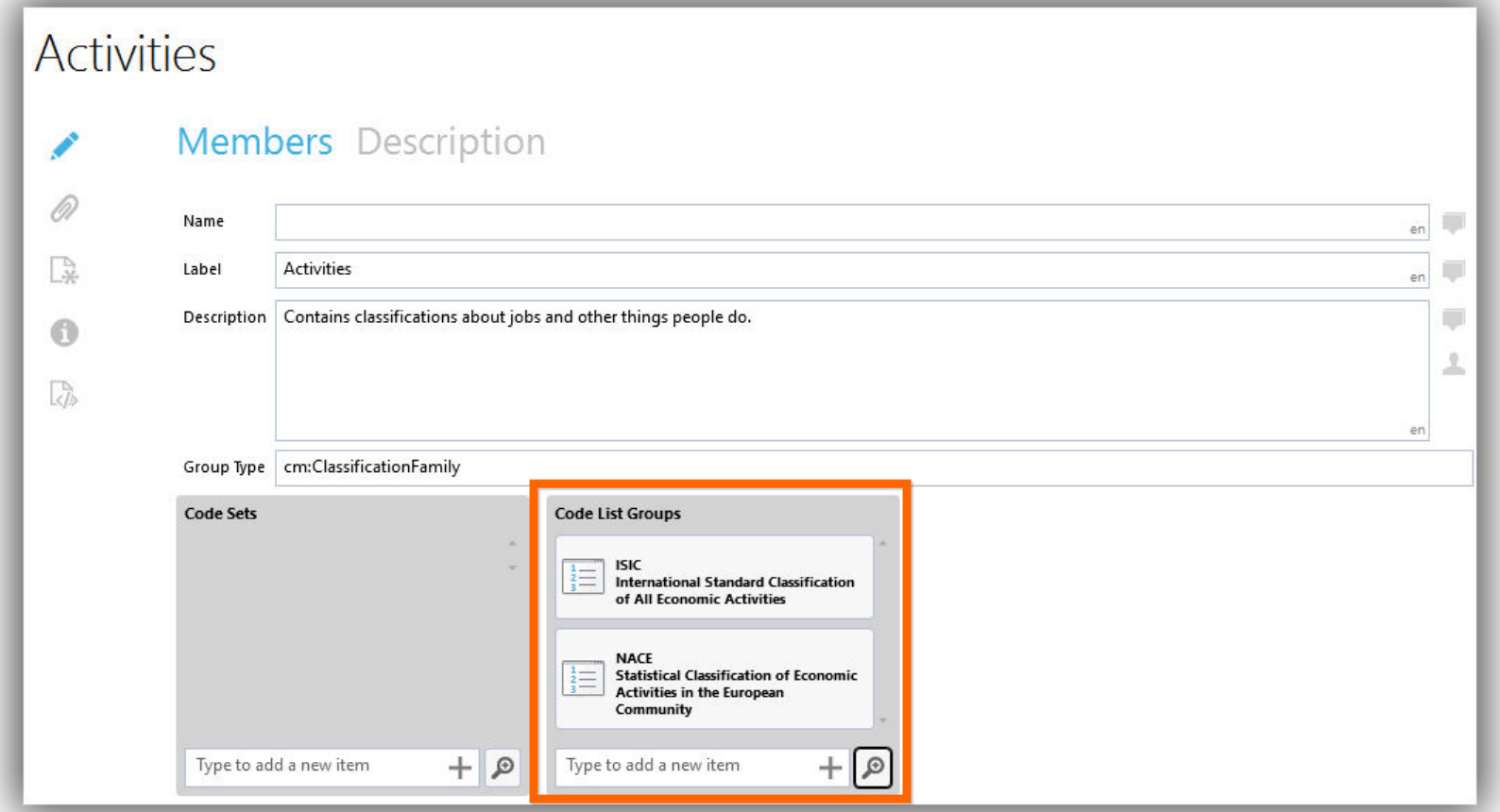
Demo – Classification Family

- Mark it as a Classification Family



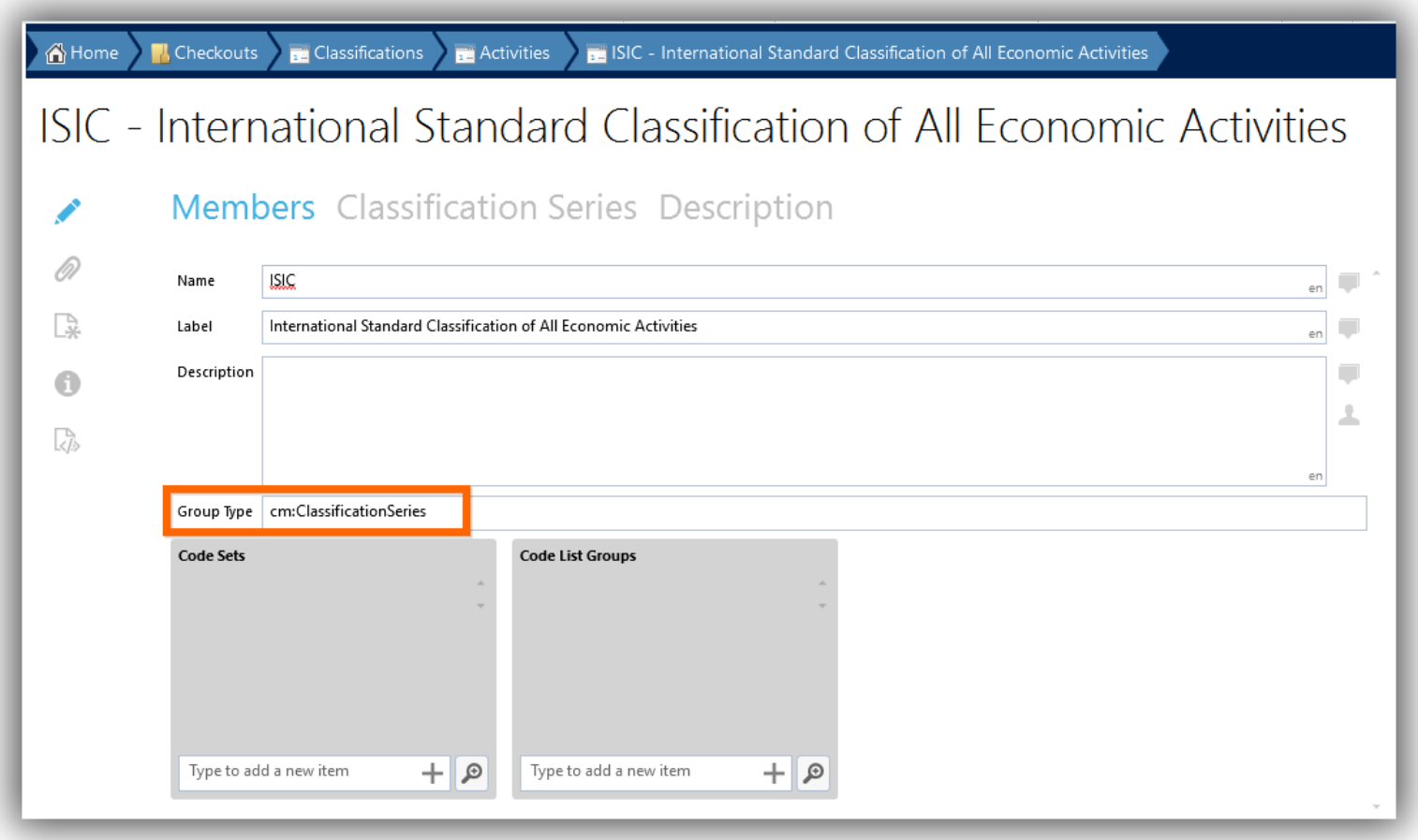
Demo – Classification Series

- Add a CodeListGroup for Classification Series



