ExcelXbrlGen (EXGEN)
Excel XBRL Taxonomy Generator
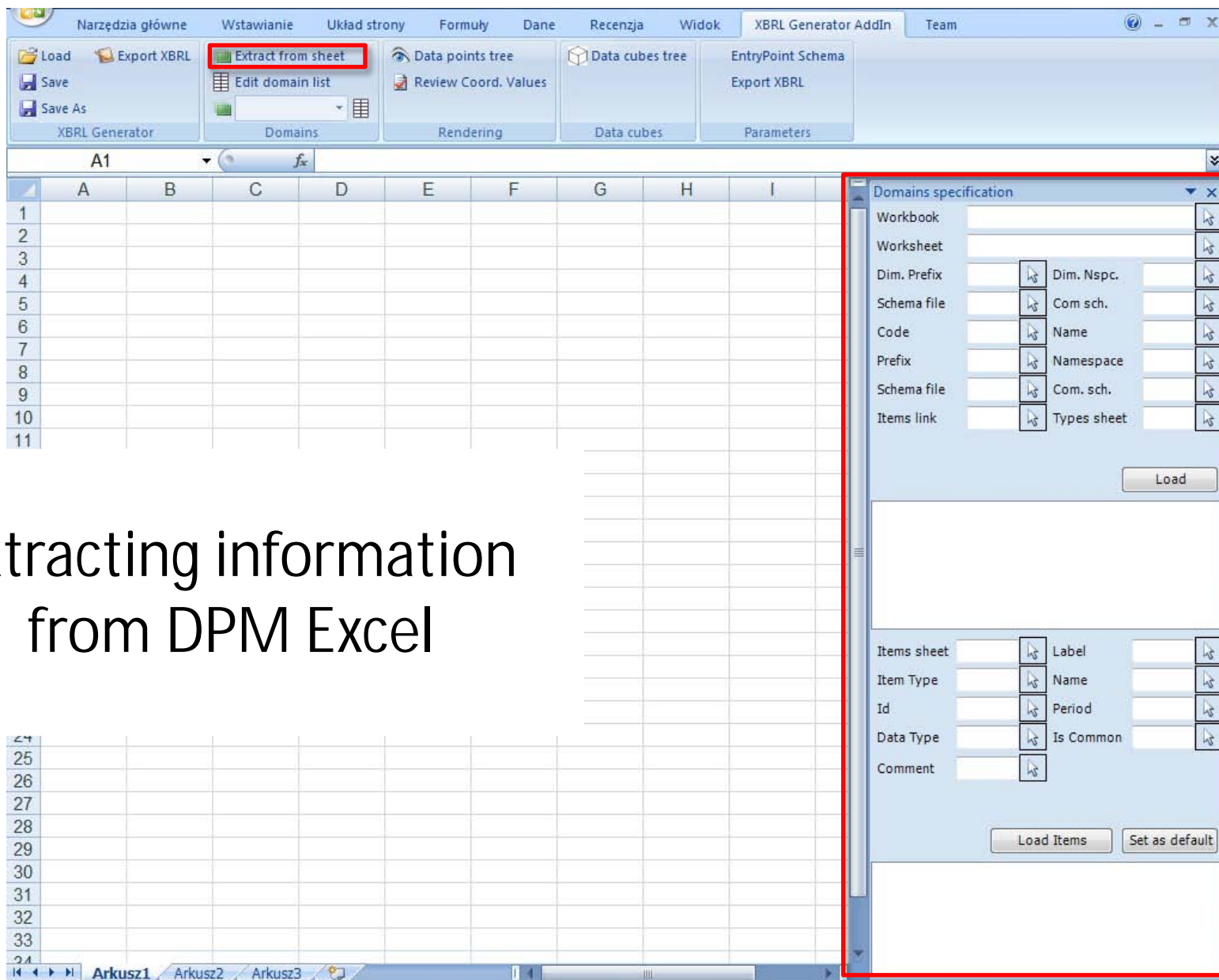# Overview of features and interface

Version 2012-02-15

General information

- developed in order to facilitate creation of taxonomies according to the draft Eurofiling architecture out of the Data Points Model in MS Excel format
  - automatic creation of primary items, dimensions, domains (structures of members) taxonomies consisting of schema files and linkbases (label and definition) out of the Excel DPM
  - interface for definition and output of tables linkbase (according to Eurofiling draft rendering schema and algorithms)
  - interface for definition and output of multidimensional data model (definition linkbase)

- important characteristics
  - requires .NET (v 3.5) and Excel libraries (2007 or higher) in use
  - no formal requirements set upfront (functionalities created and added on-the-fly)
  - no XBRL validation (some rules included for errors discovered during testing)
  - limited customization possible with many rules hardcoded

Overview of functionalities

- hardcoded taxonomy architecture (common and EBA/ECB/EIOPA/... specific definitions, separate taxonomies for base, domain and dimension items) and possibility to customize basic generation data (file names, namespaces, data types)
- reads information from worksheets in the correctly formatted DPM Excel workbook: definitions of items (worksheets discovered by hyperlinks or set manually) and relations (basing on worksheet name including "_D" at the end) and allows for editing in tool specific interface
- **generates taxonomies (common and domain specific) for:**
  - primary items: items definitions (schema), labels (linkbase)
  - dimensions: explicit and typed (schema, typed domain is referenced), labels (linkbase)
  - domains: members (schema) and their standard labels (linkbase), subdomains for dimensions – structures and specific labels (linkbases with custom ELRs)
- **table linkbase (and associated files) design interface and output**
  - uses information extracted from the DPM Excel worksheet in the step described above
  - outputs table linkbase files (schema, rendering and generic label linkbases, including folders structure)
- **definition linkbase for data cubes model - design interface and output**
  - uses information extracted from the DPM Excel worksheet and table definition, described in the steps above
  - outputs linkbase files (schema, definition and label linkbases, including folders structure)
- save of extracted, rendering and data model information (zipped xml file in custom format with .exc extension); load possible at any time in future (prompts for files: DPM Excel and Excels used for rendering)

Extracting information from DPM Excel

Domains specification interface

1. file location and name of a workbook (DPM Excel file)
2. name of a worksheet containing basic generation data
characteristics of dimension taxonomies:
    3. prefix of common and domain specific items
    4. namespace of common and domain specific items
    5. path and schema file name for domain specific items
    6. path and schema file name for common items
7. base/domain code (not used in the output)
8. name (used by rendering interface)
    9. prefix of common and domain specific items
    10. namespace of common and domain specific items
    11. path and schema file name for domain specific items
    12. path and schema file name for common items
13. link to worksheet defining items (base, domains & dimensions)
14. name of worksheet defining data types

Example of domains specification

	A	B	C	D	E	F	G	H	I	J	K
1	#	Code	Name	Prefix	Namespace	Schema file name	Common schema files	Dimensions prefix	Dimensions namespace	Dimensions schema file name	Dimensions common schema file name
2	0	base	Base items	base	http://www.eurofiling.info/base	eu/main/dsi/base/dsibase.xsd	eu/main/com/base/combase.xsd	dim	http://www.eurofiling.info/dim	eu/main/dsi/dim/dsidim.xsd	eu/main/com/dim/comdim.xsd
3	1	CT	Categories	dCT	http://www.eurofiling.info/dCT	eu/main/dsi/d/dCT/dsidCT.xsd	eu/main/com/d/dCT/comdCT.xsd				
4	2	CI	Comprehensive income	dCI	http://www.eurofiling.info/dCI	eu/main/dsi/d/dCI/dsidCI.xsd	eu/main/com/d/dCI/comdCI.xsd				
5	3	AT	Amount types	dAT	http://www.eurofiling.info/dAT	eu/main/dsi/d/dAT/dsidAT.xsd	eu/main/com/d/dAT/comdAT.xsd				
6	4	PL	Portfolios	dPL	http://www.eurofiling.info/dPL	eu/main/dsi/d/dPL/dsidPL.xsd	eu/main/com/d/dPL/comdPL.xsd				
7	5	SE	Sectors	dSE	http://www.eurofiling.info/dSE	eu/main/dsi/d/dSE/dsidSE.xsd	eu/main/com/d/dSE/comdSE.xsd				
8	6	GA	Geographical and political areas	dGA	http://www.eurofiling.info/dGA	eu/main/dsi/d/dGA/dsidGA.xsd	eu/main/com/d/dGA/comdGA.xsd				
9	7	CU	Currencies	dCU	http://www.eurofiling.info/dCU	eu/main/dsi/d/dCU/dsidCU.xsd	eu/main/com/d/dCU/comdCU.xsd				
10	8	TI	Time intervals	dTI	http://www.eurofiling.info/dTI	eu/main/dsi/d/dTI/dsidTI.xsd	eu/main/com/d/dTI/comdTI.xsd				
11	9	CD	Continuing/Discontinued	dCD	http://www.eurofiling.info/dCD	eu/main/dsi/d/dCD/dsidCD.xsd	eu/main/com/d/dCD/comdCD.xsd				
12	10	BA	Before/After	dBA	http://www.eurofiling.info/dBA	eu/main/dsi/d/dBA/dsidBA.xsd	eu/main/com/d/dBA/comdBA.xsd				
13	11	CL	Control	dCL	http://www.eurofiling.info/dCL	eu/main/dsi/d/dCL/dsidCL.xsd	eu/main/com/d/dCL/comdCL.xsd				
14	12	RP	Related parties	dRP	http://www.eurofiling.info/dRP	eu/main/dsi/d/dRP/dsidRP.xsd	eu/main/com/d/dRP/comdRP.xsd				
15	13	RT	Risk types	dRT	http://www.eurofiling.info/dRT	eu/main/dsi/d/dRT/dsidRT.xsd	eu/main/com/d/dRT/comdRT.xsd				
16	14	MA	Markets	dMA	http://www.eurofiling.info/dMA	eu/main/dsi/d/dMA/dsidMA.xsd	eu/main/com/d/dMA/comdMA.xsd				
17	15	RS	Reporting scope	dRS	http://www.eurofiling.info/dRS	eu/main/dsi/d/dRS/dsidRS.xsd	eu/main/com/d/dRS/comdRS.xsd				
18	16	EC	Entity codes	dEC	http://www.eurofiling.info/dEC	eu/main/dsi/d/dEC/dsidEC.xsd	eu/main/com/d/dEC/comdEC.xsd				
19											

NAVI TABLES DT BASE BASE D CT CT D CI CI D AT AT D PL PL D SE SE D GA GA D CU CU D TI TI D CD CD D BA BA D CL CL D RP RP D RT

Selection from worksheet is made by clicking on an arrow (right hand side of the field)

Domains specification

Workbook	D:\Eurofiling\DataPointsModel.xlsx
Worksheet	NAVI
Dim. Prefix	dim
Schema file	eu/main/dsi/dim/dsidim.xsd
Code	b2
Prefix	d2
Schema file	f2
Items link	c2

