



MAPPER

Model-based Adaptive Product and Process Engineering

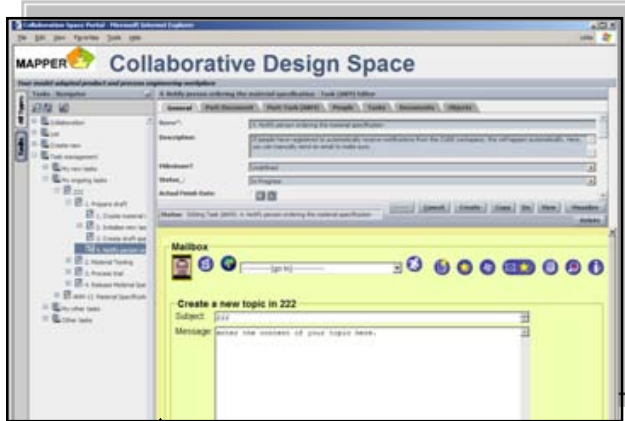
Infrastructure Integration

Work Package 5 and 6

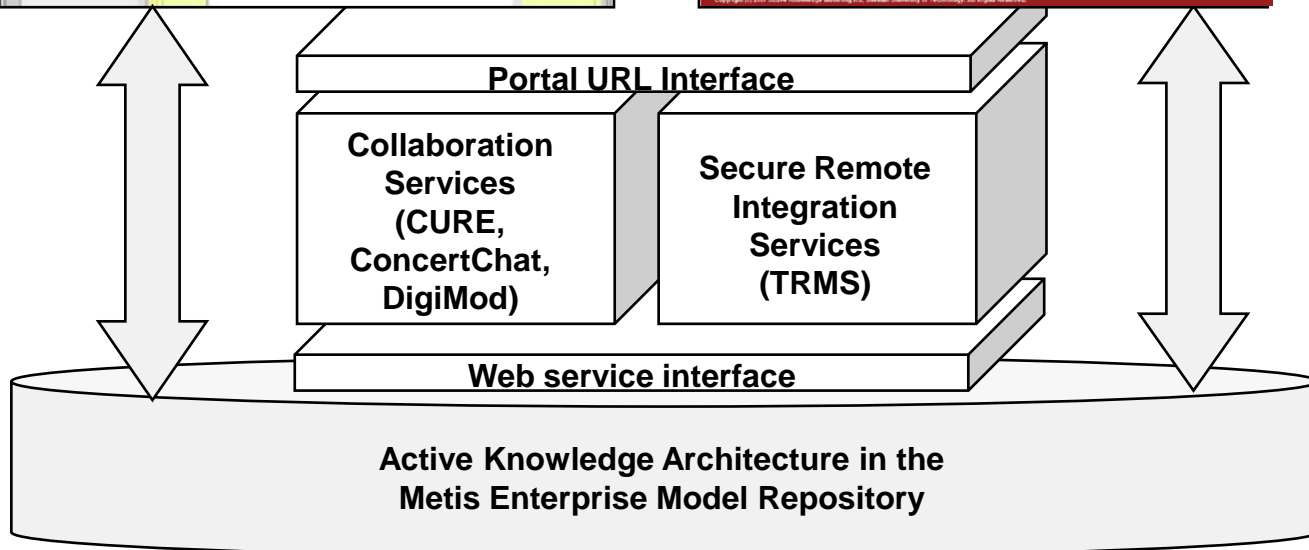
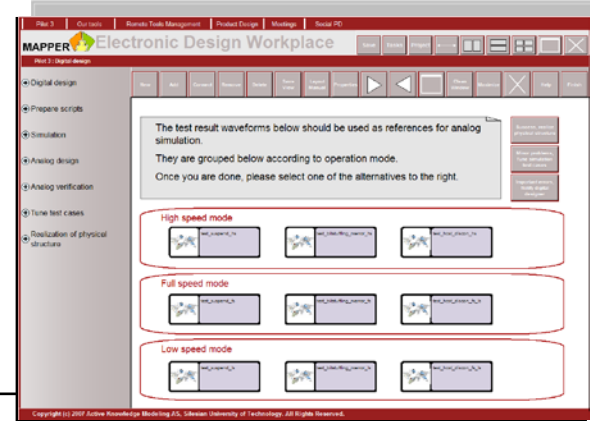
Håvard D. Jørgensen, AKM