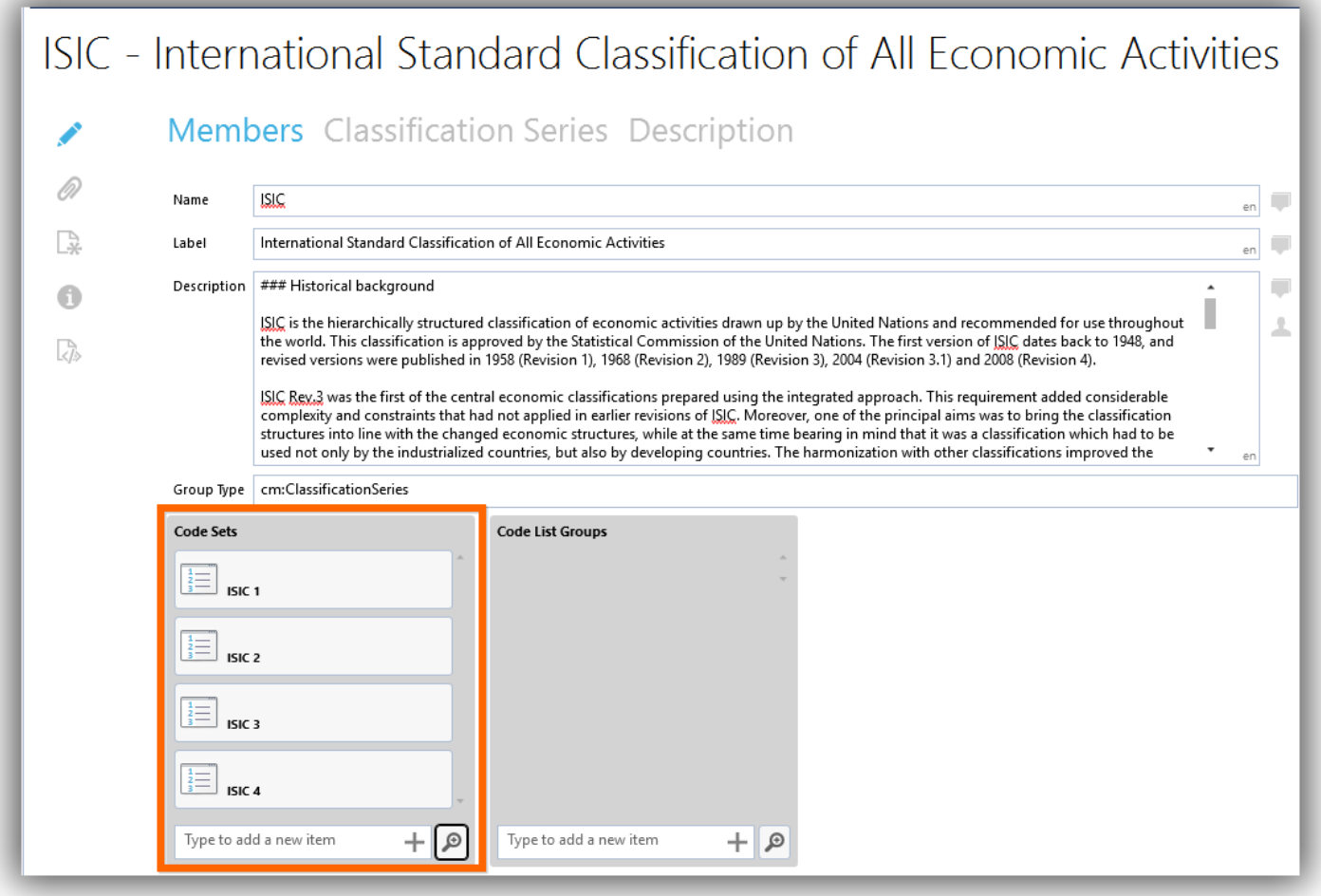
Demo – Classification Series

- Mark it as a Classification Series



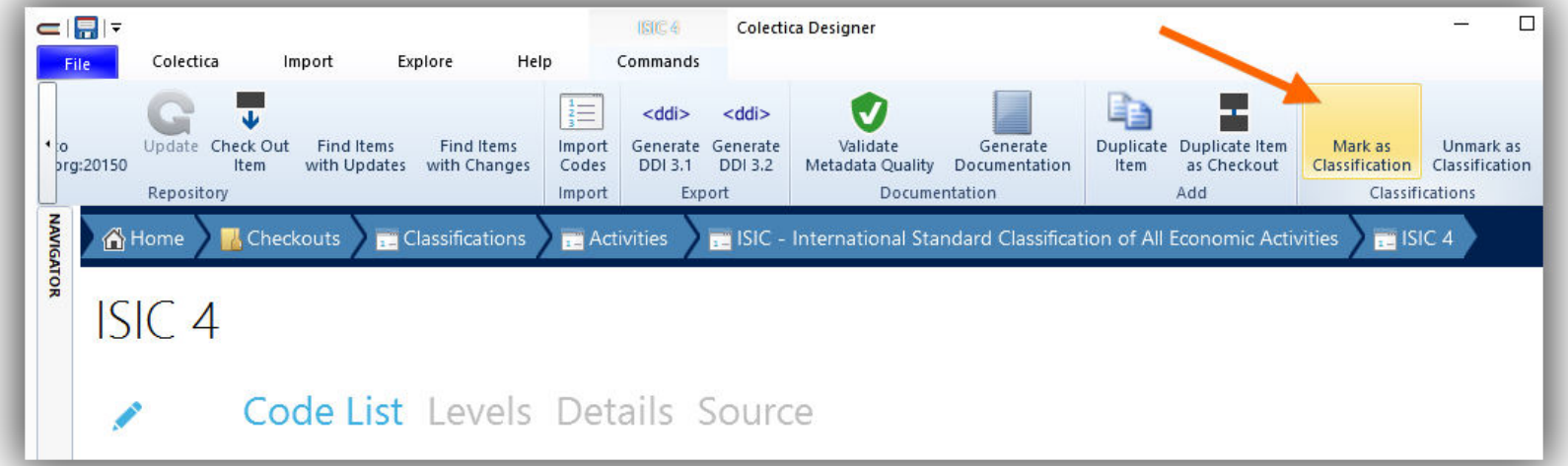
Demo – Statistical Classifications

- Add CodeLists for Statistical Classifications