Dim. Nspc.	http://www.eurofiling.info/dim
Com sch.	eu/main/com/dim/comdim.xsd
Name	c2
Namespace	e2
Com. sch.	g2
Types sheet	DT

Load

Data types definitions

	Short name	Local name	Prefix	Schema location	Namespace	One letter abbreviation
2	monetary	monetaryItemType	xbrli	http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd	http://www.xbrl.org/2003/instance	m
3	decimal	decimalItemType	xbrli	http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd	http://www.xbrl.org/2003/instance	c
4	integer	integerItemType	xbrli	http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd	http://www.xbrl.org/2003/instance	i
5	date	dateItemType	xbrli	http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd	http://www.xbrl.org/2003/instance	d
6	string	stringItemType	xbrli	http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd	http://www.xbrl.org/2003/instance	s
7	none	pureItemType	xbrli	http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd	http://www.xbrl.org/2003/instance	n
8	boolean	booleanItemType	xbrli	http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd	http://www.xbrl.org/2003/instance	b
9	percent	percentItemType	num	http://www.xbrl.org/dtr/type/numeric-2009-12-16.xsd	http://www.xbrl.org/dtr/type/numeric	p
10	domain	domainItemType	nonnum	http://www.xbrl.org/dtr/type/nonNumeric-2009-12-16.xsd	http://www.xbrl.org/dtr/type/non-numeric	x

NAVI / TABLES / **DT** / BASE / BASE D / CT / CT D / CI / CI D / AT / AT D / PL / PL D / SE / SE D / GA / GA D /

- "Short name" is used when declaring data type of an item
- declaration of custom data types outside of scope of the tool (value assertions to be used)

Loading of domain information

Review of loaded domains information

setting primary items declaration in DPM Excel

Items characteristics interface

1. name of worksheet (or name of A1 cell) defining base or domain items (input automatically from "Items link" in domain specification interface or manually)

cell from first row (usually row 2) of column containing characteristics of a primary item, dimension or domain member:

2. standard label (reflected in linkbase file in standard ELR and label role)
3. one of the following item types: Primary item, Explicit dimension, Typed dimension, Member, Typed domain (impacts @substitutionGroup attribute value)
4. XBRL element @name attribute value
5. XBRL element @id attribute value
6. value of @periodType attribute ("duration" or "instant")
7. value of @dataType attribute; "Short name" from worksheet set as "Types sheet" in Domain specification interface); e.g. string, monetary, date, domain, ...
8. indication if an item is common (with "x" or any value) or domain specific (empty)
9. comment (not used for taxonomy generation, possibly as documentation label)

Example of items characteristics definiton

	A	B	C	D	E	F	G	H	I	J	K
1	Navi	Base items	Item type	Name	ID	Period	Data type	Common	Comment	Balance	Reference
2	1	Abstract	Primary item	ad1	base_ad1	duration	string	x			
3	1	Assets	Primary item	mi1	base_mi1	instant	monetary	x		debit	
4	2	Assets and liabilities	Primary item	mi2	base_mi2	instant	monetary			debit	
5	3	Change in equity	Primary item	md3	base_md3	duration	monetary			credit	
6	4	Collateral or other credit enhancement received as security	Primary item	mi4	base_mi4	instant	monetary			debit	
7	5	Commitments and financial guarantees given	Primary item	mi5	base_mi5	instant	monetary	x		credit	
8	3	Commitments and financial guarantees received	Primary item	mi3	base_mi3	instant	monetary	x		debit	
9	6	Entity name	Primary item	sd6	base_sd6	duration	string				
10	7	Entry date	Primary item	dd7	base_dd7	duration	date				
11	8	Equity	Primary item	mi8	base_mi8	instant	monetary	x		credit	
12	9	Equity and liabilities	Primary item	mi9	base_mi9	instant	monetary			credit	
13	10	Expense	Primary item	md10	base_md10	duration	monetary			debit	
14	11	Income	Primary item	md11	base_md11	duration	monetary			credit	
15	12	Income/(Expense)	Primary item	md12	base_md12	duration	monetary			credit	
16	13	Liabilities	Primary item	mi13	base_mi13	instant	monetary	x		credit	
17	14	Removal date	Primary item	dd14	base_dd14	duration	date				
18	15	Voting rights	Primary item	pi15	base_pi15	instant	percent				
19											
20											

NAVI / TABLES / DT / **BASE** / BASE_D / CT / CT_D / CI / CI_D / AT / AT_D / PL / PL_D / SE / SE_D / GA / GA

"Set as default": applies the same start cells (B2, C2, ...) for items discovery to all defined (found automatically via links or set manually) domain worksheets

Items sheet	base_	Label	b2
Item Type	c2	Name	d2
Id	e2	Period	f2
Data Type	g2	Is Common	h2
Comment	i2		

Load Items   Set as default

11

Attribute „Abstract"

- There is no information in Excel worksheet and data model structure concerning item's „abstract" attribute
- The tool generates to XBRL taxonomy element with abstract attribute=„true"
  if:
  - item is PrimaryItem and its name starts with „a"
  - item is not PrimaryItem

  in other cases abstract attribute = „false"

Domain structure (subdomains)

	A	B	C	D	E	F	G	H	I	J
1	Navi	Geographical and political areas - Structure	Level	Label			Default	Type	Comment	Definition
2	dGA_01	http://www.eurofiling.info/dsi/dGA_01								Dimension: Counterparty residence [1]
3	dim_CR	Counterparty residence	0	Counterparty residence						
4	dGA_x1	Total / Not-applicable	1	Total / Not-applicable			true			
5	dGA_eu	EU	2	EU						
6	dGA_emu	EMU	3	EMU						
7	dGA_x2	Other than EMU in EU	3	Other than EMU in EU						
8	dGA_x4	Other than EU	2	Other than EU						
9	dGA_02	http://www.eurofiling.info/dsi/dGA_02								Dimension: Counterparty residence [2]
10	dim_CR	Counterparty residence	0	Counterparty residence						
11	dGA_x1	Total / Not-applicable	1	Total / Not-applicable						
12	dGA_emu	EMU	2	EMU						
13	dGA_x3	Other than EMU	2	Other than EMU						
14	dGA_03	http://www.eurofiling.info/dsi/dGA_03								Dimension: Jurisdiction of incorporation
15	dim_JI	Jurisdiction of incorporation	0	Jurisdiction of incorporation						
16	dGA_emu	EMU	1	EMU						
17	dGA_x2	Other than EMU in EU	1	Other than EMU in EU						
18	dGA_x4	Other than EU	1	Other than EU						
19										

NAVI / TABLES / DT / BASE / BASE_D / CT / CT_D / CI / CI_D / AT / AT_D / PL / PL_D / SE / SE_D / GA / **GA_D** / CU / CU_D / TI / TI_D

- worksheet name: "{Items sheet}_D"
- starts from second row and discovers all not-empty rows
- for role types:
  - column A: roleType @id attribute
  - column B: roleType roleURI
  - column J: roleType definition
  - declaration of a roleType placed in domain's schema file (usedOn: definition and label link)
- for dimensions and members:
  - column A: XBRL item @id attribute
  - column B: ELR specific label and tree structure of definition linkbase basing on indentation (arcroles hardcoded)
  - column C: nesting level (supportive in case indentation is lost)
  - column D: standard label (for vlookup function)
  - column G: information if an item is a default member
- columns E, F, H and I – for future functionalities (national extensions, types of subdomains, etc)

Review of loaded data (1)

drop-down list

Review of loaded data (2)

Defining rendering information
Overview

- input:
  - information extracted from DPM Excel and stored in XBRL Taxonomy Generation AddIn
  - business templates (**BT**) in Excel format

- functionality:
  - splitting of BTs in statements and tables (i.e. components of statements)
  - reflecting columns/rows of BTs as tree structure (x and y axis) of rendering linkbase (automatic or manual)
  - addition of hidden/dropdown (template application) information (z axis)
  - assigning of items (base items, members for dimension) as axis coordinates

- output:
  - schema files (roleType definitions)
  - rendering linkbase files
  - generic label linkbase files (for row/columns coordinates)
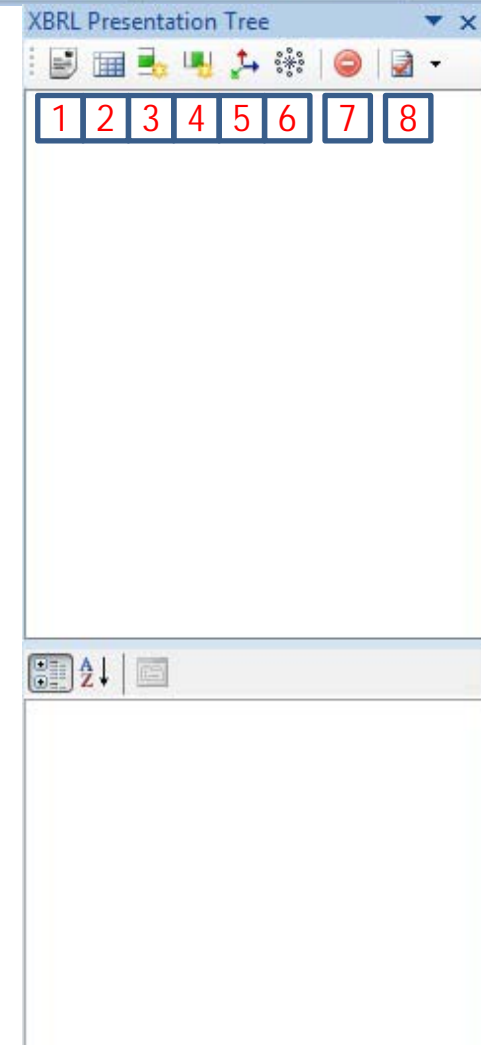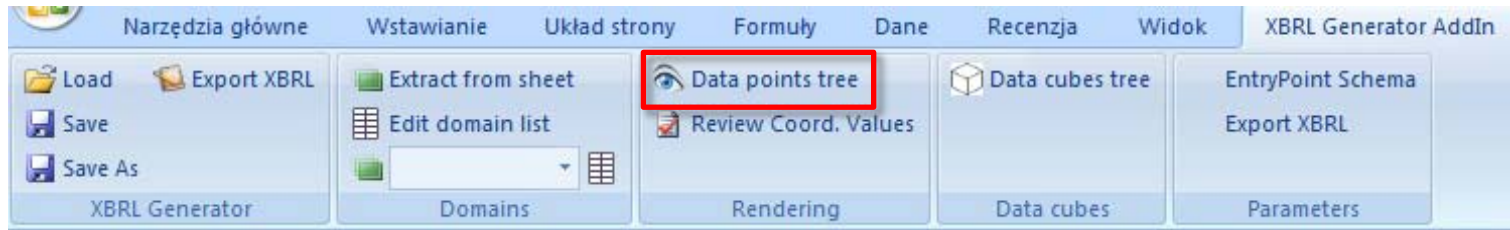
1. add a statement (schema containing role types definitions and referencing rendering and generic labels linkbases)
   - file name (and prefix at the same time) and folder location
   - target namespace
2. add a table
3. automatically create coordinates for y axis from BT rows
4. automatically create coordinates for y axis from BT columns
5. adds z axis
6. adds coordinates on any axis or other coordinate (possible also with right click on axis or coordinate)
7. removes definition of a statement, table, axis or coordinate
8. updates items attributes

