

# A Workflow Proposal for Collaboratively Defining W3C Abstract User Interface

**Jean Vanderdonckt**

Louvain Interaction Lab. - Louvain School of Management  
Université catholique de Louvain

Place des Doyens, 1 – B-1348 Louvain-la-Neuve, Belgium

[jean.vanderdonckt@uclouvain.be](mailto:jean.vanderdonckt@uclouvain.be) – <http://www.uclouvain.be/jean.vanderdonckt>



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# Aims and goals

- ✓ To collaboratively define a reference model for Abstract User Interface
  - ✓ By relying on collective intelligence
  - ✓ Based on respective experience
  - ✓ By collecting entries from **all** contributions
  
- ✓ The name
- ✓ The workflow
  - ✓ Method and steps
  - ✓ Software support



# The name

- Reference model for Abstract User Interface
  - No longer XYZ-XML
  - Model Interchange Format (MIF)?
  - Interaction Modelling Interchange Format (IMIF)?



# The method

- **Step 1. Comparison table for major concepts**
  - In order to foster mutual understanding
  - In order to indentify correspondences
    - Similarities
    - Differences (syntactical, semantic)
      - Homonymy, Synonymy,...
  - To be validated by each contributor
  - 3 vertues [Beaudouin-Lafon, 2004]
    - Descriptive
    - Comparative
    - Generative



# The method

- **Step 2. Identify concepts by order of importance**
  - Draw a list of major concepts by decreasing order of importance
    - AUI model
    - Abstract Interaction Unit (AIU)
    - ...
  - Concept first, relationships after