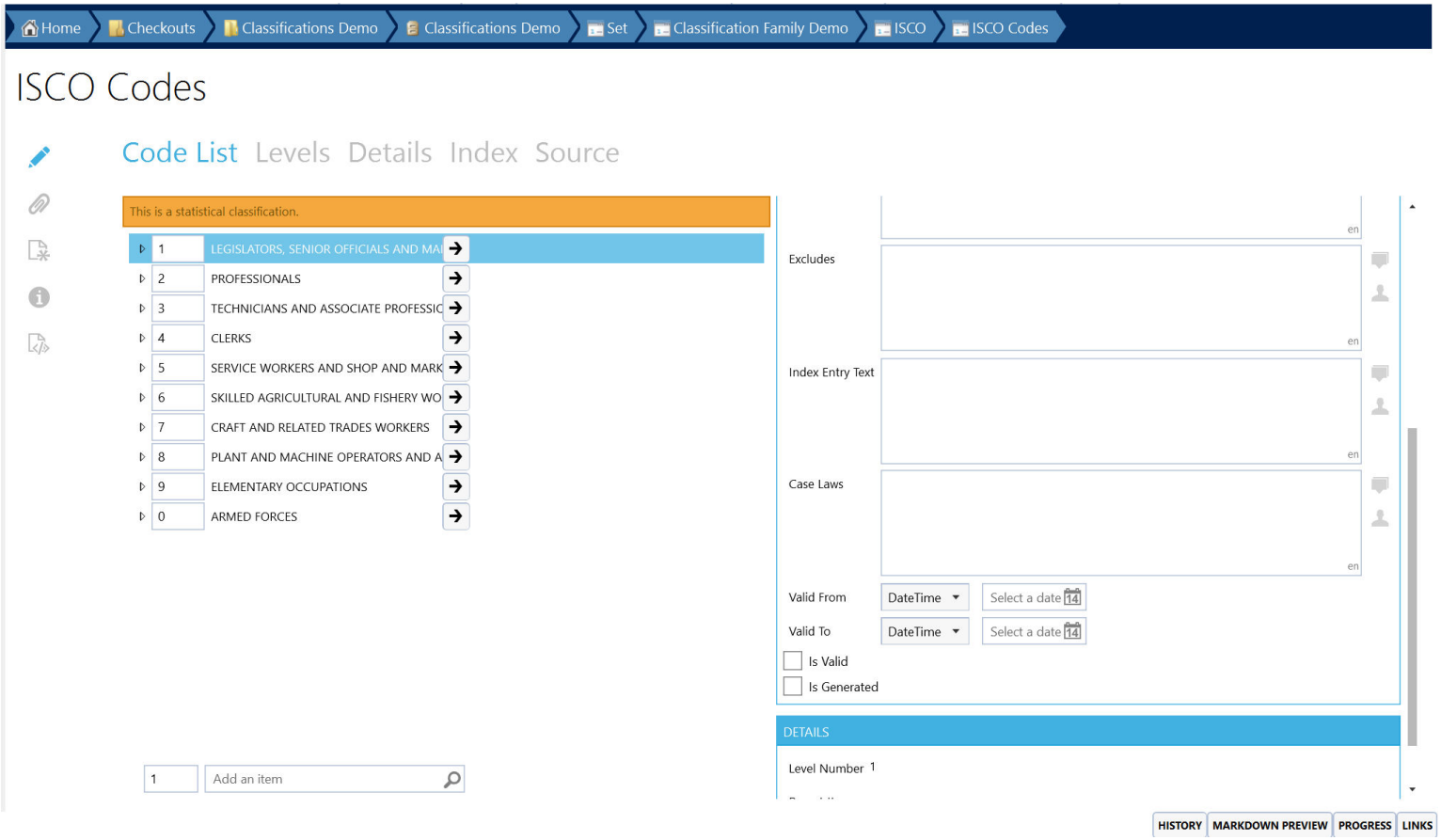
Demo – Statistical Classifications

- Mark the CodeList as a Statistical Classifications



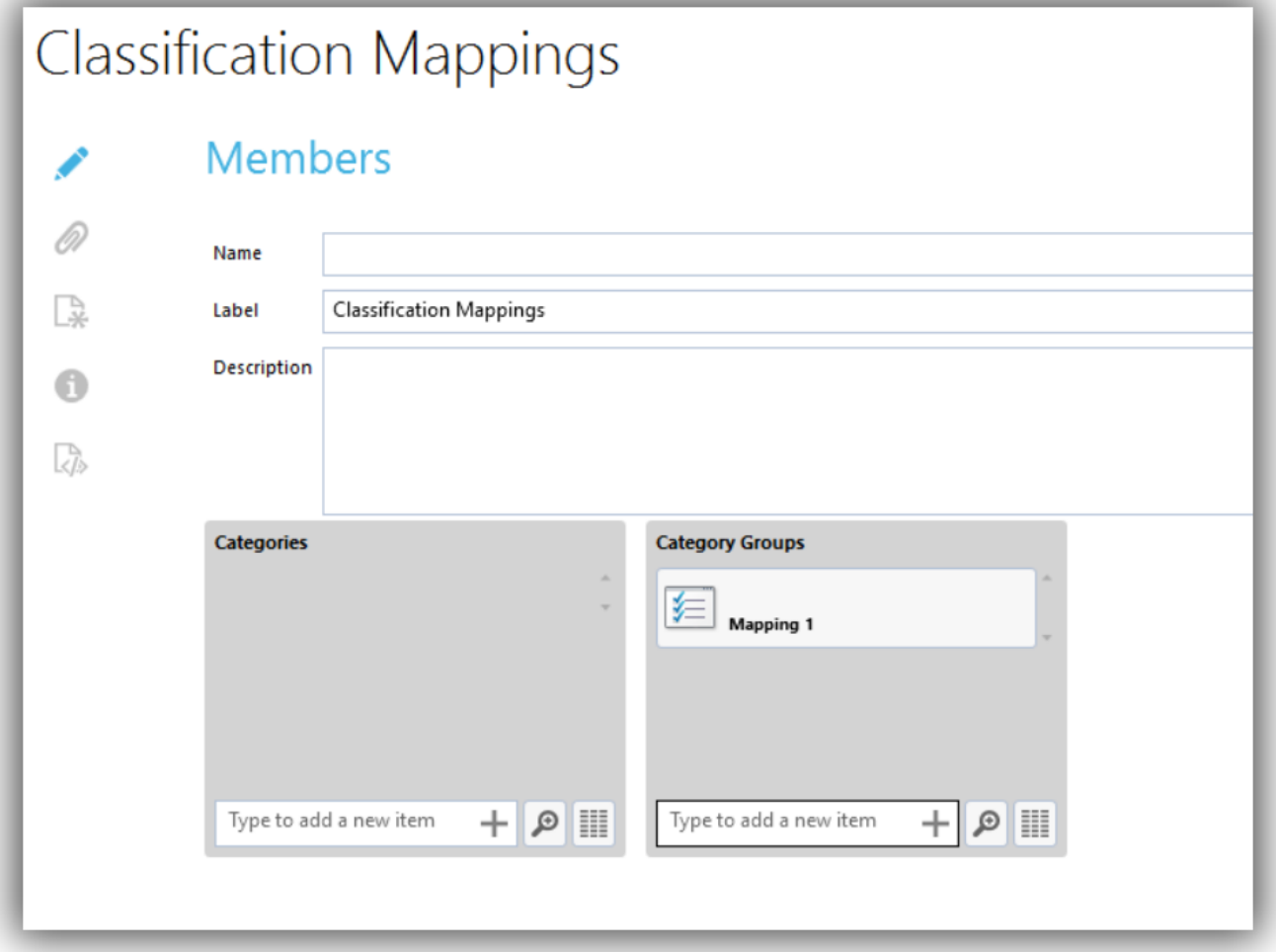
Demo – Statistical Classifications

