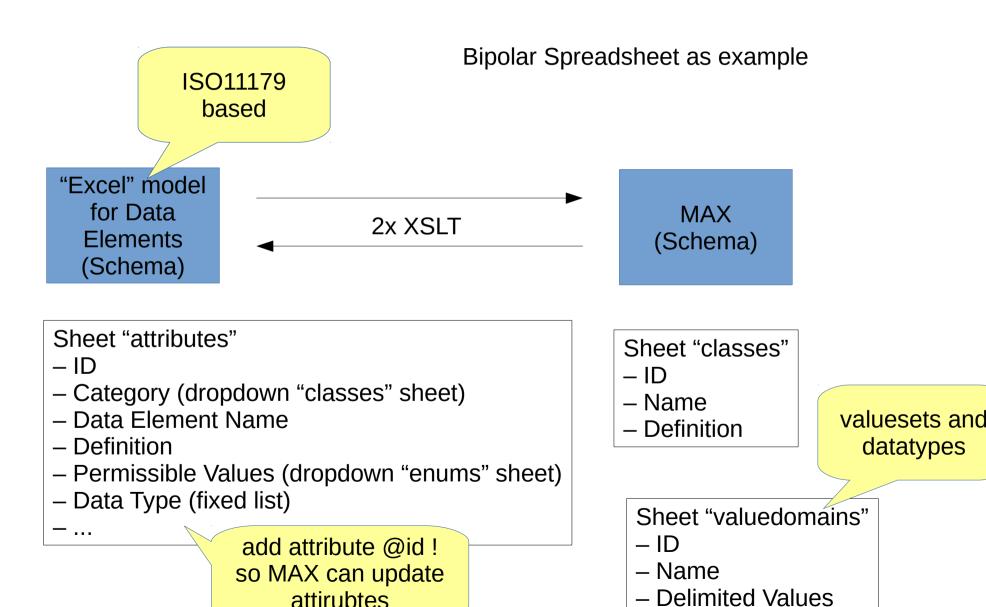
Use MAX Data Elements (ISO11179) Excel spreadsheet ↔ EA roundtrip

From Atlanta 2015 WGM

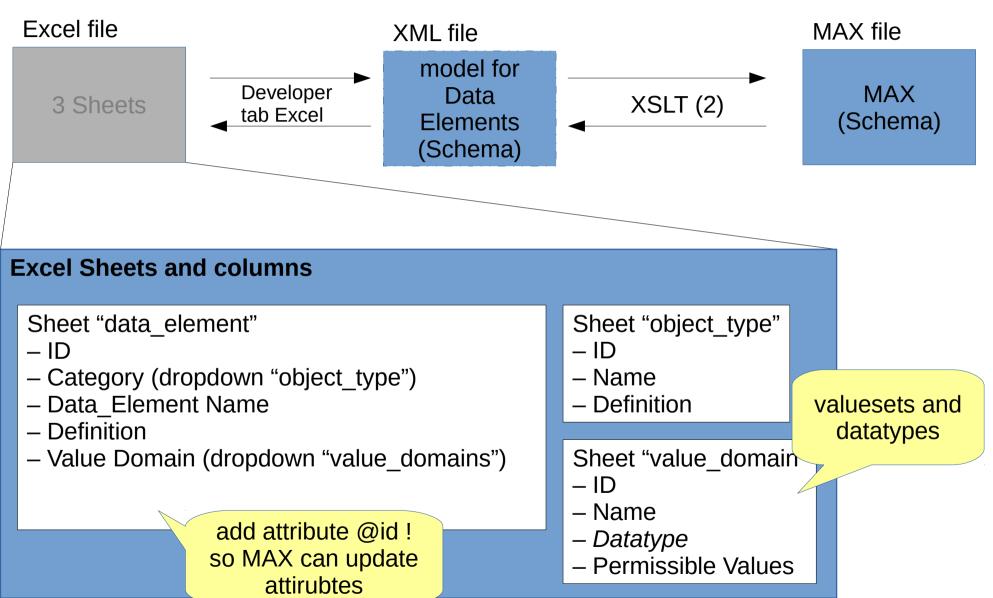
Spreadsheet



ISO 11179

- Object_Class (class) has Data_Elements (attributes)
- Data Element is concrete version of generic Property
 - if Object_Class = "Person" and Property = "Age" a
 Data_Element is the Age of a Person
 - is part of Object_Class
 - has Value_Domain for values
- Value_Domain has datatype
 - specific Enumerated_Value_Domain with Permissible_Values
 - or Described Value Domain

ISO 11179-3 Registry Metamodel based



Make spreadsheet XML/MAX compatible

- Create spreadsheet and XML map left to right all columns to MAXSchema(_dataelement).xsd
- Insert extra columns that are in the source spreadsheet
 - Then export works with not mapped columns, if you insert extra columns before mapping the export wo'nt work.
- Remove merged cells / rows
- Paste in all cells values only ctrl-alt-v
- Change header labels
- Re-apply any formatting (don't do merge cells etc)

N.B. Use ValueSetName as DataType!
No need for the ValueSetName column.
Spaces are allowed!

 Import in EA, create diagram and add relationships, they stay in when update is done!

Issue: Update in EA gives Exception.

Update of attributes seems to be the problem. WORKAROUND implemented

MAX (cont)

- Open a cmd-line
 - MAX requires SAXON9.NET so you have command line tools available to work with XML / XSLT!
- From excel to max
 - Transform -s:bpd.xml -xsl:excel-de-to-max.xslt -o:bpd.max.xml
- From max back to excel
 - Transform -s:bpd.max.xml -xsl:max-to-excel-de.xlst -o bpd.xml