Adding a statement
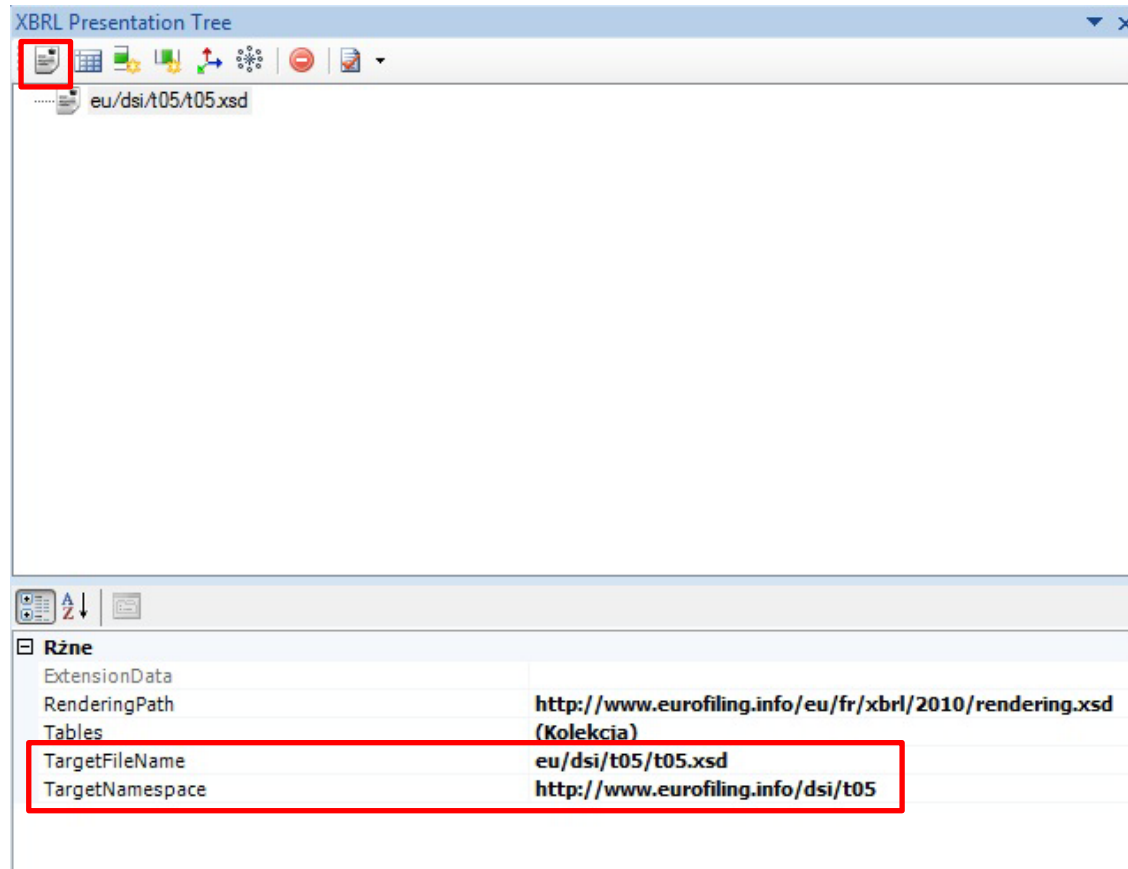
- TargetFileName: file name (and prefix at the same time) and folder location
- TargetNamespace: target namespace of a template schema

Adding a table
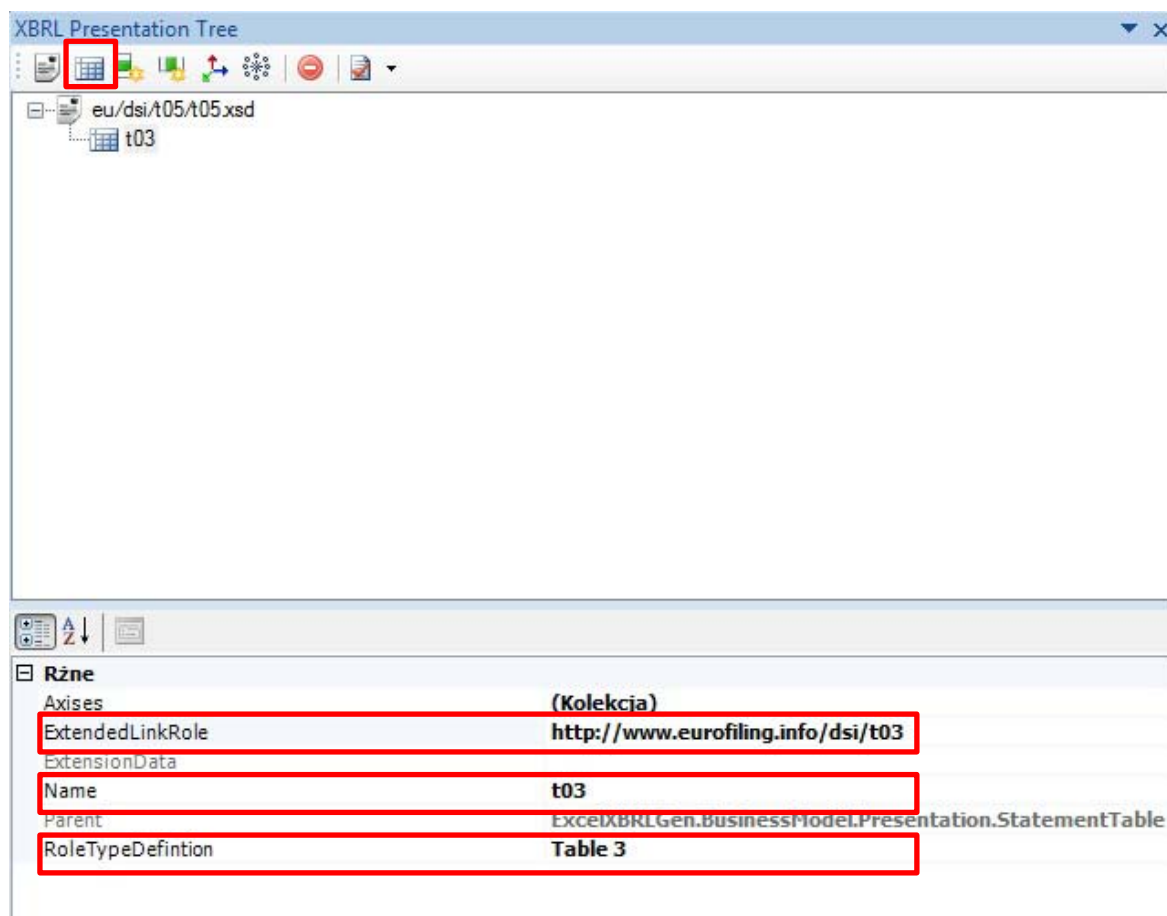
- ExtendedLinkRole: roleType roleURI
- Name: roleType @id
- RoleTypeDefinition: roleType definition

Creation of rows and columns coordinates (rendering tree structure for axis and generic labels)

- automatic by marking a range of cells in Excel (+ CTRL allows to mark more areas if needed):
  - coordinate labels read from cells content
  - hierarchy
    - rows:
      - top to bottom for order
      - left to right for levels
        » based on indentation
        » based on columns nesting
      - possible issues with merged cells and mixing columns based with indentation based levels
    - columns:
      - left to right for order
      - top to bottom for levels
      - possible issues with merged cells
    - possible „drag and drop" for moving defined coordinates in the tree structure
- manually: adding coordinate by coordinate and setting their labels and hierarchies

Automatic creation of rows coordinates

Automatic creation of columns coordinates

Adding of Z-axis

Manual adding of a coordinate and setting its label

Editing coordinate values [1]
(base or dimension members)

Editing coordinate values [2]
(base or dimension members)

select a domain form a drop-down list

select dimensions from a domain and exactly one member for each of them (subdomains view) or "none" to remove a dimension inherited from upper level coordinates

review all selected coordinate values

Assigning coordinate values (1)

Assigning coordinate values (2)

Assigning coordinate values (3)

The coordinate values can be assigned by selecting cells with dimension breakdown; The tool controls if selected cell contains information that is already assigned to parent element (the same dimension member) and allows user to explicitly add this value to child member or discard it and implicitly inherit from parent.

Additional features and rules of XBRL Presentation Tree interface

Axes, coordinates and coordinate values can be:

- dragged and dropped:
  - with CTRL: copy
  - without CTRL: move
- copied / pasted / deleted
  - Ctrl+C, Ctrl+V, Del

Rules:

- axis can be placed only on tables
- coordinates can be dropped only on axis or other coordinates
- coordinates values can be dropped only on other coordinates

Other characteristics of coordinate

XBRL Presentation Tree

- eu/tpl/t05/t05.xsd
- eu/tpl/t03/t03.xsd
  - t03
    - Row
      - Debt securities (1)
        - Category of assets / Debt securities held
        - Counterparty sector / Other than retail
        - Central banks (2)
          - Counterparty sector / Central banks
        - General governments (3)
        - Credit institutions (4)
        - Other financial corporations (5)
        - Corporates (6)
      - Loans (7)
      - Total (16)
    - Column
    - Z Axis
- eu/tpl/t07/t07.xsd

Różne	
Abstract	**False**
Cell code	**16**
Children	**(Kolekcja)**
Coordinate reference	**IFRS 7.37**
Dimension Values	**(Kolekcja)**
Excel cell location	**B23**
ExtensionData	**System.Runtime.Serialization.ExtensionDataObject**
Id	**ac48**
Parent	
Text	**Total**
Time reference	

Table 3 - Impairment of debt instruments

	A	B
8	Debt securities	
9		Central banks
10		General governments
11		Credit institutions
12		Other financial corporations
13		Corporates
14	Loans	
15		Central banks
16		General governments
17		Credit institutions
18		Other financial corporations
19		Non-financial corporations, Corporates
20		Non-financial corporations, Retail
21		Households, Corporates
22		Households, Retail
23	Total	IFRS 7