- New attributes are revealed in the editor



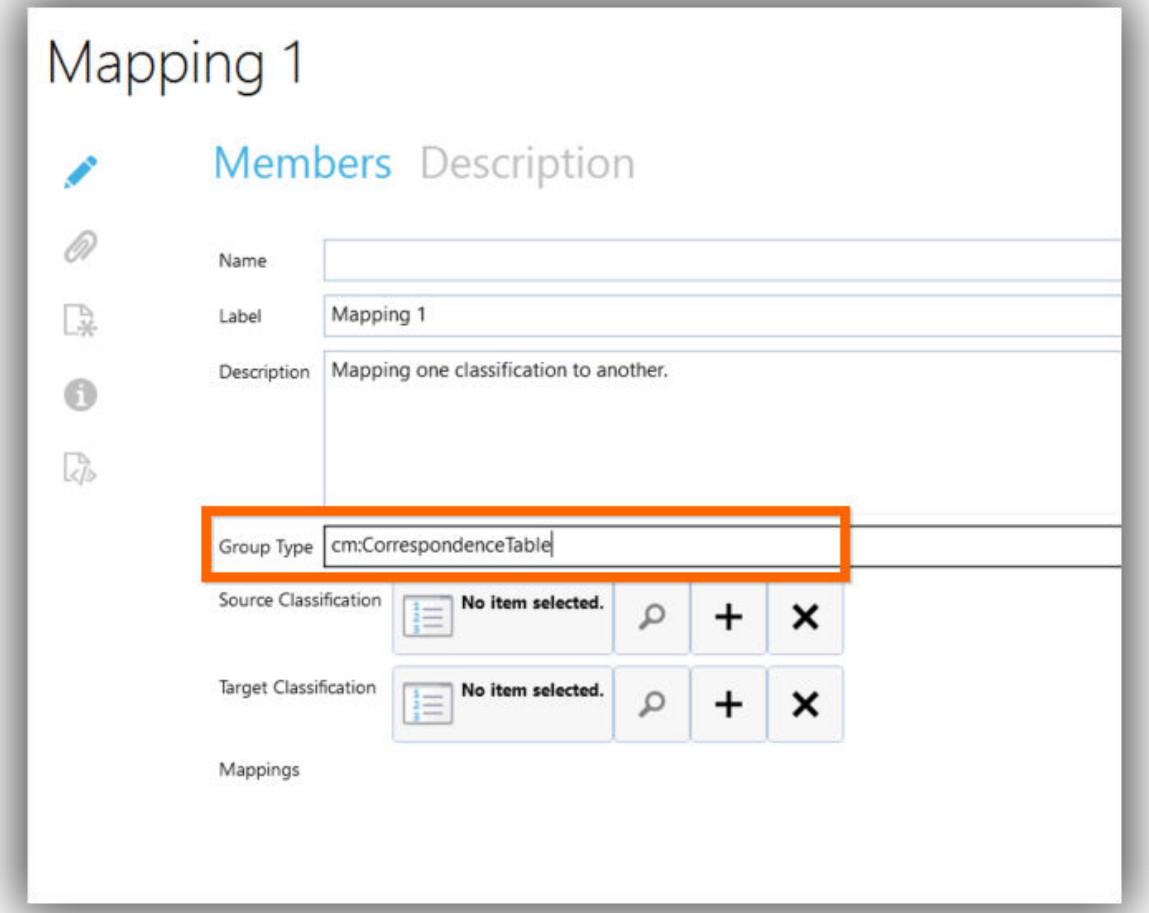
Demo – Correspondence Table

- Create a CategoryGroup



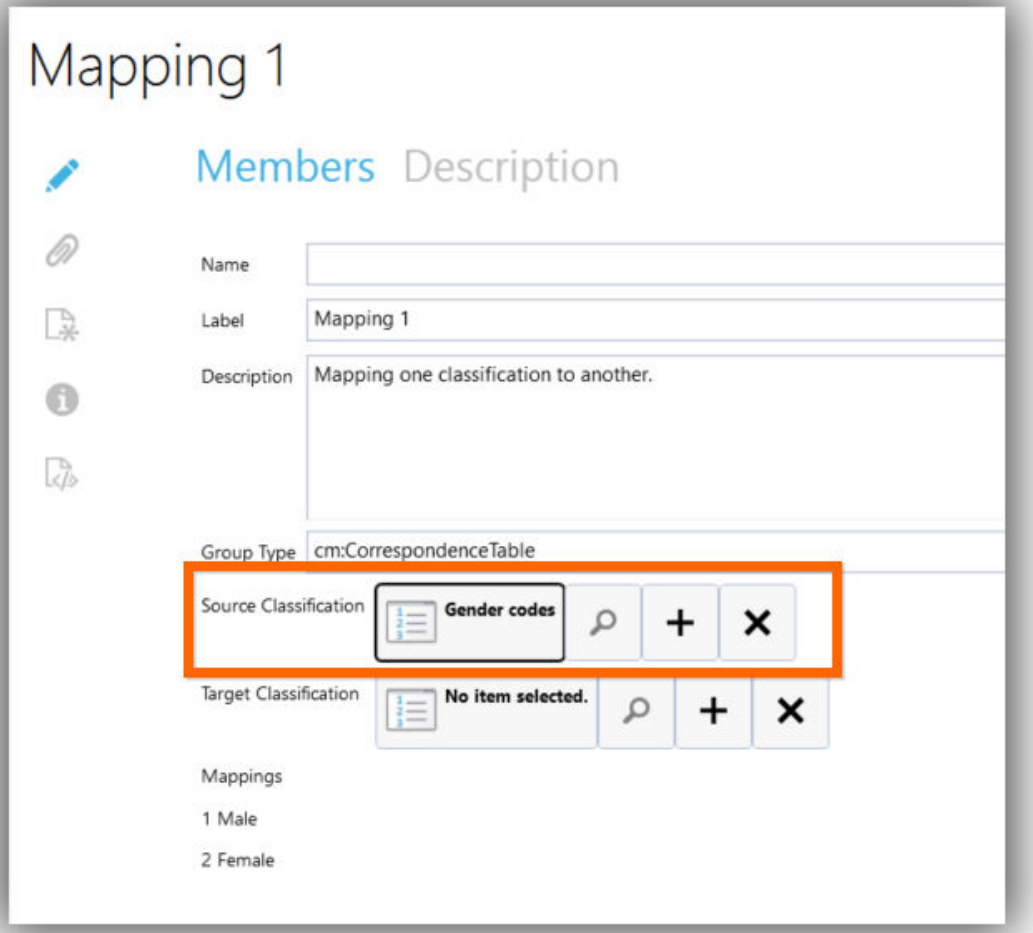
Demo – Correspondence Table

- Mark it as a Correspondence Table



