UNFOLD

How do reference models help realising educational systems for multiple learners and flexible pedagogies?

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IMPORTANT STATEMENT

- THERE IS NO UNFOLD REFERENCE MODEL

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Overview

- What is UNFOLD?
- E-learning for multiple learners and flexible pedagogies
- How Reference Models can help us reach our destination

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UNFOLD

- An EU 6th Framework project
- Coordination Action
  - The University of Pompeu Fabra
  - The Open University of the Netherlands,
  - Bolton Institute
  - European Continuing Education Network.
    - Working with lots of other people & projects
- Goal: supporting the adoption of open eLearning standards for multiple learners and flexible pedagogies
- 1.1.2004 – 31.12.2005

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UNFOLD

- Communities of Practice
  - Teachers and Learning Providers
  - Learning designers
  - Systems implementers

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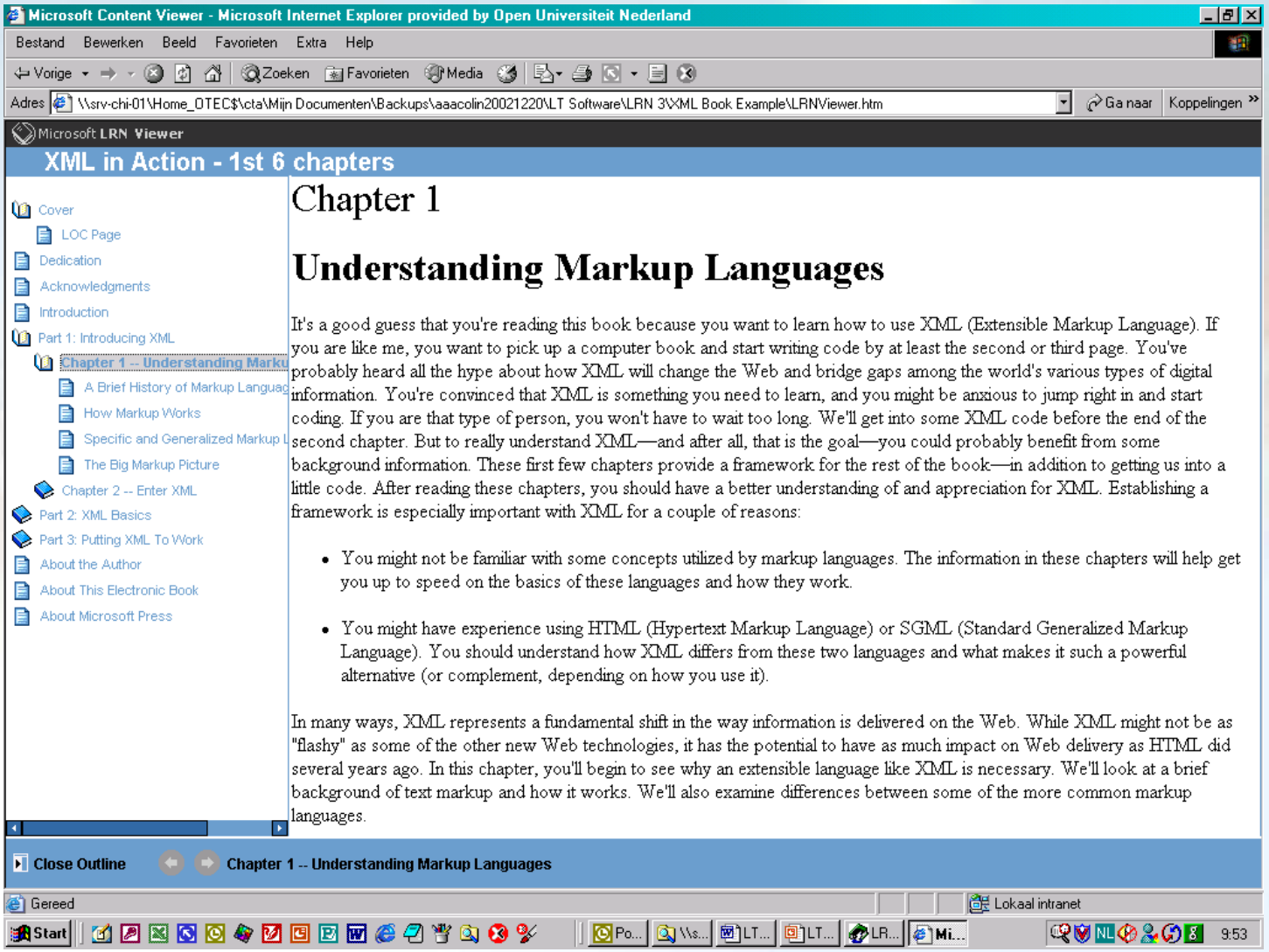
This is only one approach to e-learning



Multiple learners, flexible pedagogies

Open all hours ….