- Abstract: coordinate does not result in a new row or column but is just a header of headers
- Cell code: number code of row/column (coordinate-code generic label)
- Coordinate reference : coordinate generic documentation label
- Excel cell location:
  - if coordinate is created manually the tool allows to link the coordinate to a specific cell in a worksheet
  - in case of automatic creation of coordinates the link is also made automatically and stored in the tool (can be overridden)
- Id: unique code given assigned to a coordinate that is later used as a label on coordinate resource
- Text: generic label (created automatically together with axis or manually)
- Time reference: indication of beginning & ending balance or offset in time (e.g. minus 1 year, minus 1 quarter, etc)
- Children, Parent, Dimension Values – collection of other coordinates or coordinate values

Setting coordinate as abstract

Adding coordinate reference

Review of coordinate values

intersection of information from all axis for a specified cell

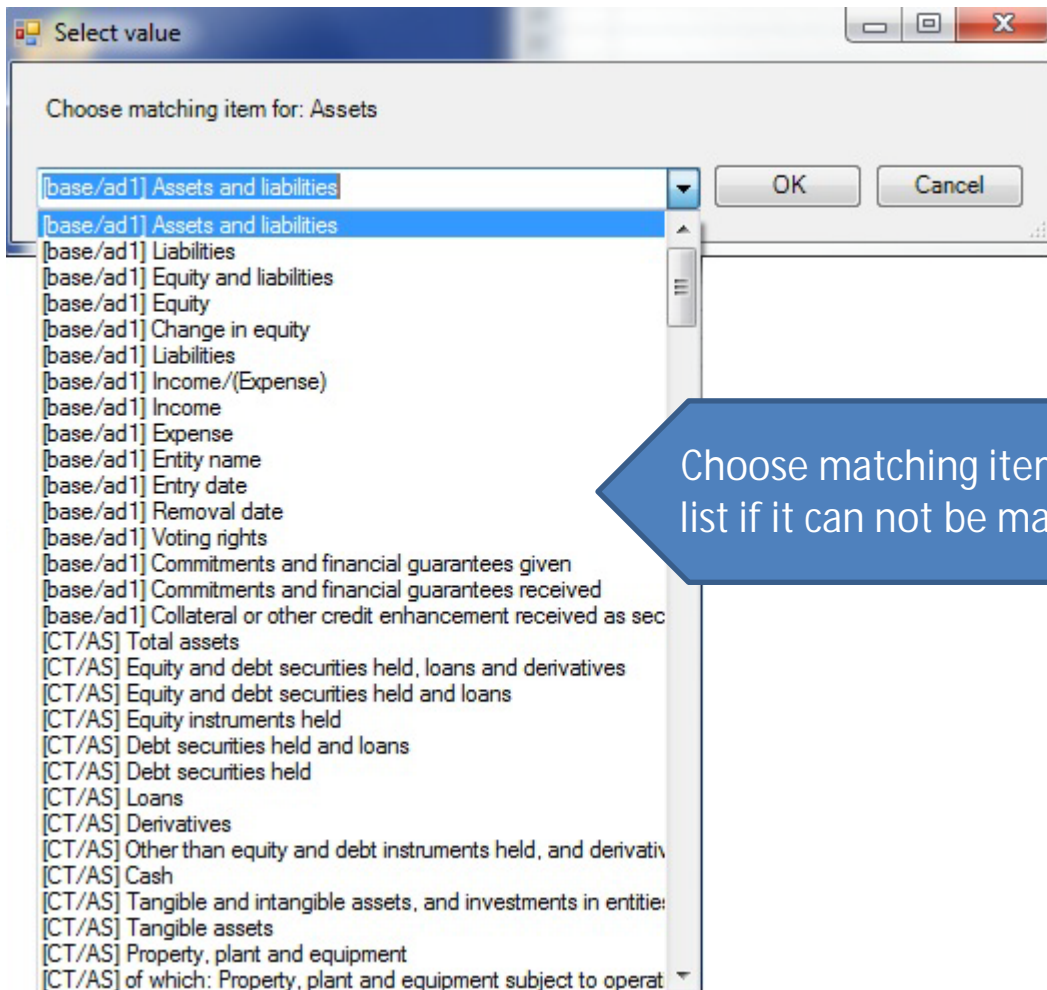# Updating Items Attributes [1]
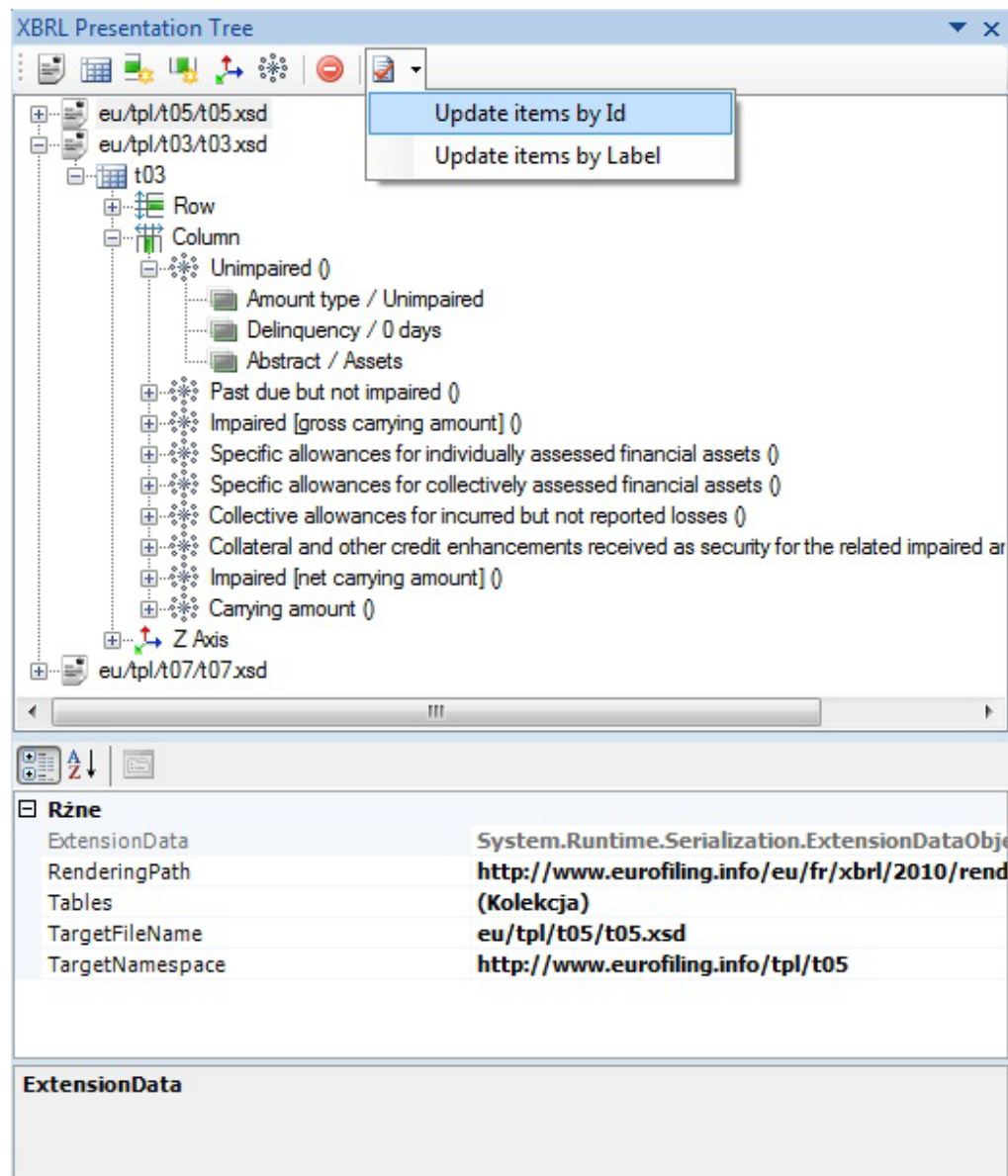
Changes in DataModel

(after reloading information from DPM Excel)

are not applied automatically into statements definition (XBRL Presentation Tree) and need to be reconciled manually.

This function allows to find and eliminate discrepancies assuming that:

- items IDs
- items Labels

have not been changed.

Updating Items Attributes [2]

The tools automatically updates item values matched by Id or Label.

If no matching item is found, user can choose item manually from the current data model.

Choose matching item from a drop-down list if it can not be matched automatically

Defining data cube information
Overview

- input:
  - information extracted from DPM Excel and stored in XBRL Taxonomy Generation AddIn
  - rendering information: statements, tables, coordinates (XBRL Presentation Tree)

- functionality:
  - addition of data cubes (complete scope and statement data cubes), roles, hypercubes and assigning of items to them
  - automatic generation of statement cubes for statement tables

- output:
  - schema files (roleType definitions)
  - data cubes definition linkbase files
  - label linkbase files
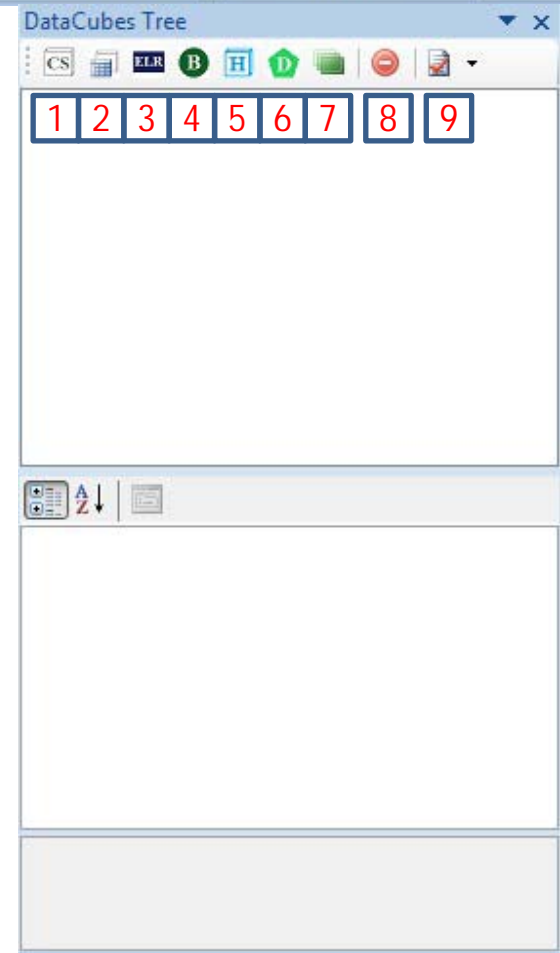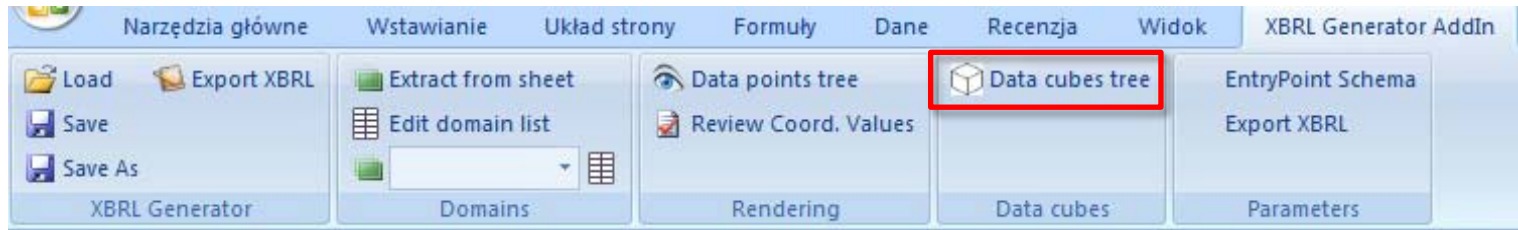
1. add a complete scope data cube
   - file name (and prefix at the same time) and folder location
   - target namespace
2. create a statement cube for a selected statement /table
3. add extended link role (ELR)
4. add base elements to ELR
5. add hypercube to ELR
6. add dimension to hypercube
7. add member to base / dimension
8. remove definition of a data cube, role, hypercube or member
9. update items attributes
   - by id
   - by label