MAPPER Integrated Infrastructure

Configurable Web Workplace



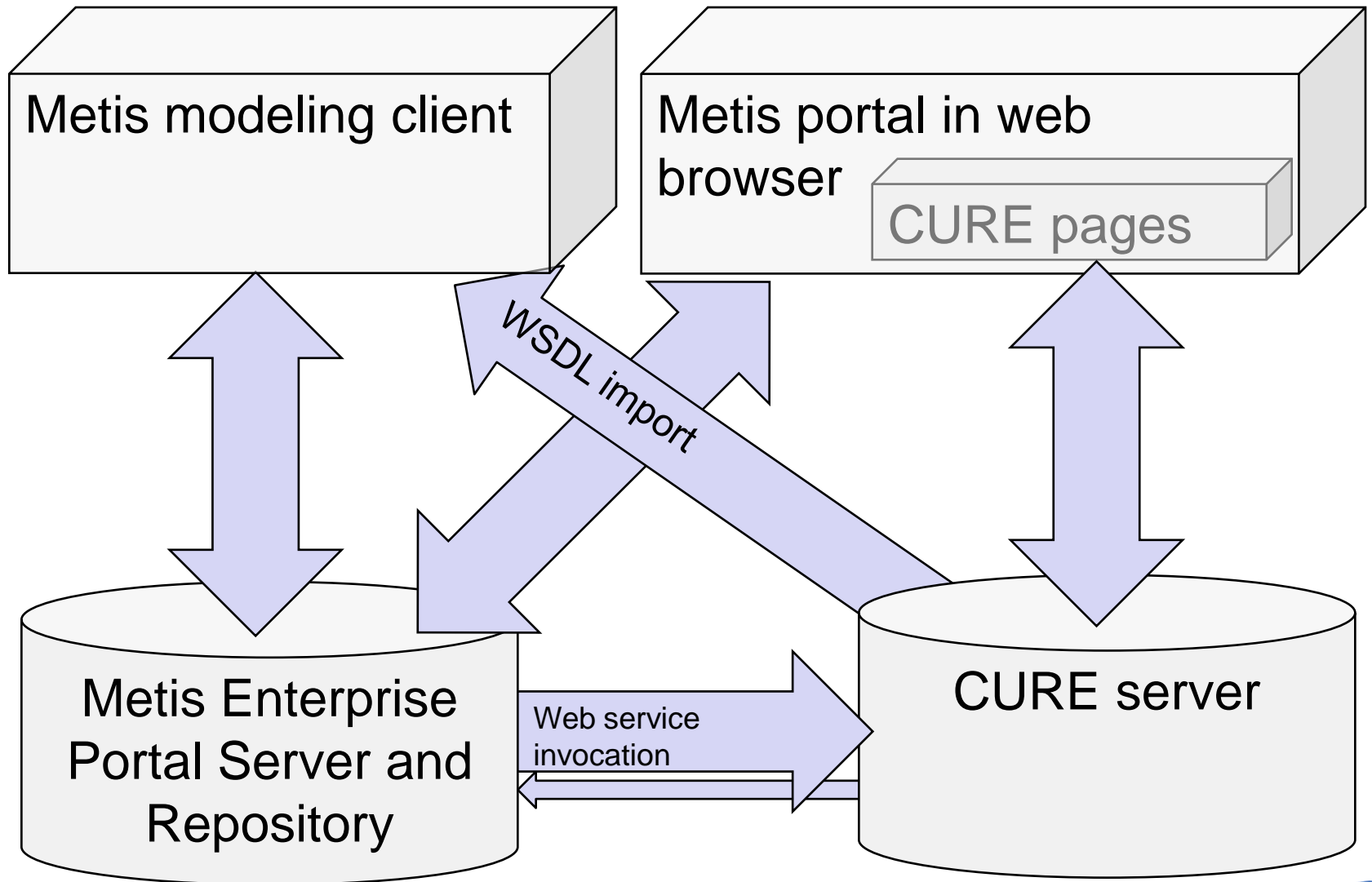
Configurable Visual Workplace



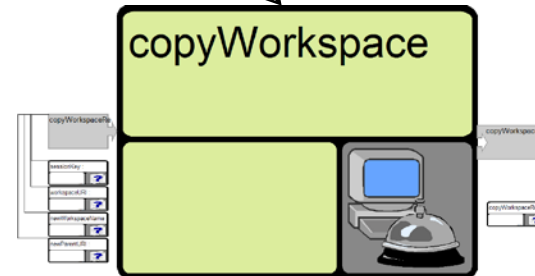
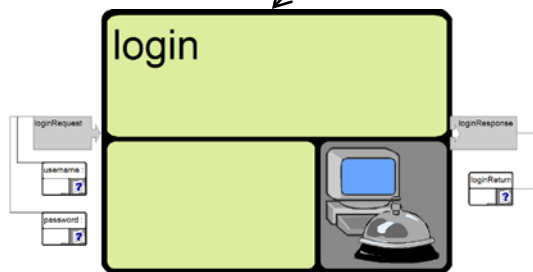
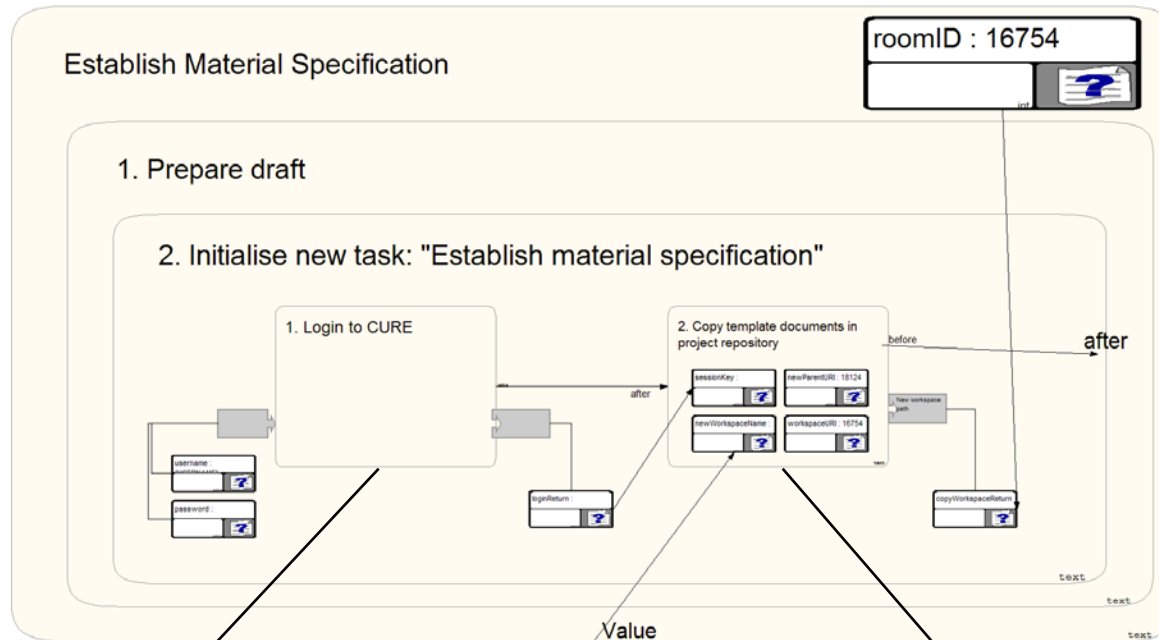
Integration in Use Cases

- WP3 (Demo at review 2)
 - Roundtrip Metis AKM Portal (CWW) and CURE
 - CURE structures created in modeled tasks
 - Metis solution parameterised from CURE web service results
 - Web services and portal integration
- WP2 (Final review)
 - Import workflow specifications from TRMS into models, through web services
 - Invoke workflows in TRMS applet from CVW (Metis client)
- WP1 (Demo at final review)
 - Create and update CURE workspaces using web services and portal services from CVW
 - CVW solution parameterised from CURE web service results
 - Meeting methodology in CVW