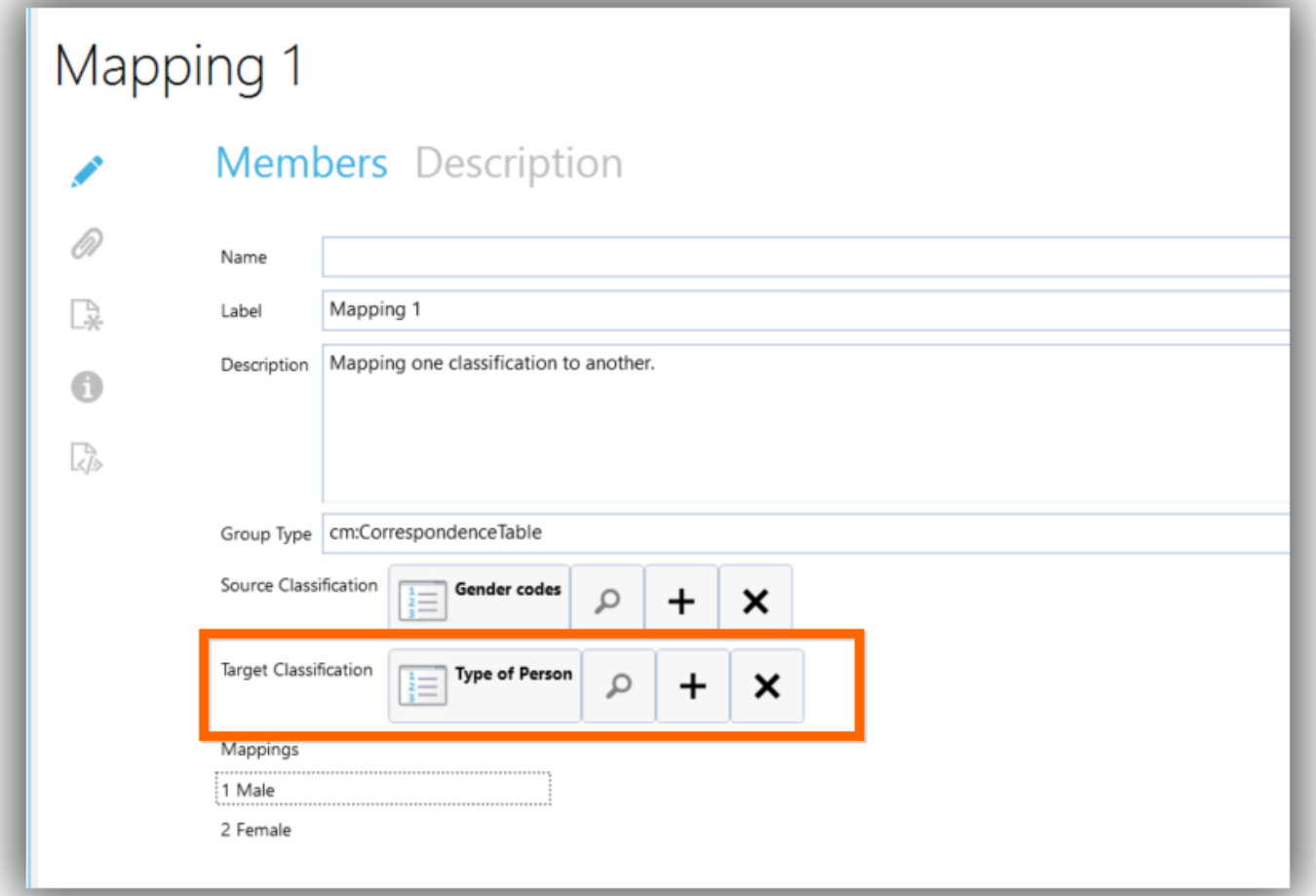
Demo – Correspondence Table

- Select source Statistical Classification



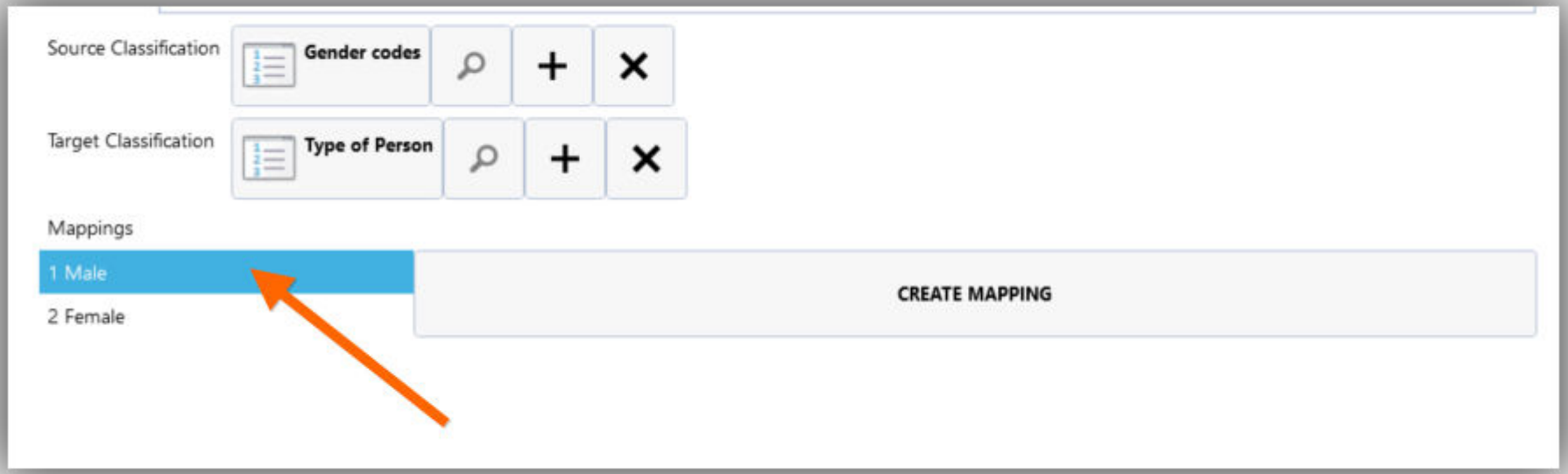
Demo – Correspondence Table

- Select target Statistical Classification



