

# Technical work at sprint

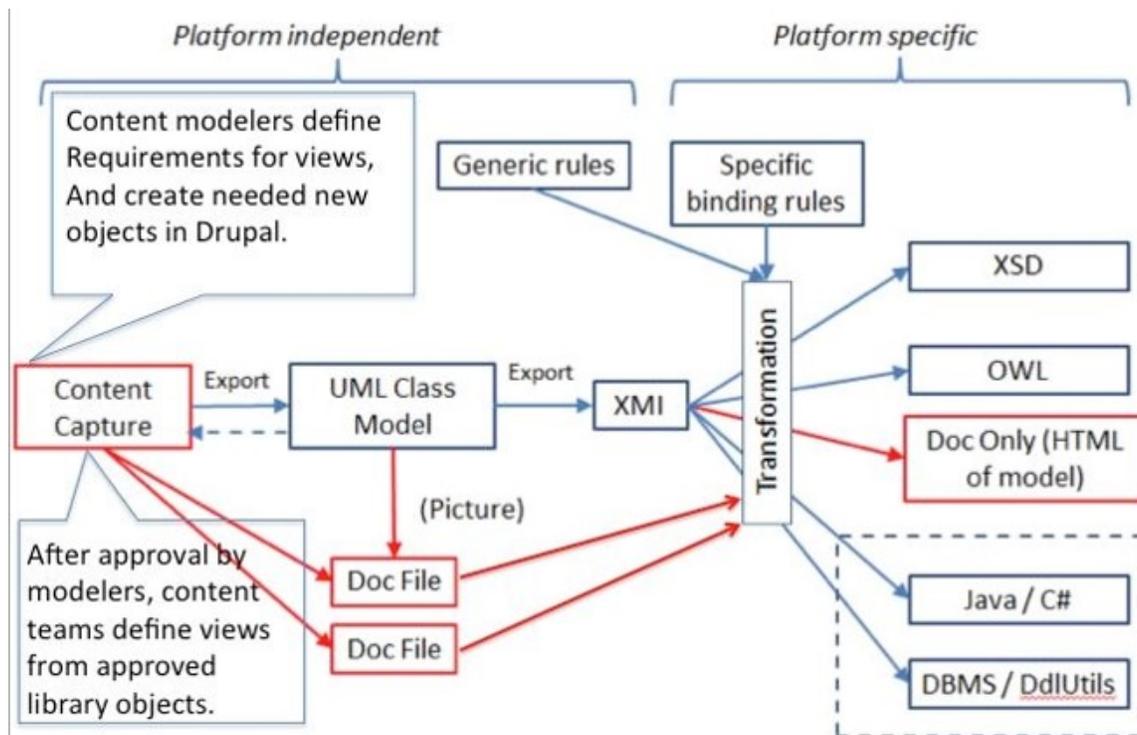
[Link to Tools Support Team page](#)

## New visualisations (Franck)

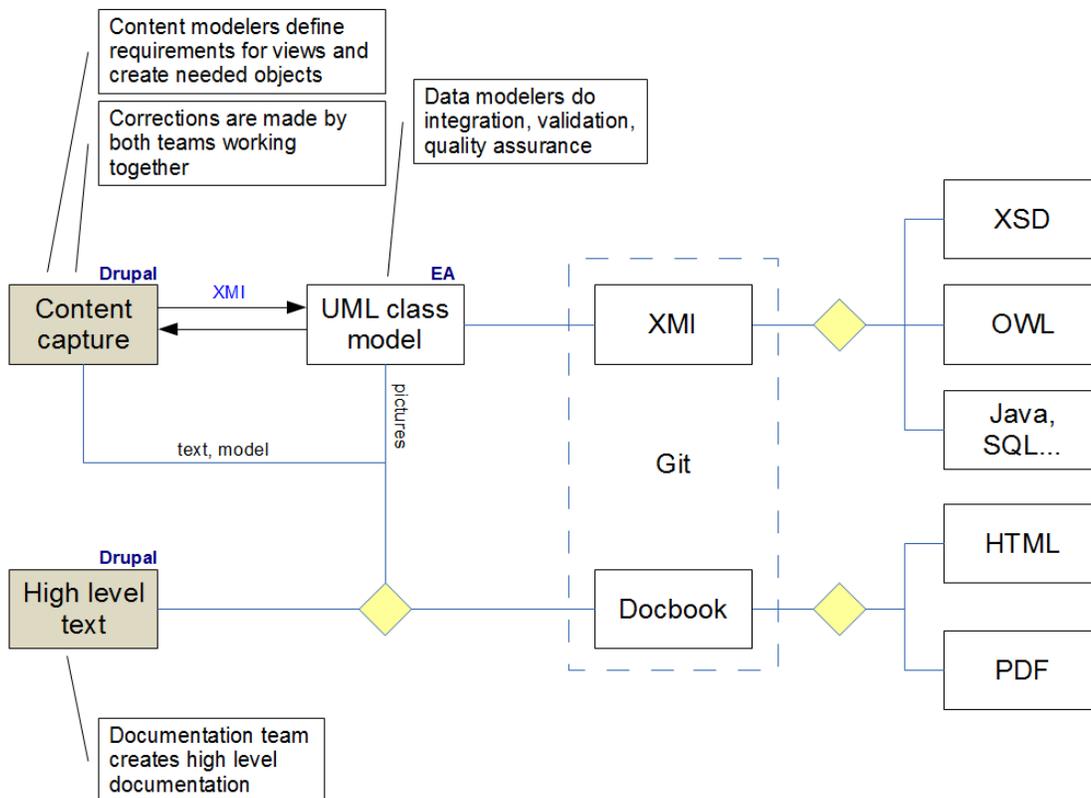
DDI 4 Process.odp

DDI 4 Process.pdf

## Old production workflow Vancouver – DEPRECATED!!!



## New production workflow Toronto



Content Capture is Drupal; this is the source of truth until all content modelling is complete. UML Class Model is EA, which becomes the source of truth once the content modelling is finished and been OK'd by the first review with the modelling team. Drupal must always be kept in synch with EA - this means we need to update packages for each object in library, and any other changes.

