ExGen - XBRL Taxonomy Generator

Eurofiling Workshop

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ExGen - General information

ExGen was developed in order to facilitate creation of taxonomies according to the draft Eurofiling architecture out of the Data Points Model in MS Excel format

Main features:
- 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
- Excel Add in
- 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)

ExcelToXBRL Add In - Taxonomy Generator

List of contributors:

- Ignacio Boixo, BdE, www.bde.es
- Augusto Ruiz, IECISA www.ieci.es
- Bartosz Ochocki, BR-AG www.br-ag.eu
- Derek De Brandt, AGUILONIUS
- Renata Fiedura, BSB. www.bsb.pl
- Víctor Morilla, BdE. www.bde.es
- Wouter Van Sever, AGUILONIUS

Licenses

EUPL European Union Public Licence

Openfiling website

- ExGen installation files

- Source codes

- Presentation - user guide

- Installation guide

www.openfiling.info

ExGen User Interface

Demonstration

Thank You ….

Renata.Fiedura@bsb.pl