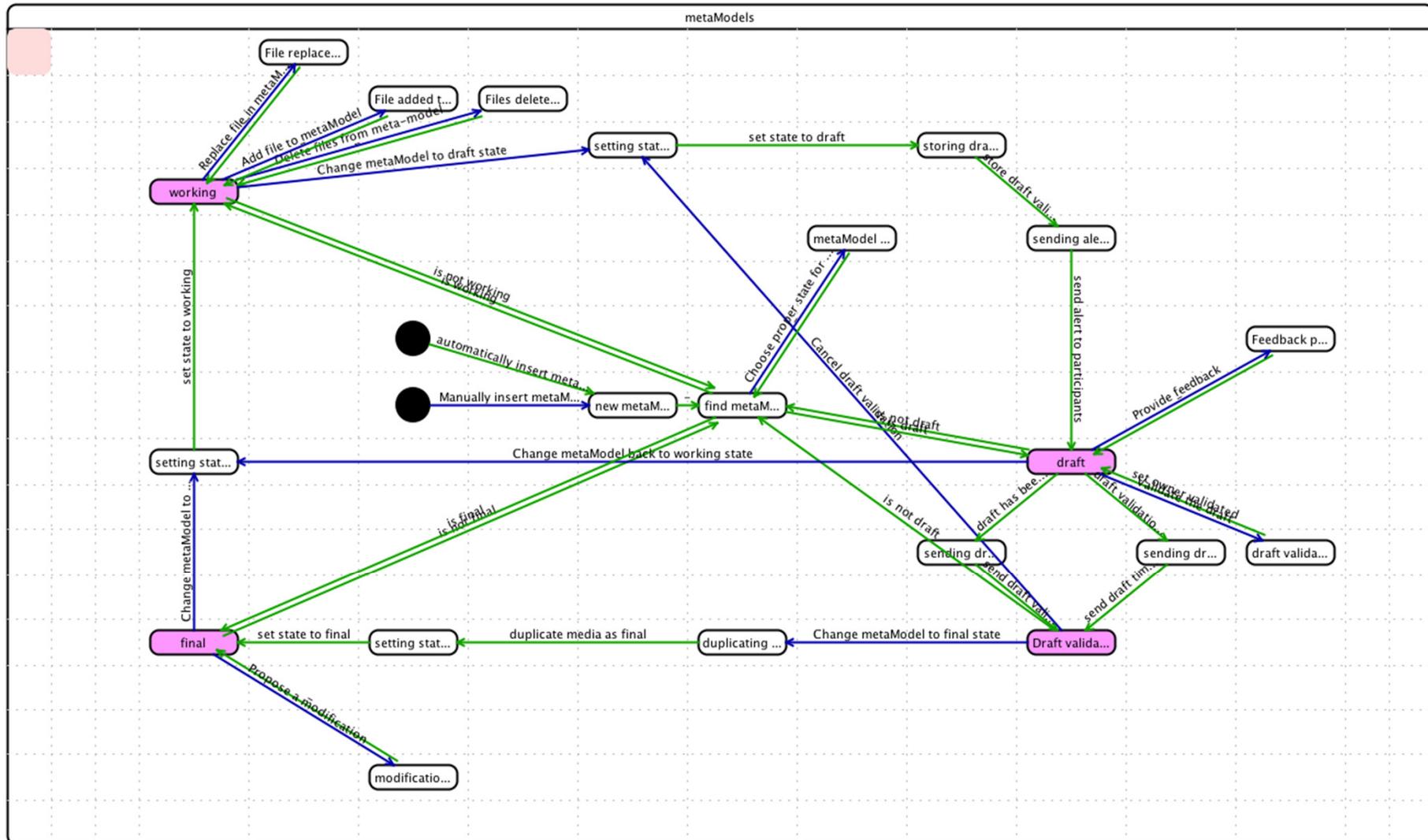


# The method

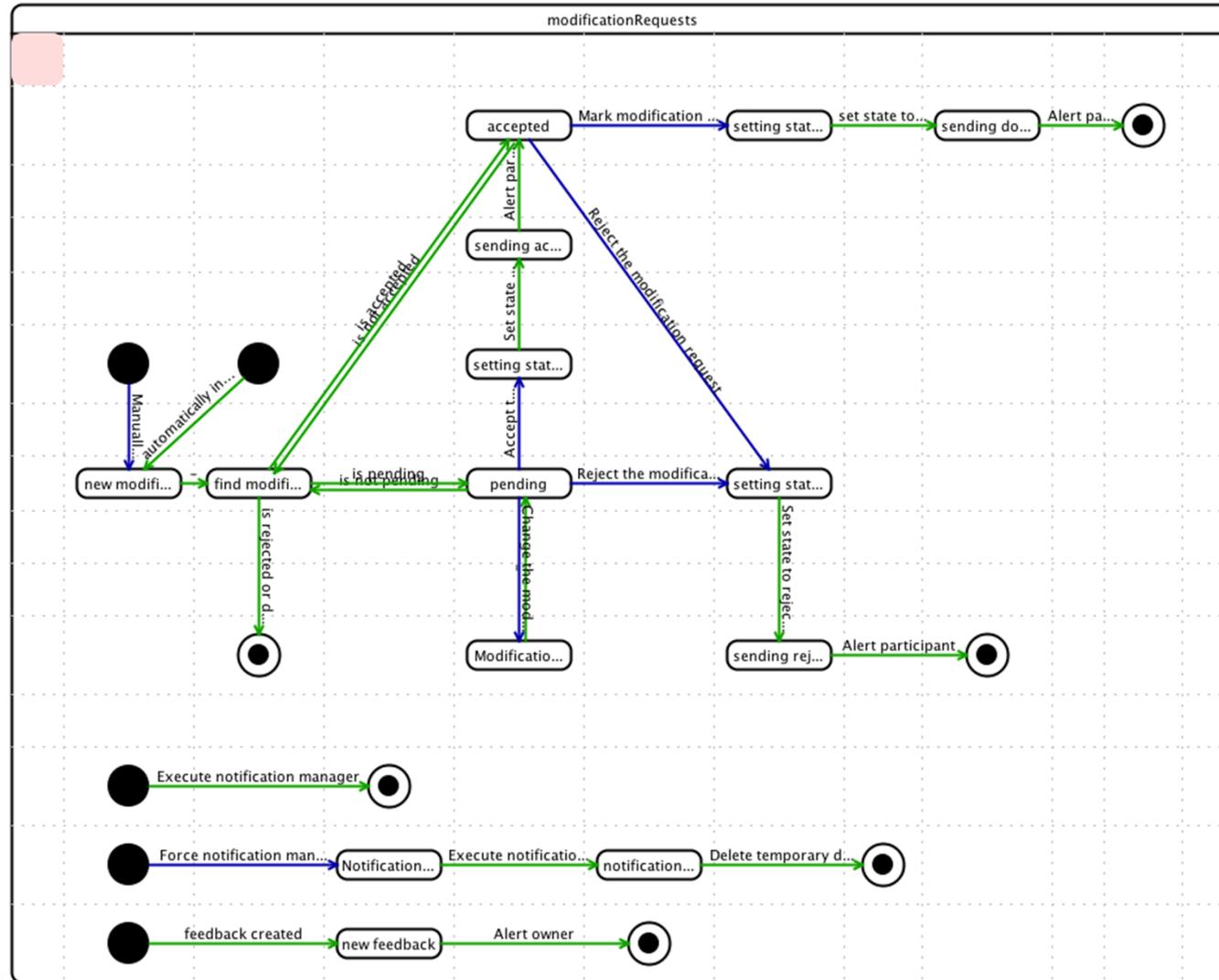
- **Step 3. Define each concept**
  - For each concept
    - Propose a new definition that should encompass all existing ones
    - Define properly the attributes
    - Provide at least 3 examples
      - One simple example for understanding
      - One moderately-complex example for variation
      - One complex example for scalability
    - Reach the consensus
    - Validate the definition
    - Document everything