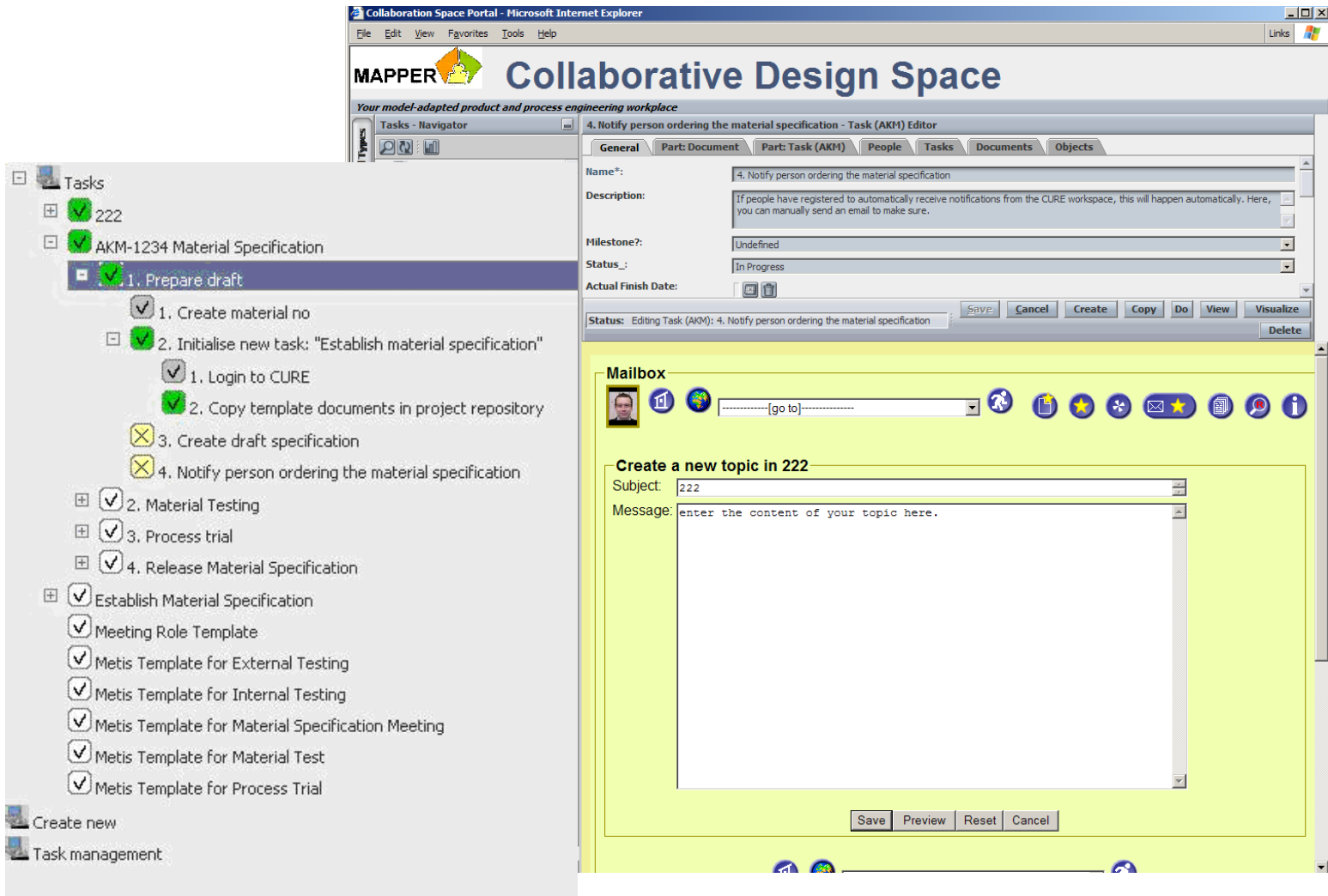
WP3 Pilot 1



Automatic Task for Creating Workspaces through CURE Web Services



Portal Integration

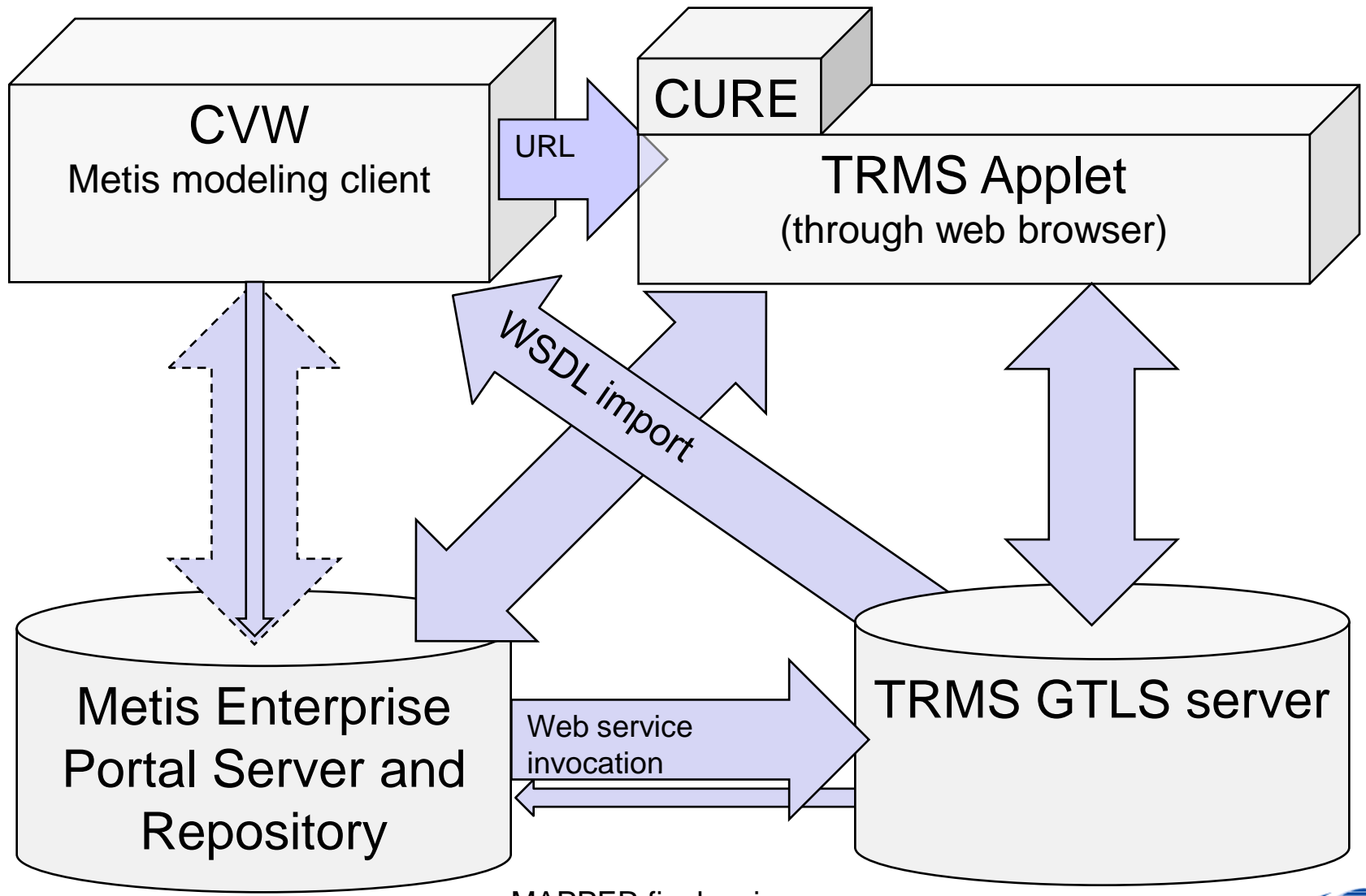


The screenshot displays the MAPPER Collaborative Design Space interface within a Microsoft Internet