Adding a complete scope data cube
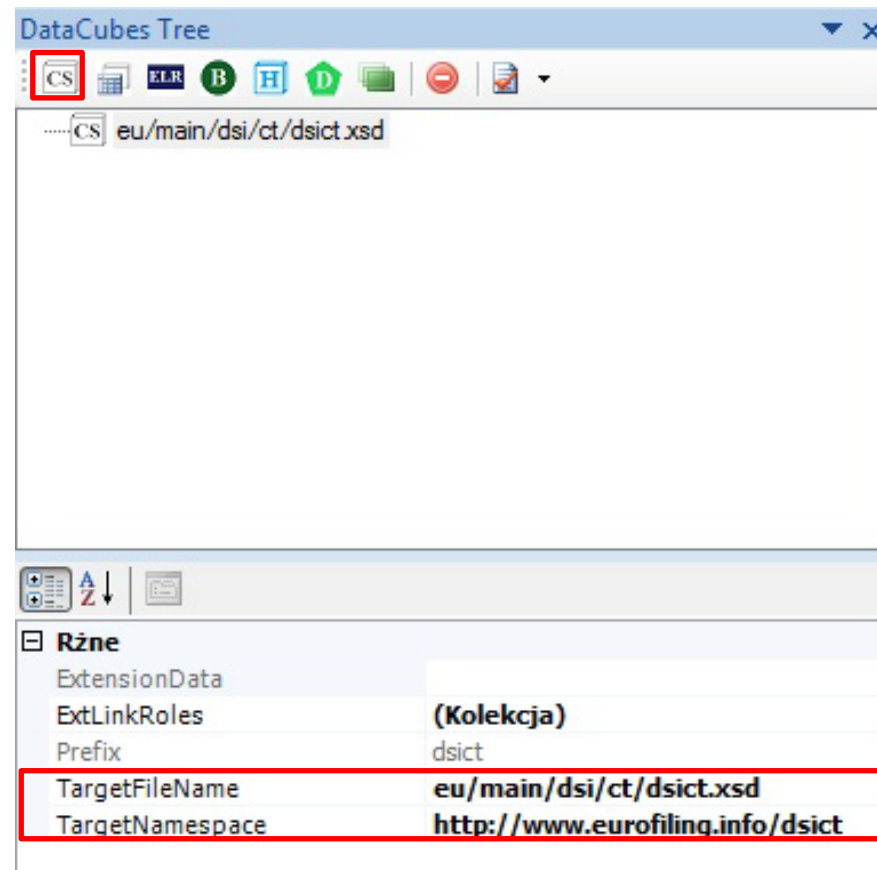
- TargetFileName: file name (and prefix at the same time) and folder location
- TargetNamespace: target namespace of a schema file

Adding an Extended Link Role [1]
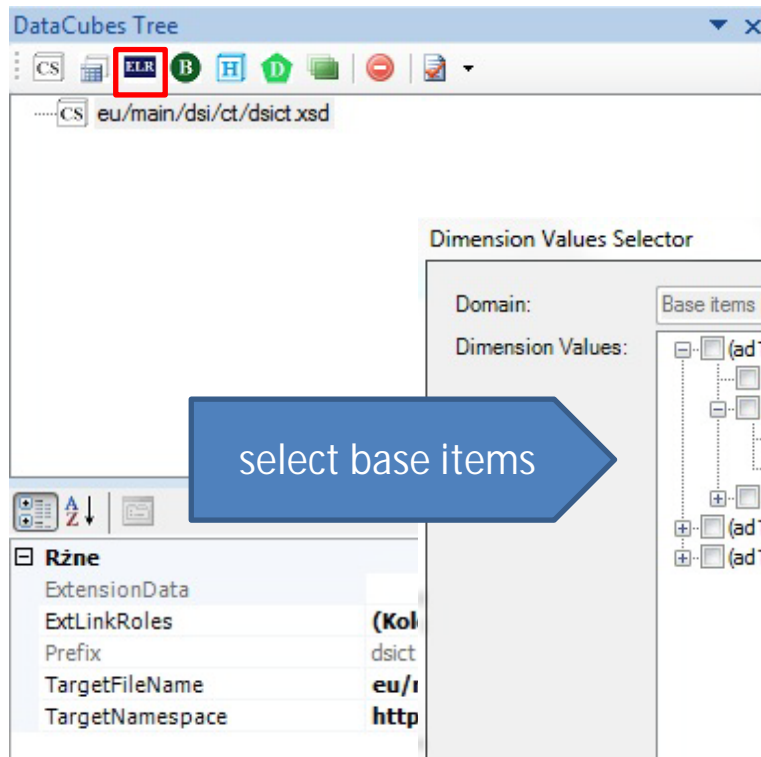
ELR is added with chosen base items and empty hypercube.

select base items

review all selected base items
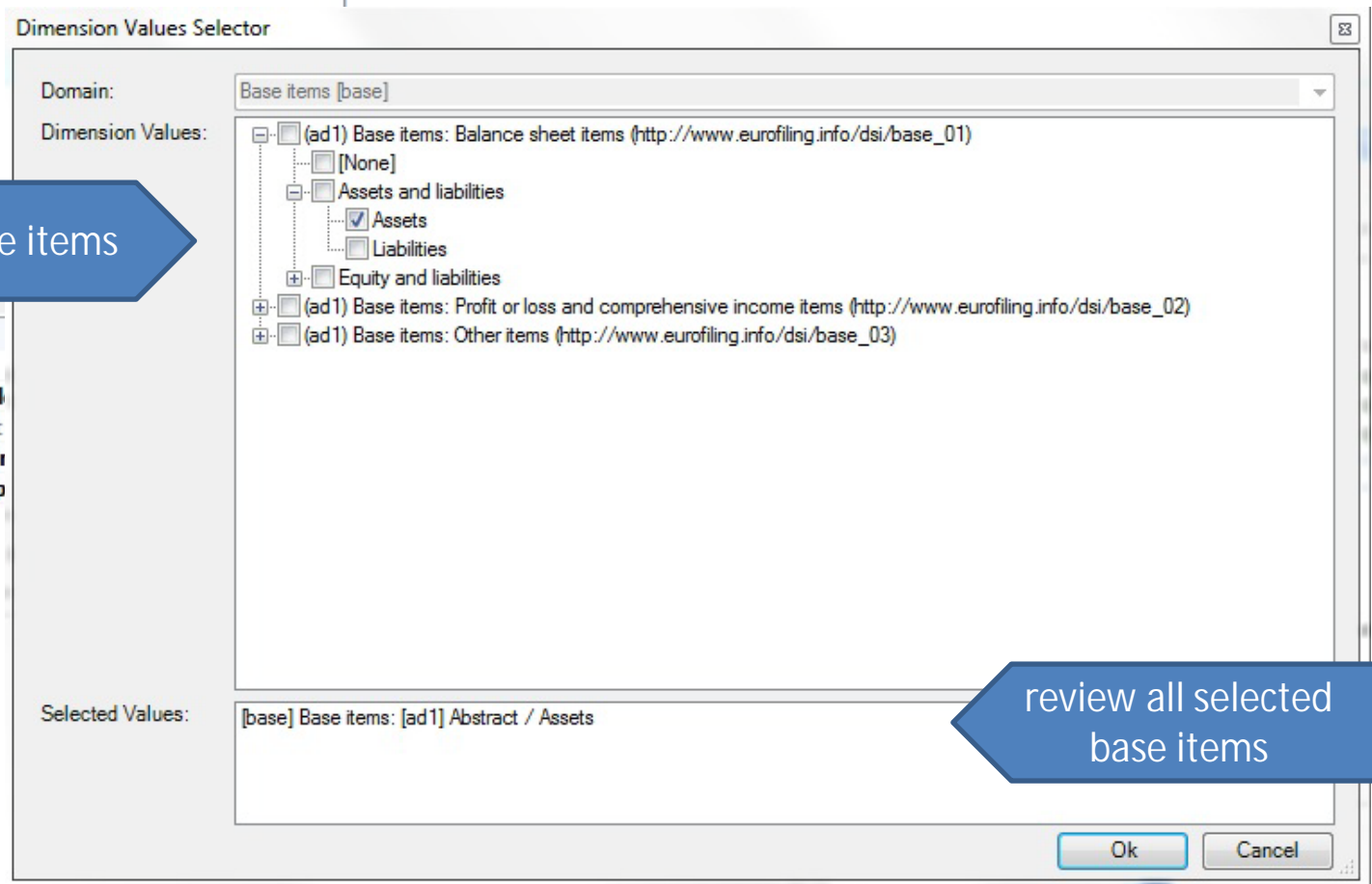
If no primary item is selected, ELR is added with empty domain (Base items).