# The workflow



# The workflow



# The workflow

See demo at <http://www.youtube.com/watch?v=77vQoSaO3q4>



Extranet UsiXML

The screenshot shows a web interface for 'Méta modèles'. On the left is a navigation menu with links for 'Informations personnelles', 'Modifier le mot de passe', 'Méta modèles', 'Mes tâches', and 'Aide'. The main content area shows the breadcrumb 'Vous êtes ici: Accueil / Extranet / Méta modèles' and the title 'Méta modèles'. Below the title is a checkbox labeled 'Afficher uniquement les méta-modèles qui m'appartiennent ou auxquels je participe', which is checked. A table lists six meta-models with columns for 'Meta model', 'État', 'Propriétaire', 'Dernière modification', and 'Demandes de modification'.

Meta model	État	Propriétaire	Dernière modification	Demandes de modification
<a href="#">Modèle test 1</a>	Final	Renaud Michel	7 oct. 2011 16:25	
<a href="#">Modèle test 2</a>	Draft	Mohamed Boukhebbouze	10 oct. 2011 11:22	
<a href="#">Modèle test 3</a>	Draft	Mohamed Boukhebbouze	7 oct. 2011 15:59	
<a href="#">Modèle test 4</a>	Final	Two User	26 août 2011 12:09	2 en attente
<a href="#">Modèle test 5</a>	Final	Renaud Michel	21 sept. 2011 10:16	
<a href="#">Modèle test 6</a>	Final	Two User	26 août 2011 12:10	

Development & Web design by [defimedia](#), powered by [AToms](#).  
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# Other aspects, questions?

- ✓ Links with use cases and requirements
  - ✓ UC1, Req1
  - ✓ UC2, Req2, Req3,...
- ✓ Time frame, schedule?
- ✓ Next F2F meeting: proposal last week of May 2012 in Valencia?
- ✓ ...





# Louvain Interaction Laboratory (LILab)

Place des Doyens, 1 – B-1348 Louvain-la-Neuve, Belgium

<http://www.lilab.be>, <http://www.lilab.eu>, <http://www.lilab.info>



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