## Plan of Attack

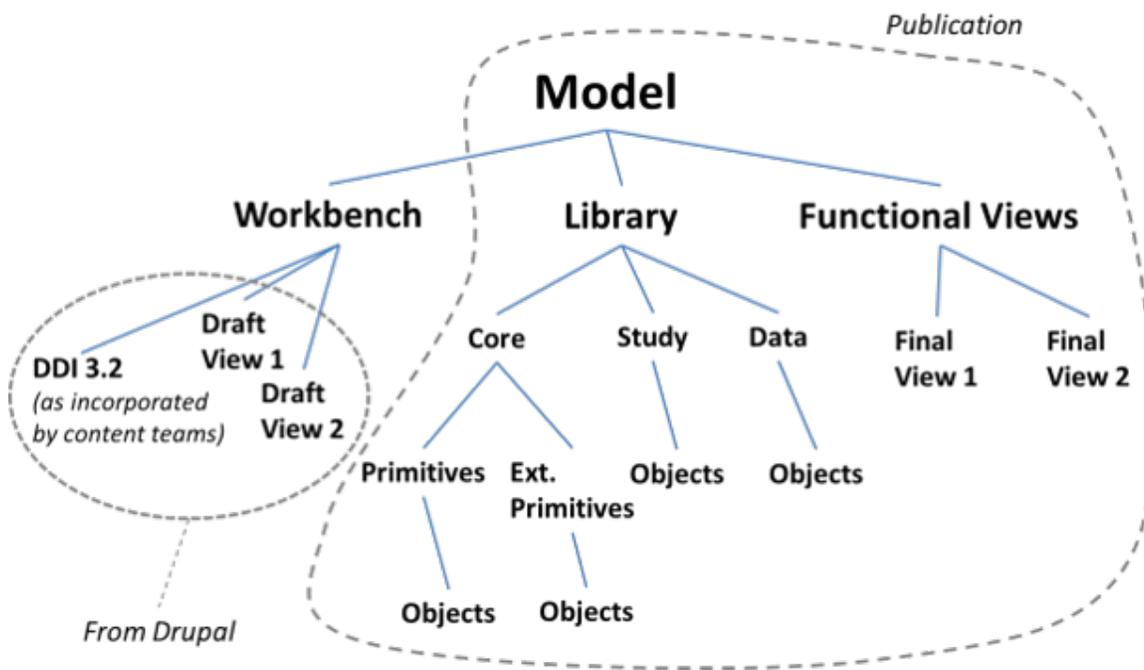
1. Achim to take issues 5 and 6, and get XSLTs, mapping docs, and issues list(s) up on Wiki ✓
2. Exploration of XMI and EA documentation flows in and out - can EA/XMI handle inline DocBook?
3. Table issues 1, 2, 7, 9, 10, and 11 for now.
4. Based on outcome of step 2, address the documentation-related issues (3, 4, and 8): <http://www.eadocx.com/>
5. XMI export from Drupal seems dodgy - investigate!

## Issues

Goal for this week is to do a prototype production run on some part of the model, to test the process!

- + Issue 1: How do we round trip package library locations for object from EA back into Drupal
- + issue 2: what happens in model integration - assignment to packages, collapsing objects
- + issue 3: documentation - what diagrams are needed, what do they look like

- + issue 4: what is the documentation flow from drupal to EA
- + issue 5: xmi to OWL (validate it) - document as well as tool, Issue 6: xmi to xsd (validate and complete transform) - document as well as tool
- + Issue 7: DocBook profiles for all documentation outputs to be identified
- + Issue 8: Identify exact workflows for all documentation outputs
- + Issue 9: Identify people and resources for each product, so we understand how much work it will be
- + Issue 10: Discuss non-XSD, non-OWL products (SQL, Java, C#) and prioritize
- + Issue 11: Discuss how to formal record mappings to other standards (at level of model, at level of XSD, at level of OWL)



## Narative

DDI4 is the Model

The Model is divided into:

- The Library
- Functional Views

The Library is made of UML Packages

- The Core Package is made of Primitives and Extended Primitives

Primitives and Extended Primitives are Objects

Extended Primitives are based (specify) on Primitives

- The other Packages are made of sub-Packages or Objects

Functional Views are also UML Packages and are made of references to Objects of the Library or constraints applied to Objects of the Library. A Functional View cannot be included in another.

## Products

This is a revised list of what products will be released:

Whole Model:

1. A PDF specification of the entirety of DDI 4. (Needs high-level documentation)
2. An EA file containing DDI 4 (also the XMI)
3. HTML documentation for DDI 4 (Needs high-level documentation)  
For each Functional View:
  4. PDF specification of the view (Needs high-level doc)
  5. XSD for the View (with field-level documentation inline)
  6. Clickable XSD documentation (created using the same tool as other versions of DDI-Lifecycle)
  7. View OWL (in TURTLE?) - field level doc as comments
  8. View HTML documentation for OWL
  9. View model documentation in HTML
- Tools:
  10. The production framework itself as a toolkit for those making their own views.

Note that this is a list of technical deliverables - #1 is the most comprehensive and authoritative document from a standards perspective. From a communications perspective, the views will likely be more important, since the deliverables around the whole model are intended for those making their own views.