HL7 MAX 2013
Model Automation Exchange

Tue Q6 Tooling evening
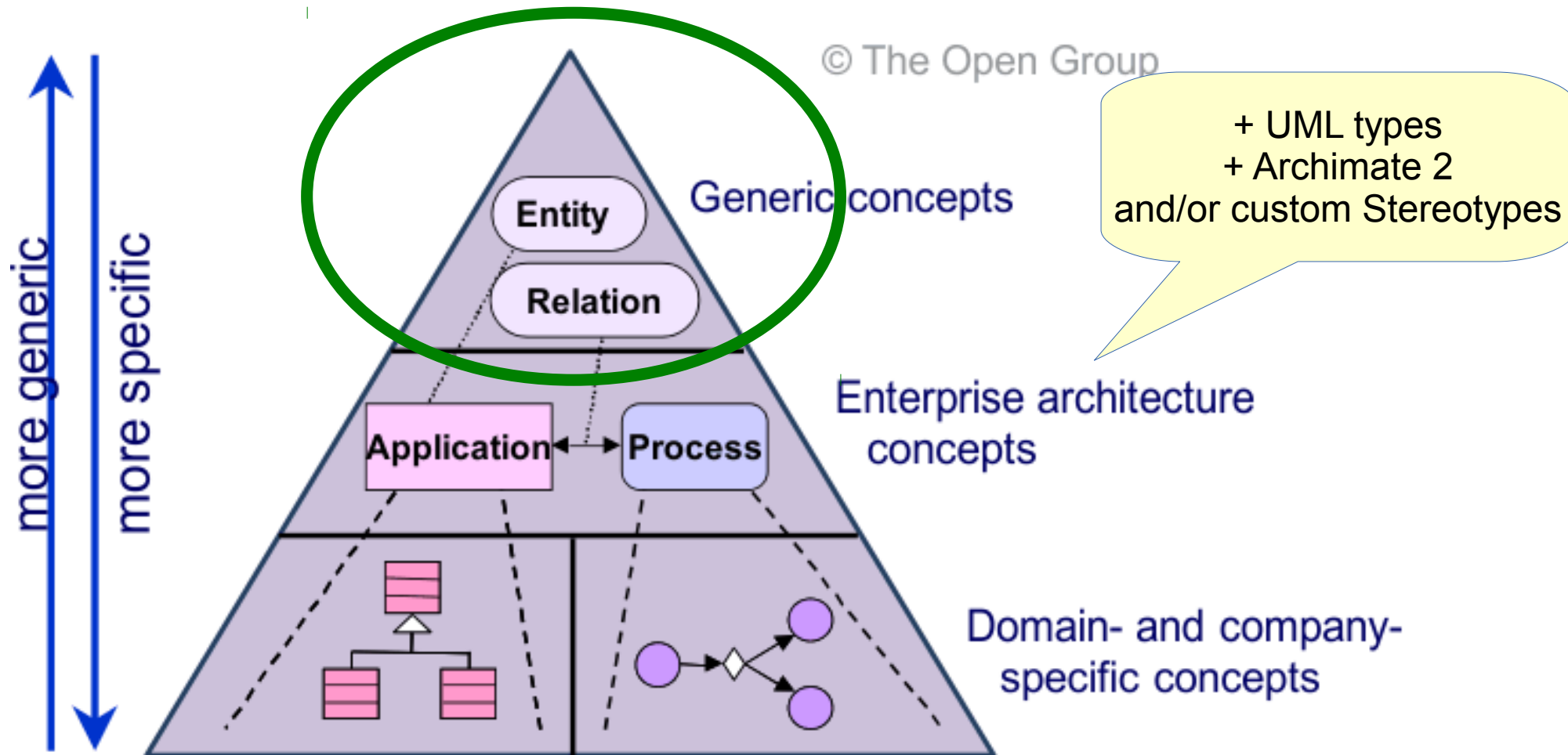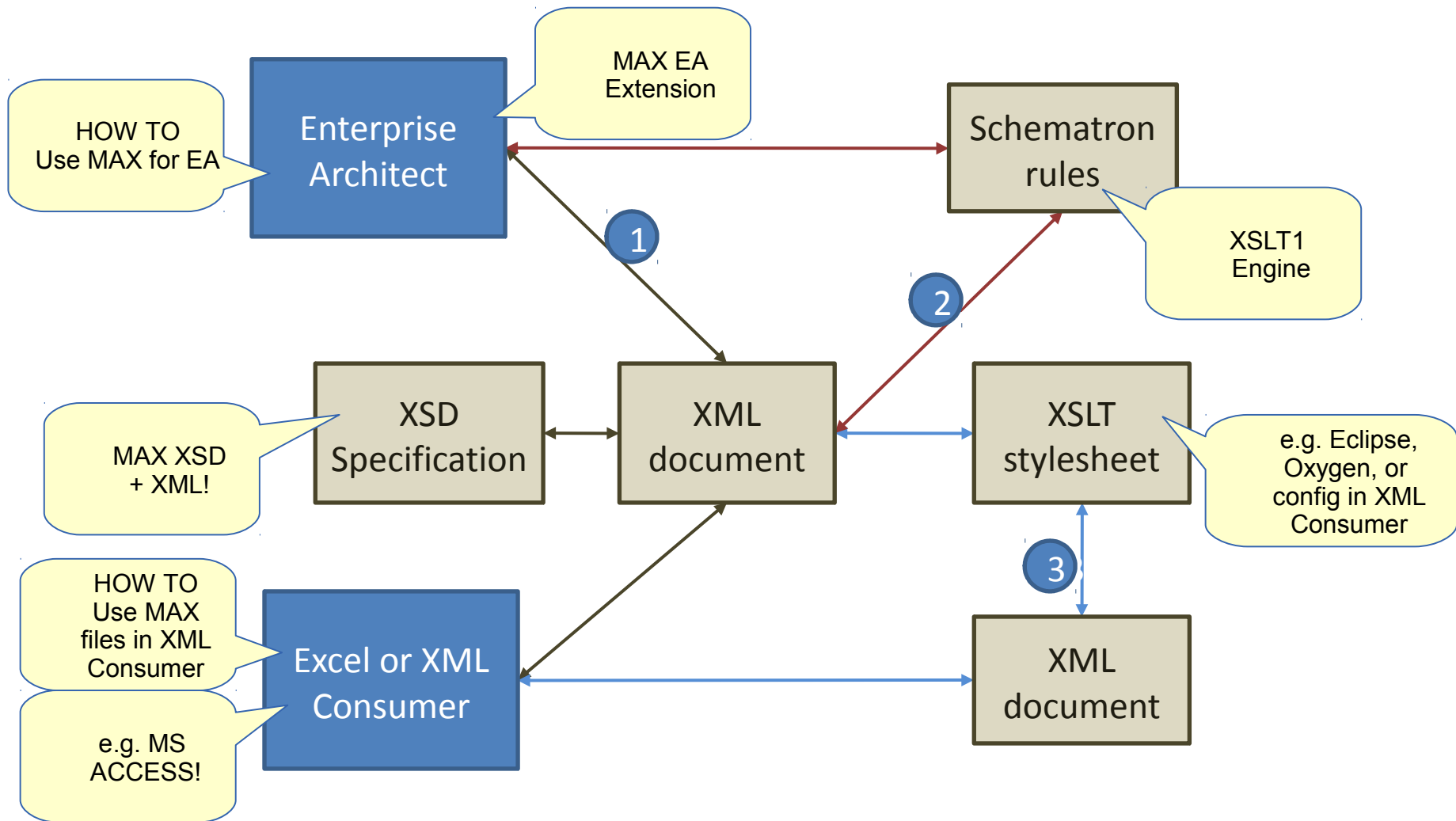
Michael van der Zel