Adding an Extended Link Role [2]
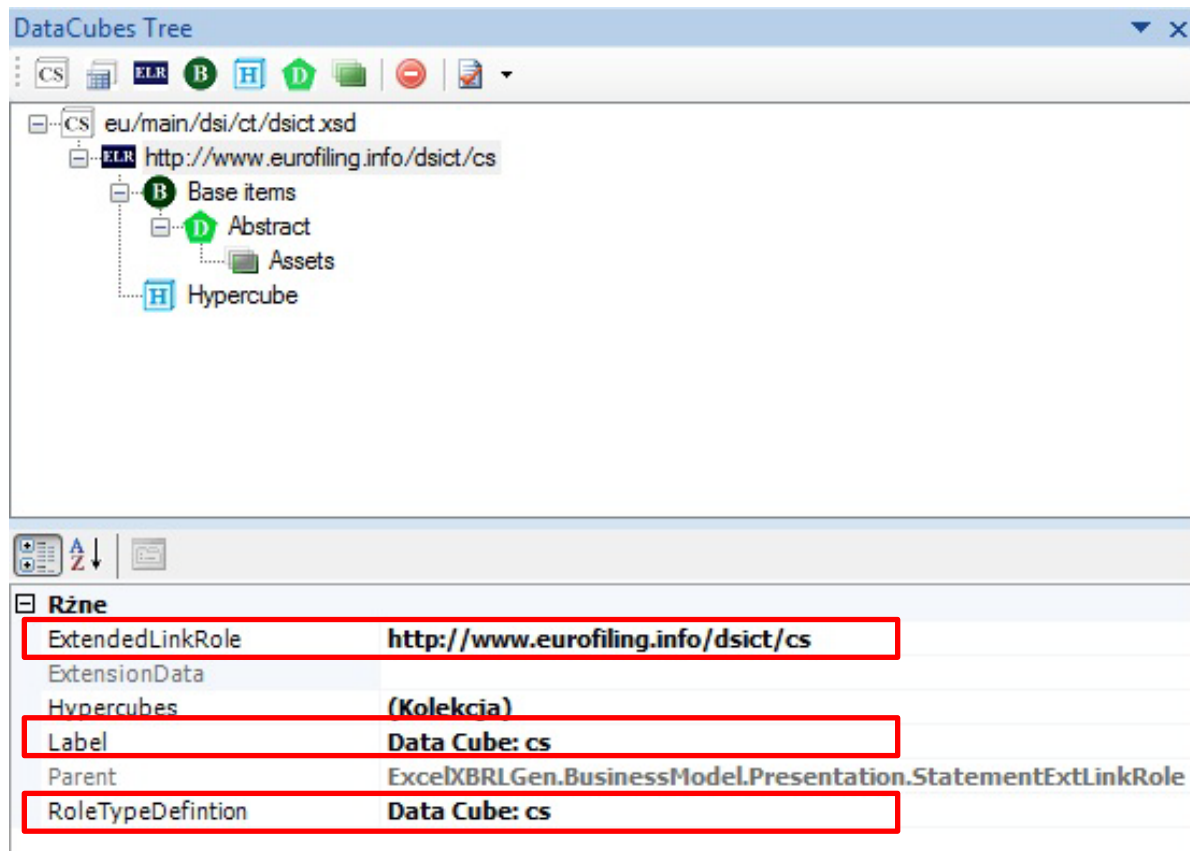
- ExtendedLinkRole: ELR name, displayed in Data Cubes Tree
- Label: expected to be used as generic label
- RoleTypeDefinition: roleType definition

Technical Extended Link Roles

ELRs in Data Cubes Tree include all full-structured Hypercubes (with dimensions and dimension members).

While model is exported to XBRL technical ELRs for additional Hypercubes, repeated dimensions are generated automatically in definition linkbase files.

Technical ELR:
http://www.eurofiling.info/dsict/cs_notAll_01

Role	XBRL: Id	XBRL: RoleURI	XBRL: Definition
Standard role	*StR_Id*	*StR_ELR*	*StR_definition*
Role of a separated dimension definition from the standard role	*StR_Id* + "_dim_" + *D_Id*	*StR_ELR* + "_dim_" + *D_Id*	*StR_ definition* + " (Dim: " + *D_Id* + ")"
Role of a separated HC definition from the standard role	*StR_Id* +" _notAll_" +*nn*	*StR_ELR* +" _notAll_" +*nn*	*StR_ definitione* + " - Exclusion " +*nn*
Role of a separated dimension definition from the technical HC role	*StR_Id* +" _notAll_" +*nn* + "_dim_" + *D_Id*	*StR_ELR* +" _notAll_" +*nn* + "_dim_" + *D_Id*	*StR_ definition* + " - Exclusion " +*nn* + " (Dim: " + *D_Id* + ")"

Adding a hypercube

- **Arcrole:** All/notAll - determines type of cube: including or excluding
- **ContextElement:** Scenario (set by default) or segment
- **Id** unique id given assigned to a hypercube
- **Label** displayed value in a data cubes tree, is a standard label (label layer)
- **Name** XML name in schema, is not required to be unique for different HC

Attribute @*closed* is set automatically while model is exported to XBRL:

@closed= ' false' for HC-notAll, @closed= ' true ' for HC-All

Adding breakdowns [1]

Adding breakdowns [2]

select a domain form a drop-down list

choose dimensions and domain members from selected domain

review all selected members

Adding breakdowns [3]

Rules:

- no hierarchy on the list of dimension members
- members in a dimension are not duplicated
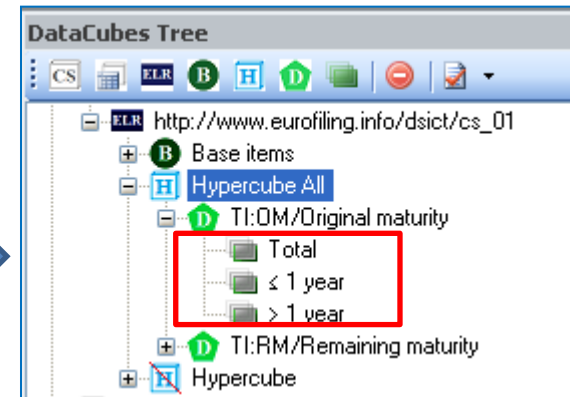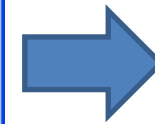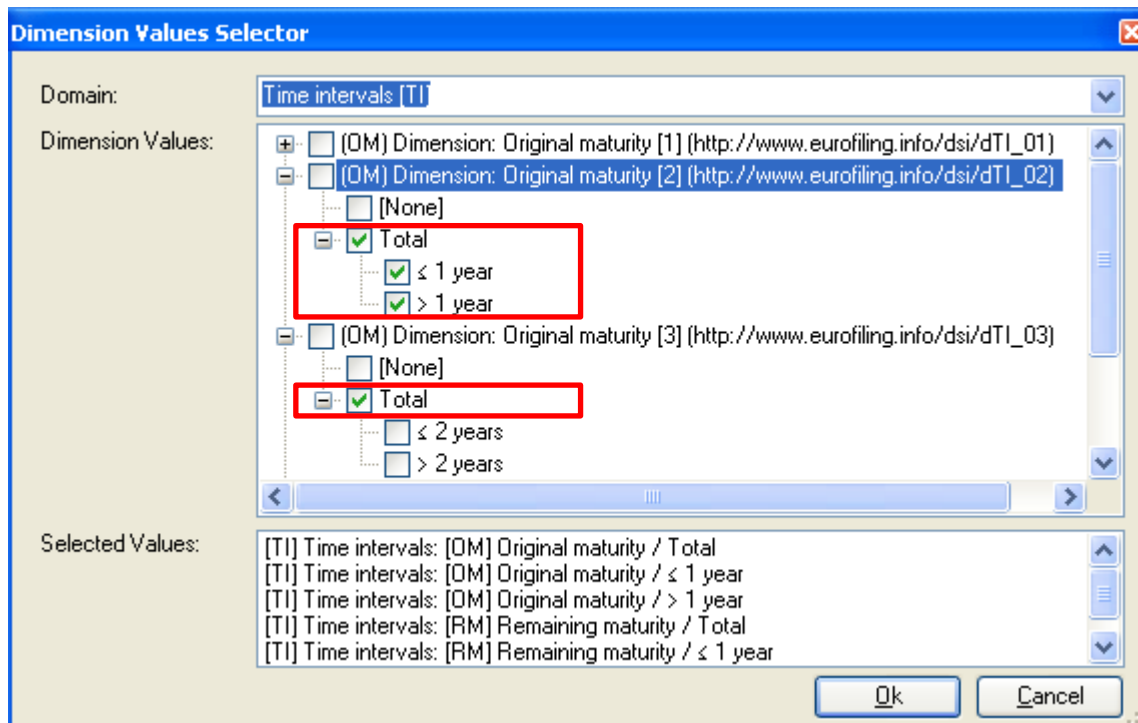
Adding a member to dimension

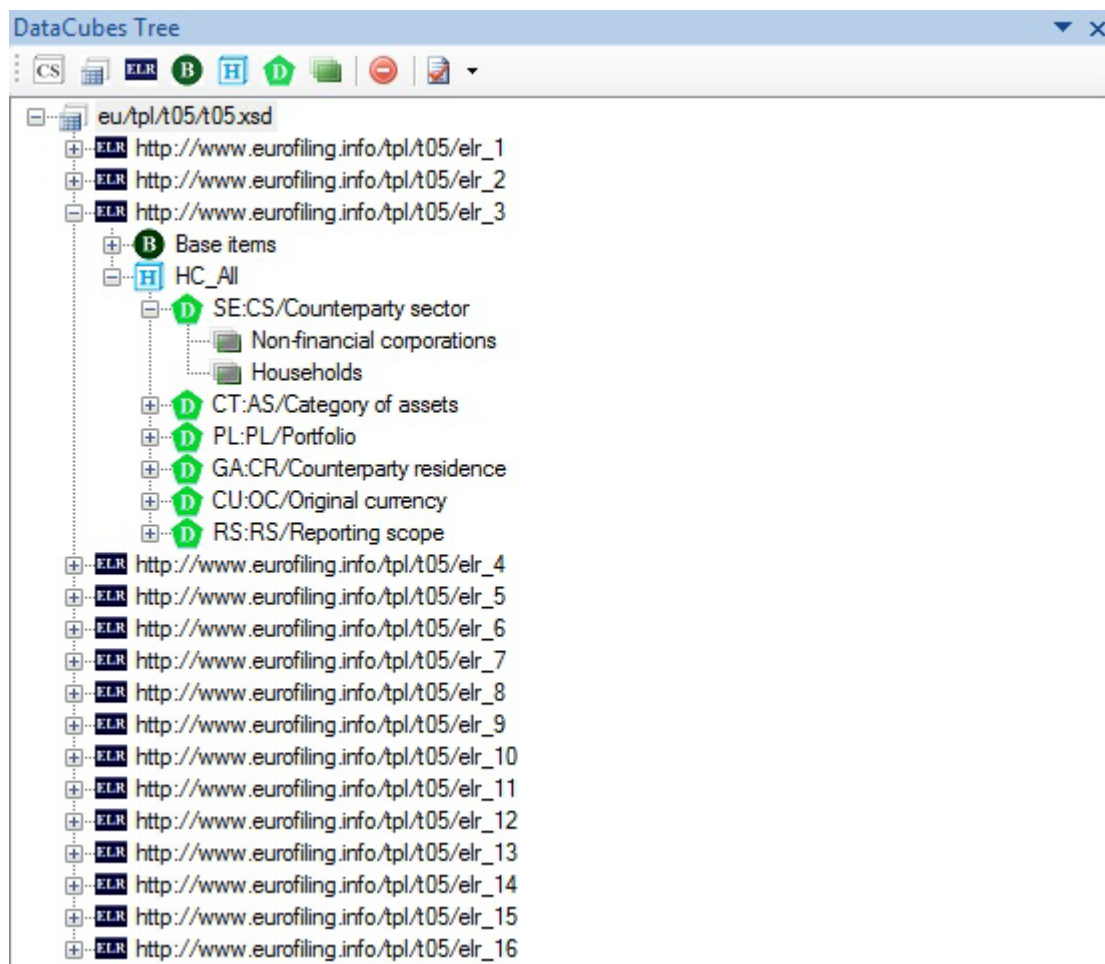# Adding a statement cube [1]

select a statement table from the list

Function generates statement cube for a selected statement table.