Explorer browser window. The main title is "MAPPER Collaborative Design Space" with the subtitle "Your model-adapted product and process engineering workplace".

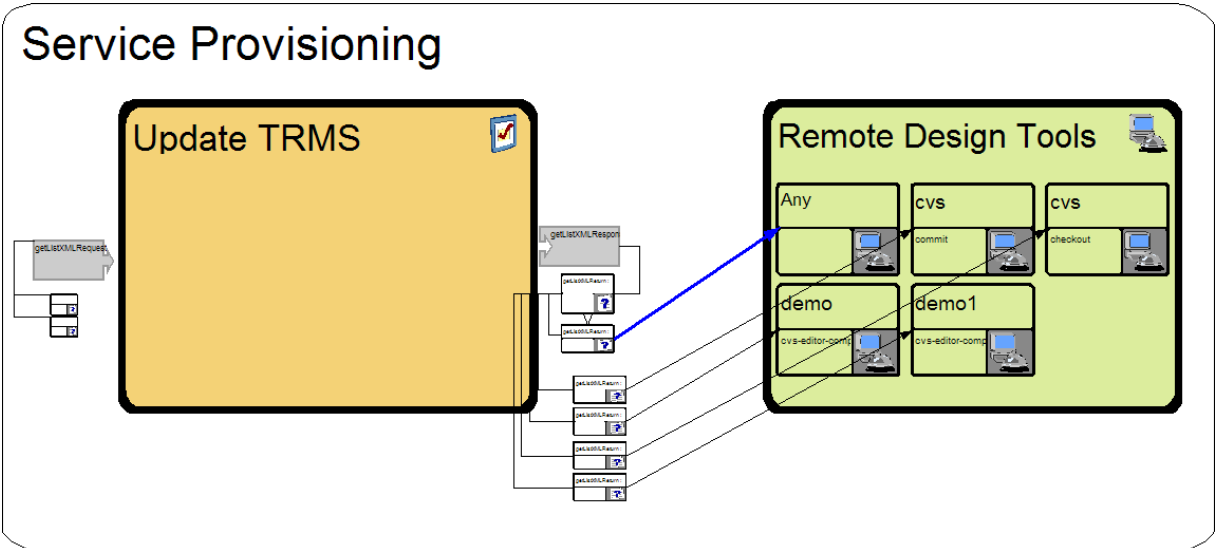
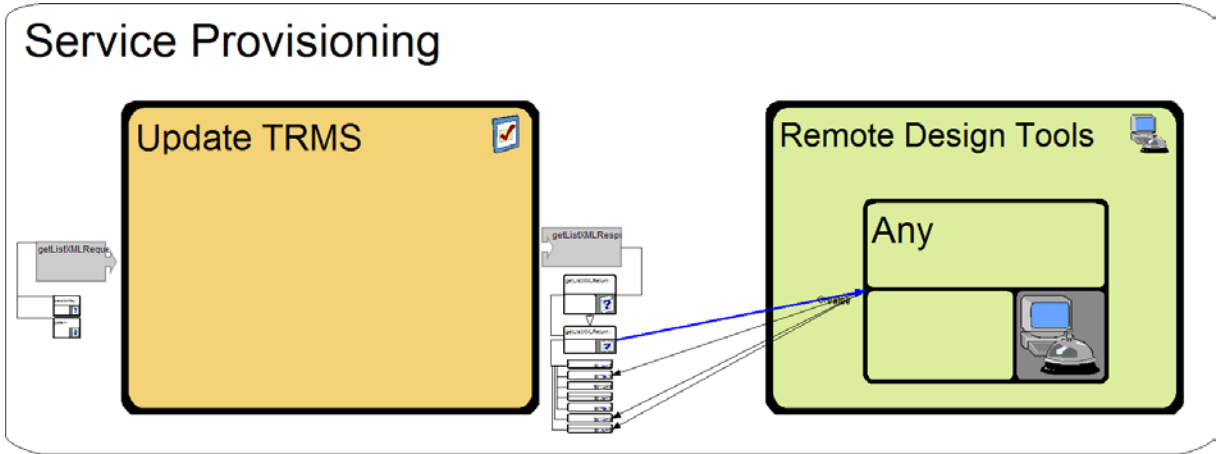
The interface is divided into several sections:

- Tasks - Navigator (Left Panel):** A hierarchical tree view showing task progress. The current task is "4. Notify person ordering the material specification - Task (AKM) Editor". Underneath, it lists sub-tasks:
 - 1. Prepare draft (checked)
 - 1. Create material no (checked)
 - 2. Initialise new task: "Establish material specification" (checked)
 - 1. Login to CURE (checked)
 - 2. Copy template documents in project repository (checked)
 - 3. Create draft specification (unchecked)
 - 4. Notify person ordering the material specification (unchecked)
 - 2. Material Testing (checked)
 - 3. Process trial (checked)
 - 4. Release Material Specification (checked)
 - Establish Material Specification (checked)
 - Meeting Role Template (checked)
 - Metis Template for External Testing (checked)
 - Metis Template for Internal Testing (checked)
 - Metis Template for Material Specification Meeting (checked)
 - Metis Template for Material Test (checked)
 - Metis Template for Process Trial (checked)
- Task Editor (Main Panel):** Shows details for the selected task "4. Notify person ordering the material specification". Fields include:
 - Name: 4. Notify person ordering the material specification
 - Description: If people have registered to automatically receive notifications from the CURE workspace, this will happen automatically. Here, you can manually send an email to make sure.
 - Milestone?: Undefined
 - Status: In Progress
 - Actual Finish Date: [Empty field]
- Mailbox (Bottom Panel):** A yellow-themed area for communication. It includes a "Create a new topic in 222" section with a "Subject" field containing "222" and a "Message" text area with the placeholder "enter the content of your topic here.". Navigation buttons like "Save", "Preview", "Reset", and "Cancel" are visible at the bottom.

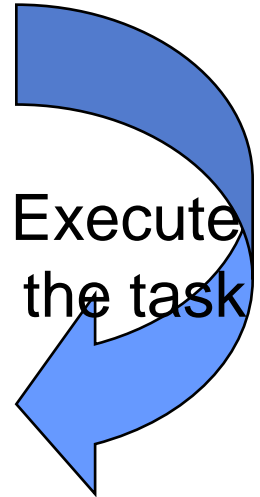
WP2 Pilot 3



Importing Models from Web Service



Execute the task



+ Digital design

+ Prepare scripts

+ Simulation

+ Analog design

+ Analog verification

+ Tune test cases

+ Realization of physical structure

New

Add

Connect

Remove

Delete

Save View

Layout Manual

Properties



Clean Window

Maximize



Help

Finish

The test result waveforms below should be used as references for analog simulation.

They are grouped below according to operation mode.

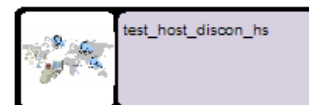
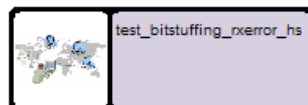
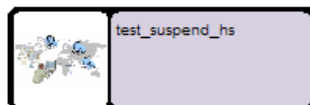
Once you are done, please select one of the alternatives to the right.

Success, realize physical structure

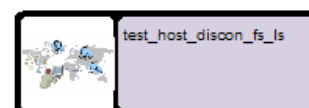
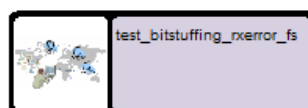
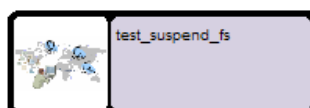
Minor problems, Tune simulation test cases

Important errors, Notify digital designer

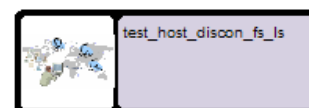
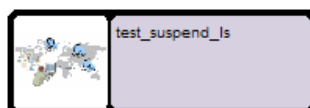
High speed mode



Full speed mode



Low speed mode



WP4 Visual Solutions Development Methodology Applied in WP2

Remote Tools | My tools | Product Design | Meetings | Portfolio mgmt. | Social PD