MAX

- Requirements
- Spreadsheet vs Modeling tools
- MAX Schema
- Schematron for Validation Rules
- Applications
- Sparx EA
- Investigating BIZZDesign, MAX <> Ecore

Startpoint

- Goal: interface for model exchange between tools

  – Modelling tools, spreadsheet, database, sharepoint lists, etc. etc.

- XMI was meant for that, but that did not work

- XMI also doesnot import well in a spreadsheet

Positioning

Enterprise Architect

MAX EA Extension

HOW TO Use MAX for EA

Schematron rules

XSLT1 Engine

1

XSD Specification

MAX XSD + XML!

XML document

2

XSLT stylesheet

e.g. Eclipse, Oxygen, or config in XML Consumer

3

HOW TO Use MAX files in XML Consumer

e.g. MS ACCESS!

Excel or XML Consumer

XML document

1. EA and Excel can both **import** and **export** xml based on a schema.
2. We might define rules for validating model elements; the tool might use these rules and feed the results into EA.
3. We can also define transforms to process the output before or after presenting it to stakeholders.

Thanks to Jay Lyle and CIC WG

Uses

- EHR-S FM Validation and Publication
- *DCM Validation and Publication*
- DATProv LBGM import (XSLT)
- Hugh Glover
- UMCG Application Landcape GraphViz output
- MIF2's into UML (XSLT)

EHR-S FM

- Up to R2 the master was a spreadsheet model
- Phase 1 of the Profile Tool project was to get the FM in UML
  - Search, Browse, Traceability, Views (Diagrams and Documents)
  - Validating & Exporting using MAX
- Phase 2 (started now) is about creating Profiles using the tool

More information (needs update)
http://wiki.hl7.org/index.php?title=MAX_-_Model_Automated_eXchange

Sources and MSI will be @Gforge soon
http://gforge.hl7.org/gf/project/max/