The list does not include statements for which statement data cubes have been already generated.

Adding a statement cube [2]

A set of ELR with hypercubes „All" is generated and covers all combinations of coordinates in the statement.

Adding selected cell as HC exclusion [1]

System gets coordinate values from selected cell and searches for ELR covering chosen value set.
Then new HC exclusion is added to ELR or, if possible, existing HC exclusion is modified

Adding selected cell as HC exclusion [2]

Added HC exclusion

message where HC exclusion has been added

message which HC exclusion has been modified

Additional features and rules of
Data Cubes Tree interface

Data cubes, roles, hypercubes, dimensions and members can be:

– copied/pasted/deleted

• Ctrl+C, Ctrl+V, Del

– dragged and dropped

Rules:

• items can be dropped only on upper level
• only new elements are added while copying (dimension members are not duplicated)

All operations can be reversed with Undo/Redo functions or using Ctrl+Z and Ctrl+Y.
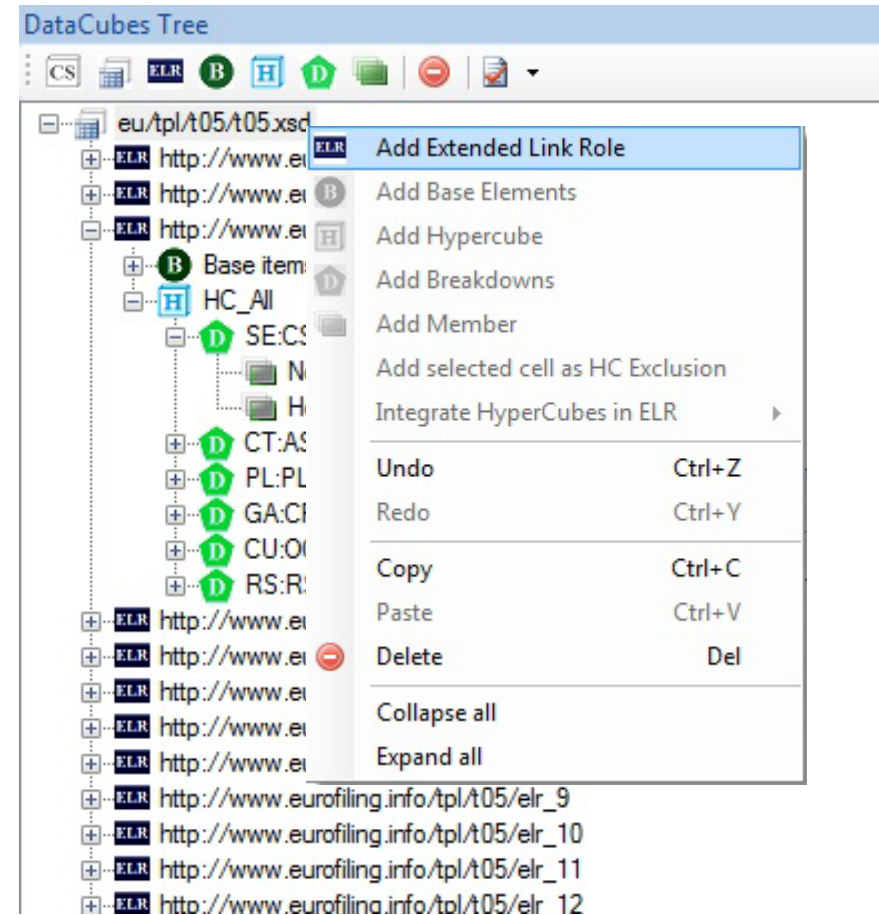
Integrating hypercube exclusions in a role
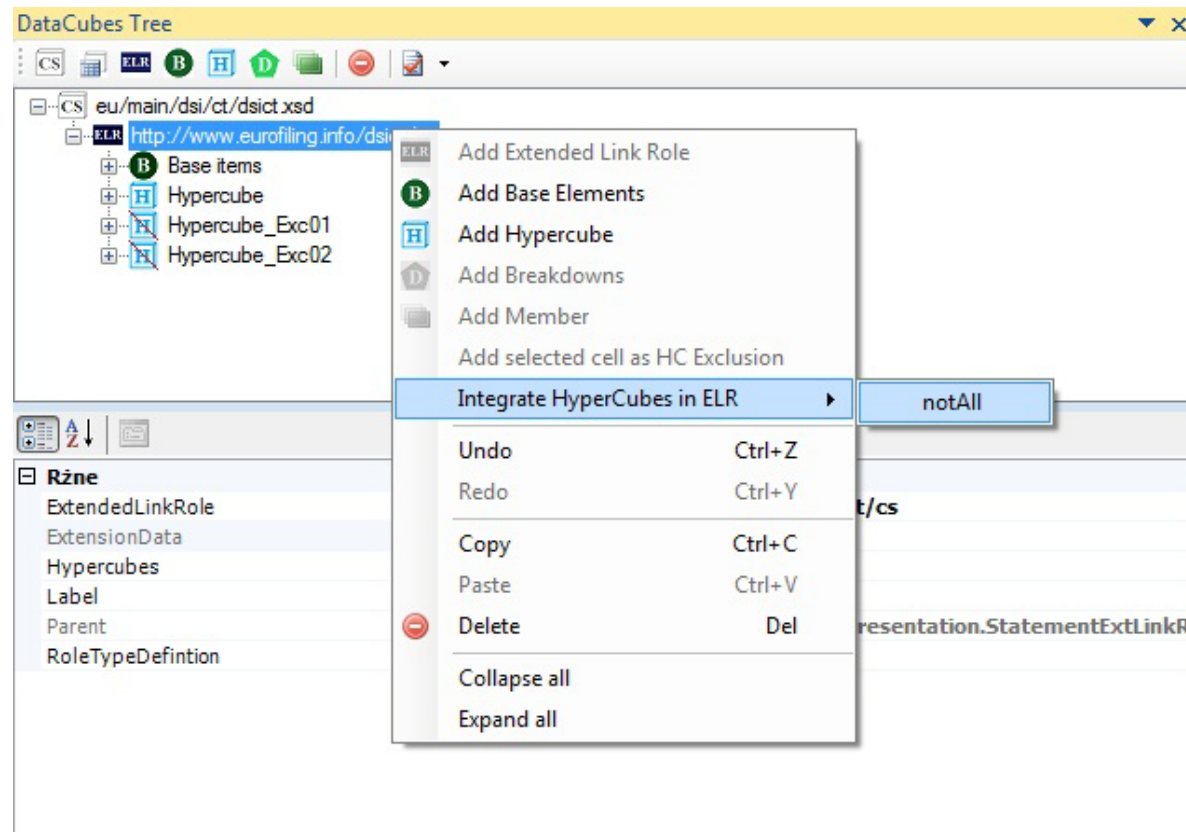
Function optimizes HC exclusions in ELR. Hypercubes are joined if possible.

Updating Items Attributes [1]
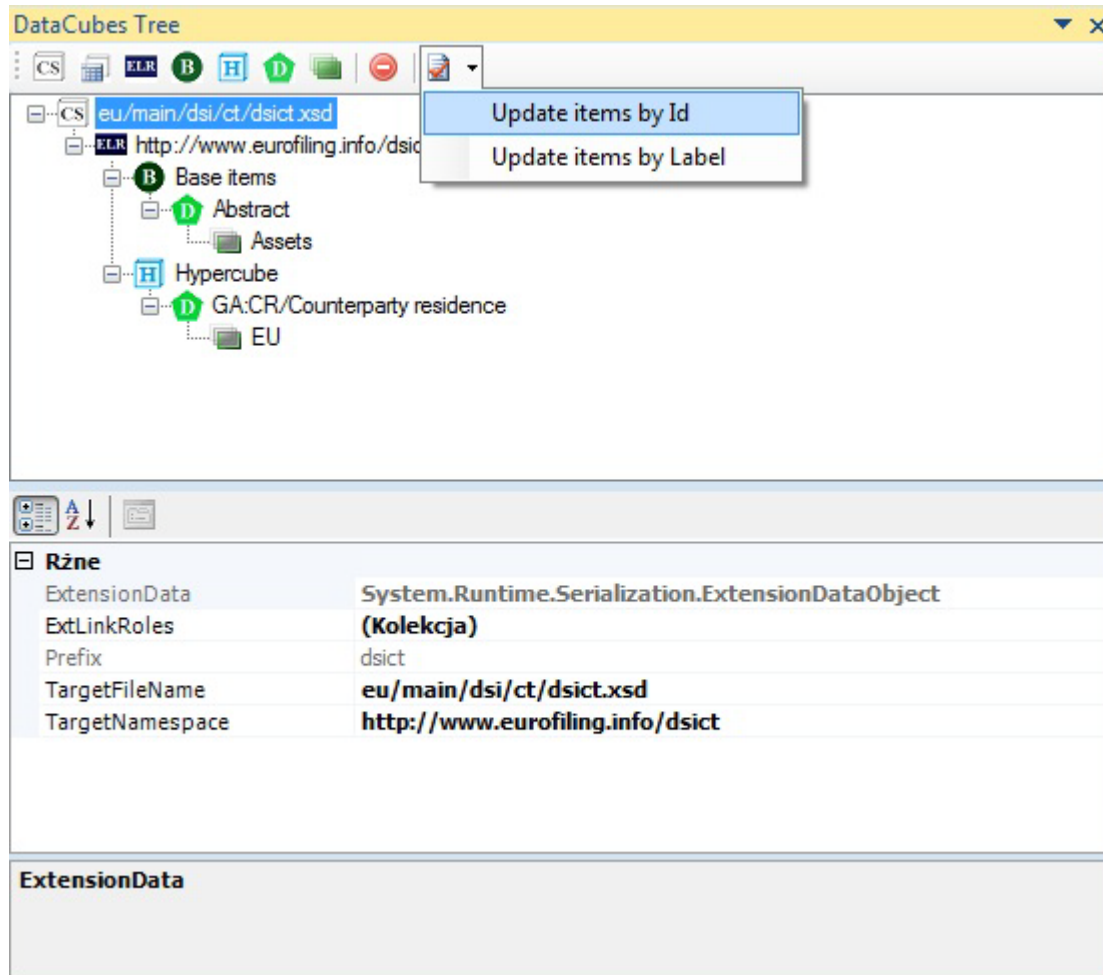
Changes in DataModel

(after reloading information from DPM Excel)

are not applied into data cubes definition (DataCubes Tree) automatically and need to be reconciled manually.