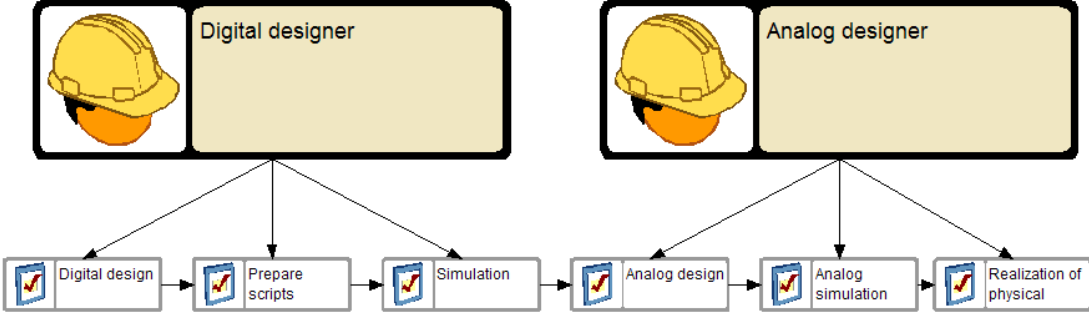
MAPPER Solution Development Workpl... Save Tasks Project

WP2 Distributed Design Pilot : Scenarion modeling | Clarify scenario roles and responsibilities

- Concept development
- Scaffolding
- Scenario modeling
 - Model scenario tasks
 - Clarify scenario roles and responsibilities
 - Model information content
 - Define views for scenario tasks
- Solutions modeling
- Platform configuration
- Platform Delivery
- Performance

New Add Connect Remove Delete Save View Layout Manual Properties

Clarify scenario roles and responsibilities



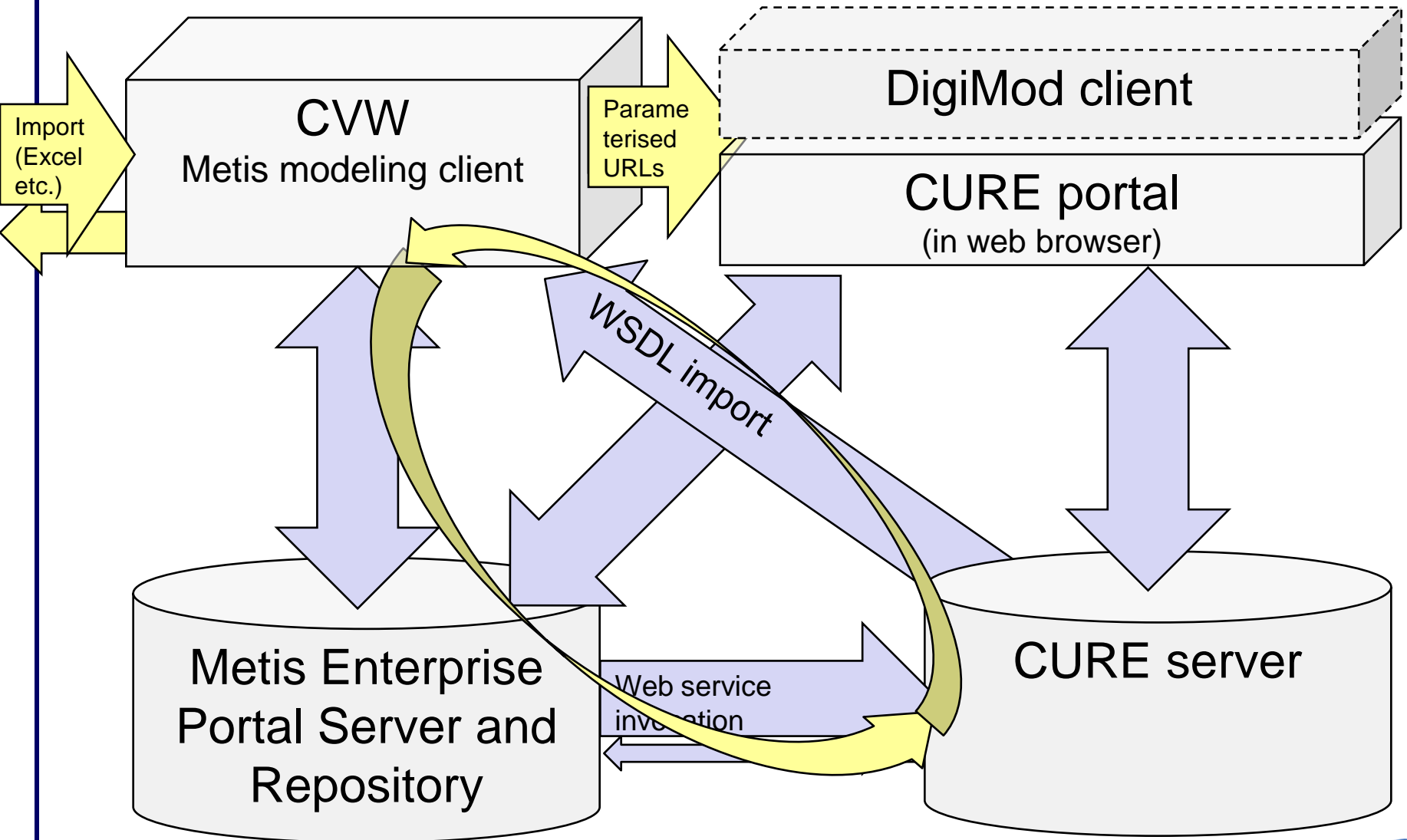
```

    graph TD
      DD[Digital designer] --> DD1[Digital design]
      DD --> DD2[Prepare scripts]
      DD --> DD3[Simulation]
      AD[Analog designer] --> AD1[Analog design]
      AD --> AD2[Analog simulation]
      AD --> AD3[Realization of physical]
      DD1 --> DD2
      DD2 --> DD3
      DD3 --> AD1
      AD1 --> AD2
      AD2 --> AD3
    
```