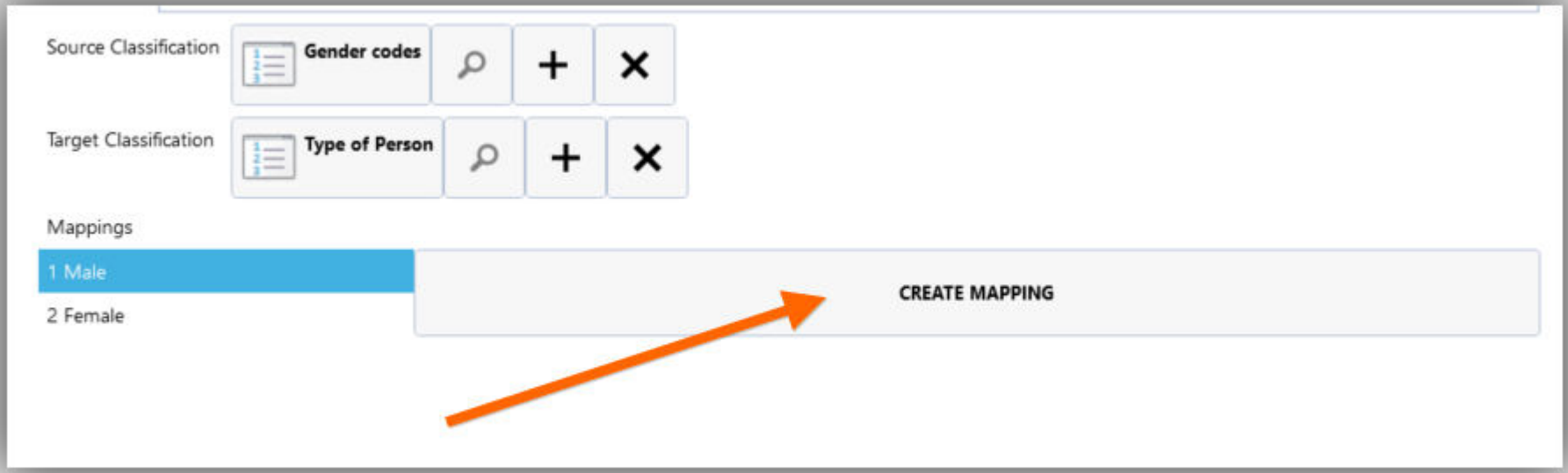
Demo – Correspondence Table

- Choose source Classification Item



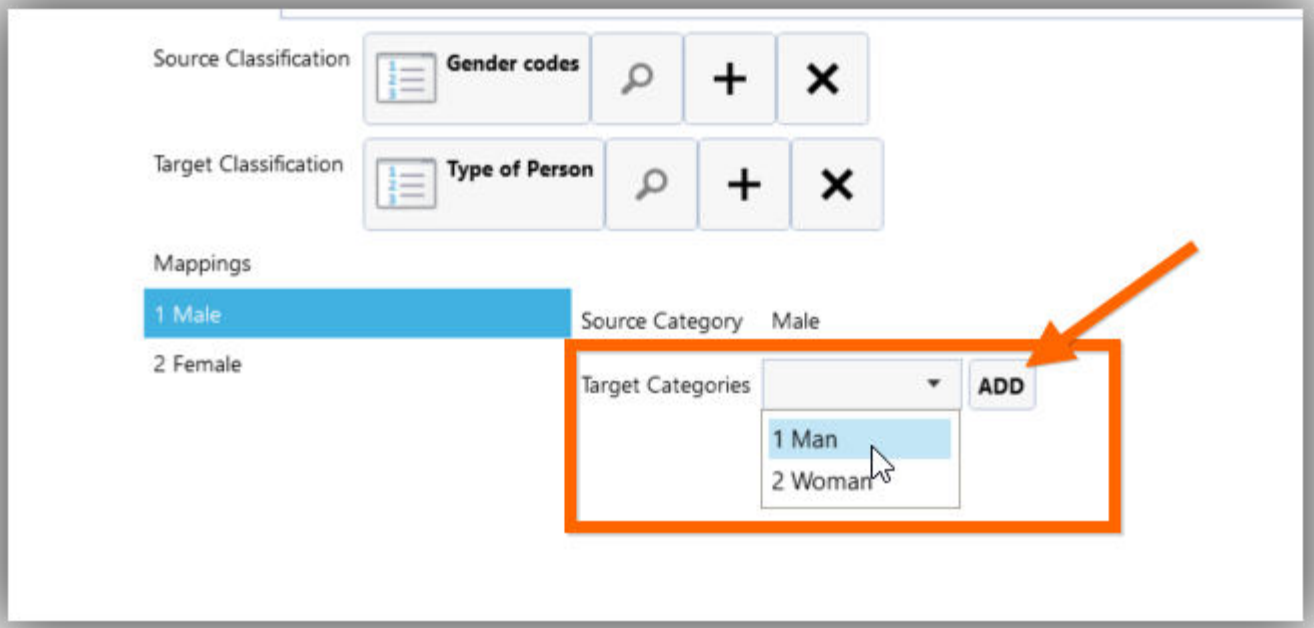
Demo – Correspondence Table

- Click Create Mapping