This function allows to find and eliminate discrepancies assuming that:

- items IDs
- items Labels

have not been changed.

Updating Items Attributes [2]
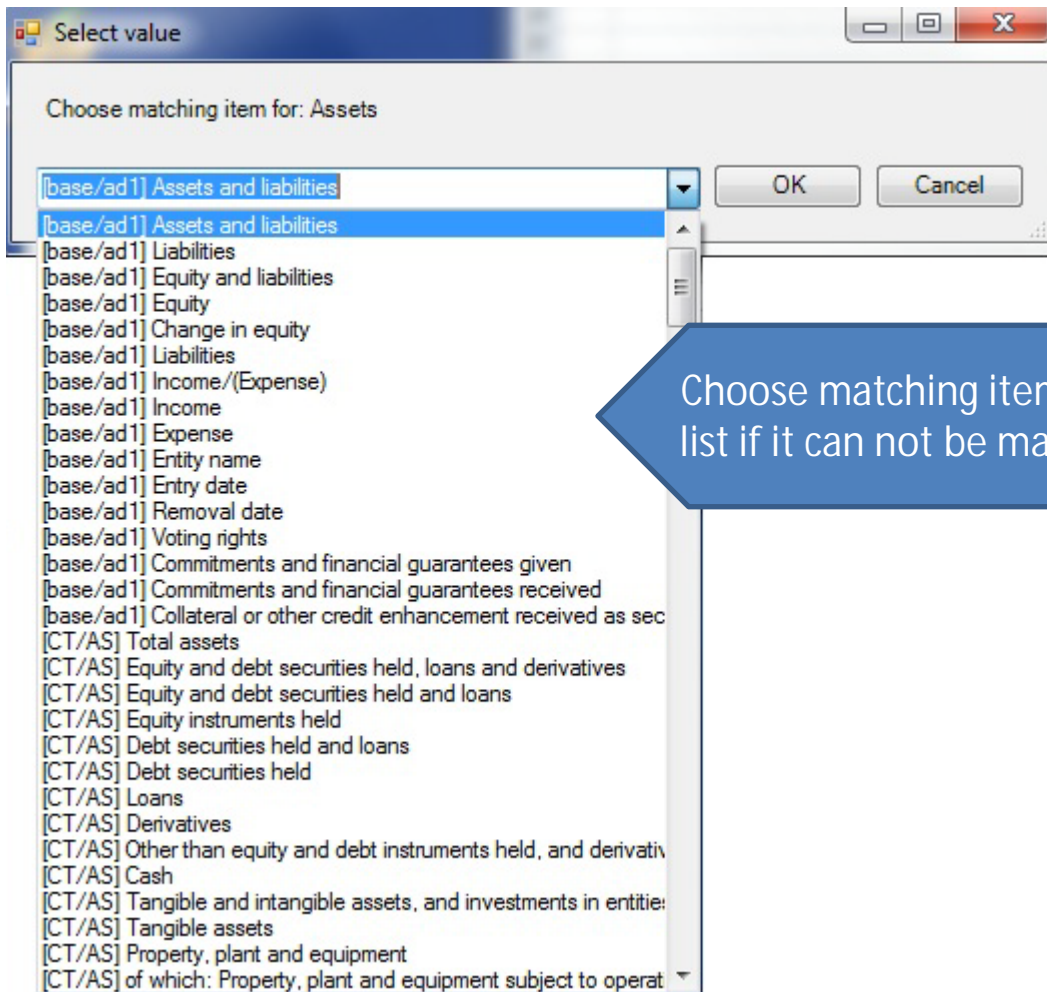
The tools automatically updates item values matched by Id or Label.

If no matching item is found, user can choose item manually from the current data model.

Choose matching item from a drop-down list if it can not be matched automatically

Parameters
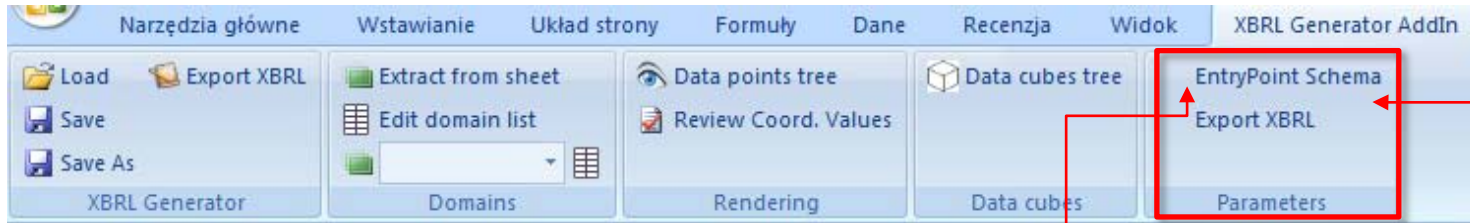
EntryPoint schema imports schemas of templates, data cubes, dimensions, base items

EntryPoint Schema Parameters

Target File	eu/entry.xsd
Target Name	http://www.eurofiling.info/entry
Prefix	eur
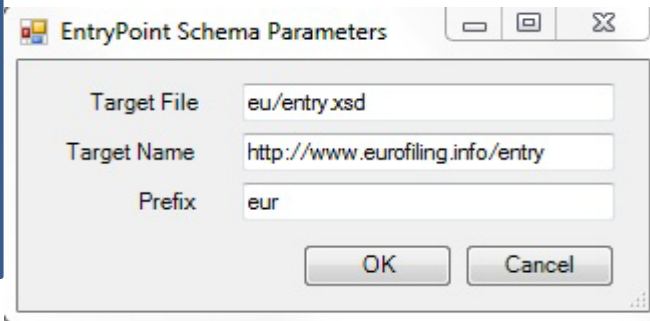
- Target File: file name of entry file
- Target Namespace: target namespace of entry
- Prefix: prefix used for target namespace identification

- Location: default output location
- Language: default output language

ExportXBRL: Default parameters

| Location | | Browse |
| Language | | OK | Cancel |
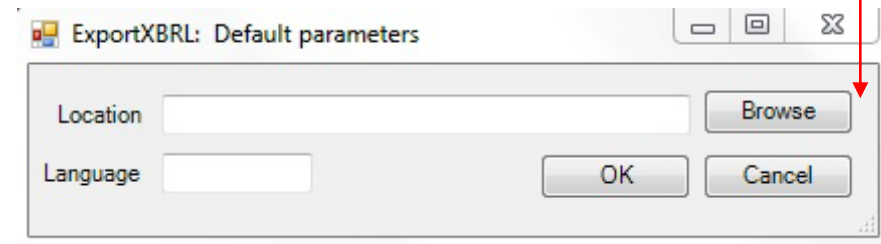
Exporting to XBRL

- select output language:
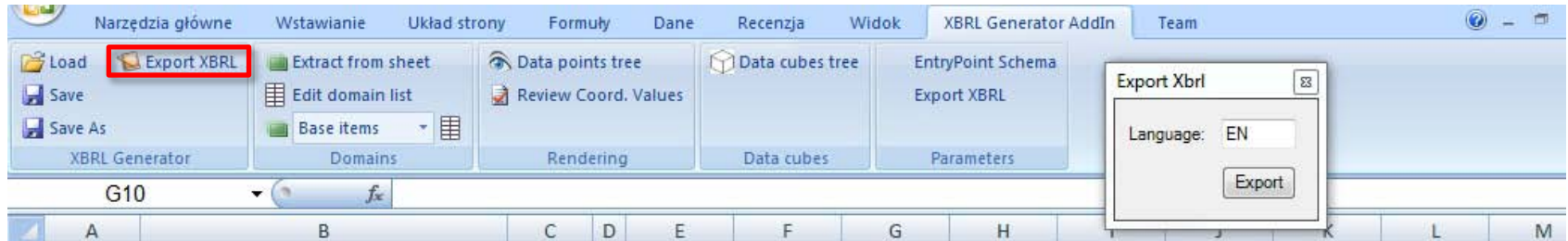
- select output location:
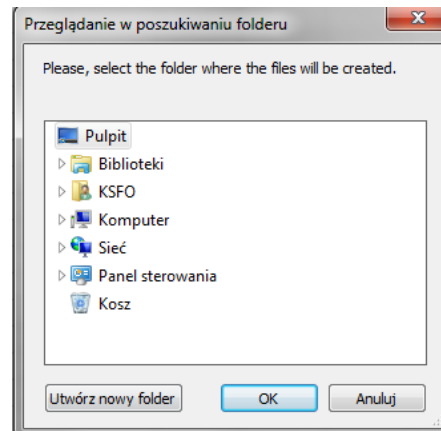
- files and folder structure for primary items, domains and dimensions generated according to the DPM Excel definitions (Domains specification)
- files and folder structure for template schemas and table linkbase generated according to the Data points tree interface
- files and folder structure for data cubes (complete scope and statement) generated according to the Data Cube tree interface

Try it yourself!

- Sample overview:
  http://www.eurofiling.info/finrepTaxonomy/EurofilingProofOfConcept.pptx

- Data Points Model:
  http://www.eurofiling.info/finrepTaxonomy/DataPointsModel.xlsx

- Original templates (tabels):
  http://www.eurofiling.info/finrepTaxonomy/OriginalTemplates.xlsx

- XBRL Taxonomy Generator load file:
  http://www.eurofiling.info/finrepTaxonomy/XBRLTaxonomtGenerator_SampleT03T05T07.zip

- Proof of concept taxonomy:
  http://www.eurofiling.info/finrepTaxonomy/taxonomy.zip

Questions: info@eurofiling.info

ExcelXbrlGen – *Add in* Taxonomy Generator

List of contributors:

- Augusto Ruiz, IECISA   augusto.ruiz [at] gmail.com
- Bartosz Ochocki, BR-AG   bartosz.ochocki [at] br-ag.eu
- Derek De Brandt, AGUILONIUS   derek.de.brandt [at] aguilonius.com
- Renata Fiedura, BSB   renata.fiedura [at] bsb.com.pl
- Víctor Morilla, BdE   victor.morilla [at] bde.es
- Wouter Van Sever, AGUILONIUS   wouter.van.sever [at] aguilonius.com
- Ignacio Boixo, BdE   ignacio [at] boixo.com

Licenses

EUPL European Union Public License