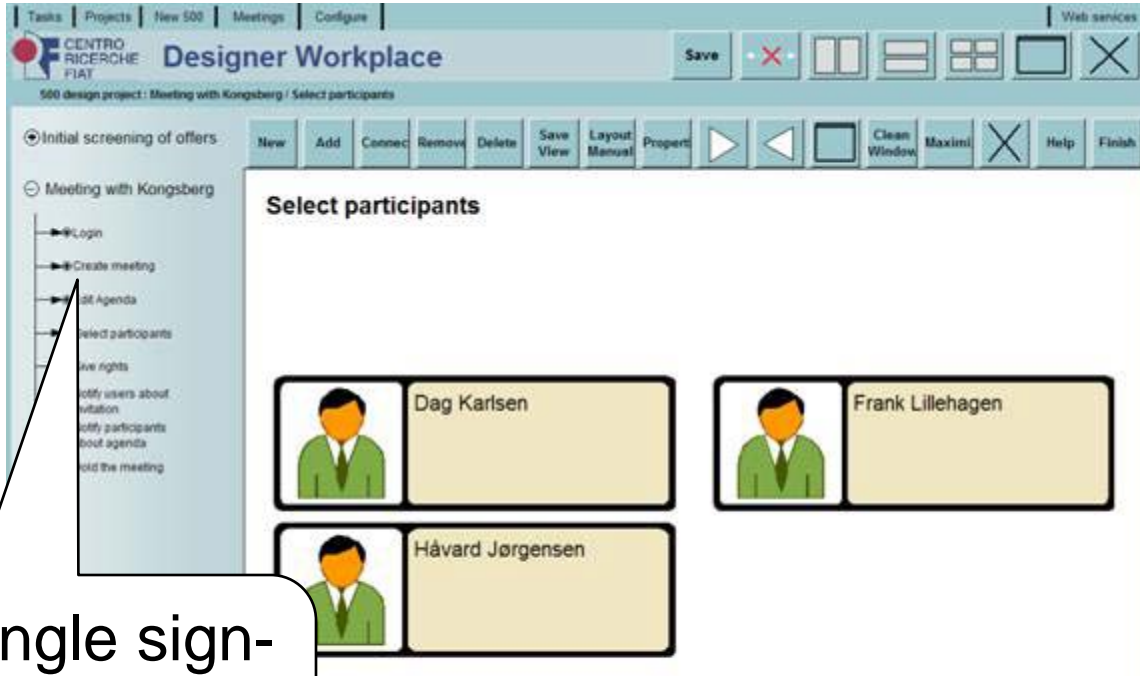
Digital design → Prepare scripts → Simulation → Analog design → Analog simulation → Realization of physical

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WP1 Pilot 2



Invoking Web Services From CVW



Single sign-on using web service



Invoking Parameterised URLs from CVW

Tasks | Projects | New 500 | Meetings | Configure

CENTRO RICERCA FIAT Designer Workplace

500 design project: Meeting with Kongsberg / Select participants

- Initial screening of offers
- Meeting with Kongsberg
 - Login
 - Create meeting
 - Edit Agenda
 - Select participants
 - Give rights
 - Notify users about invitation
 - Notify participants about agenda
 - Hold the meeting

Parameterised URLs

Meeting with Kongsberg automotive: Enter Meeting Name Here

Meeting: Enter Meeting Name Here

About this meeting:

- YYYY-MM-DD. Enter Meeting Name Here
- Organizer: ---
- Date: YYYY-MM-DD
- Location: physical or virtual room
- Tools: e.g., Powerpoint
- Minutes: [The Meeting Minutes](#)

Agenda

Overall Goal: Specify a goal

To achieve this goal, we propose the following agenda items:

#	Time	Name	Responsible	v
00		Your first agenda item	---	

Add Row Accept all Changes

last editor (25.10.07, 16:50)
additional contributors ---