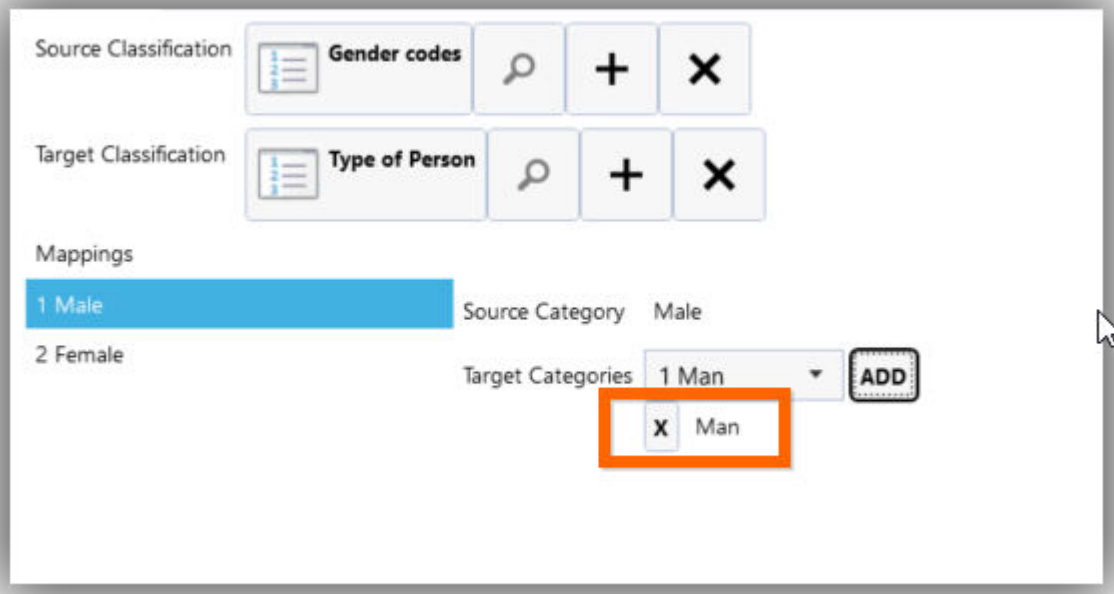
Demo – Correspondence Table

- Choose target Classification Item



Demo – Correspondence Table

- The mapping is recorded in the Correspondence



Takeaway

- DDI Lifecycle 3.2 is well suited for implementing GSIM Classifications
  - Use DDI for the Physical Specification
- Colectica now provides support for managing Statistical Classifications in DDI

Thank you

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