- Individually, learners give their opinion on the new UK licensing laws, entering a few sentences to motivate their thoughts;
- This process is monitored and ended by the tutor for the group as a whole;
- Learners can then see the responses of others and reflect on their opinion;
- Learners then enter personal reflections on all responses;
- The tutor receives all responses and personal reflections once the have been entered and gives feedback on the responses and reflections, finishing the learning activity on a per learner basis.

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Grouping, interaction, sharing, …

- “Students are presented with some information on Italian Wines. The tutor is available to take questions via an online chat session…”
- “The lecturer posts a problem on the bulletin board. Each group of learners elects a spokesperson who summarises the problem and clarifies ….”
- “Think about your experiences as a school child, creating three statements which should be typed into a document and stored on the shared space. Once this is done, ….”

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Enter IMS Learning Design

- Who does what, when, with which learning resources and services, to achieve particular learning objectives.

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Specify away …

- Great …
  - I'll just knock up a Unit of Learning in which learners undergo an intake test
  - The results will be used to vary the activities subsequently available.
  - There'll be a chat facility in there so that the learners can request assistance from their mentor.
  - They can then use the shared writing tool to create a report on the activities they've carried out
  - Once the reports have been posted to the forum, I'll get them to each run the simulation and have extra coaching be given to those who take longer than an hour to develop a model
- Now I'll just press go …

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Hitting the Wall

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You'll be needing

- An assessment service
- A learning flow service
- A simulation engine
- A chat service
- A forum service
- An e-portfolio service
- etc

- And some magic so that all this gets configured, read from, written to, …

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How can Reference Models help?

- “… 'reference models' [help] members of the community to collaborate on the development of service components that meet their needs”
  - The e-Framework for Education and Research: An Overview, Olivier, Roberts, Blinco, 2005
- “A Reference Model Orchestrates &/or Choreographs components
  - Orchestration: several services working together for a user
  - Choreography: several users working together”
  - Bill Olivier, LADiE presentation: “Service Framework Reference Models”

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How can Reference Models help?

- What have we got covered today? What not?
- Where does application/component X fit?
- Which data is where and how does it get from A to B?
- Dividing up work
  - You develop that, we'll develop this, and we'll both buy that
- What will my institution need to cope with?
  - What is out of scope
- In which order are we going to address things?
  - Roadmap: in 2007 we'll introduce e-Portfolios

- Interaction with the JISC community (reference models, Personal Learning Environments work, ….) to reflect on our own world view

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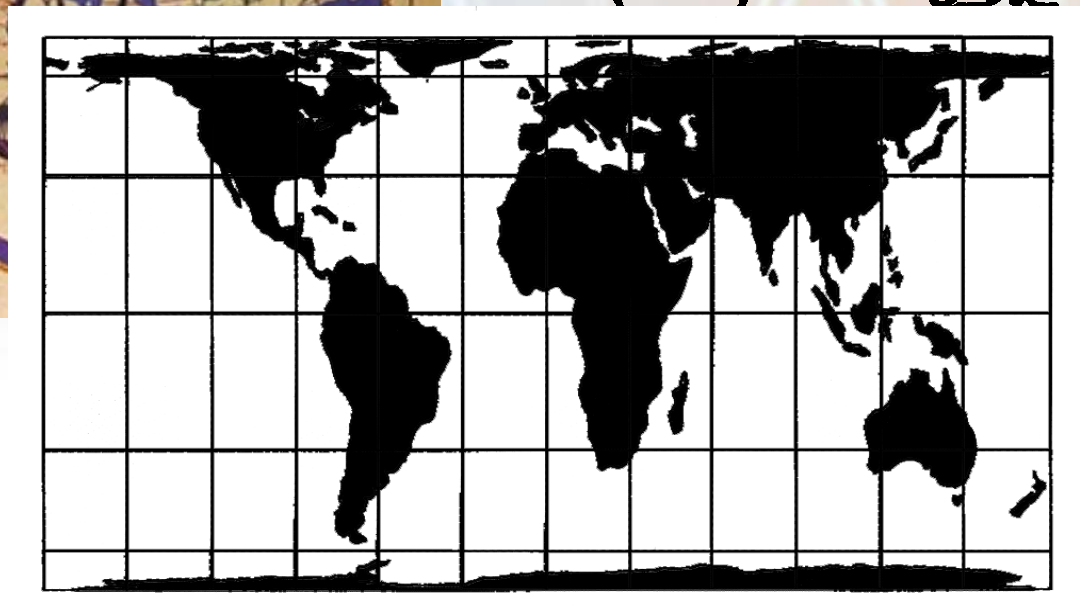
Mapping e-learning world



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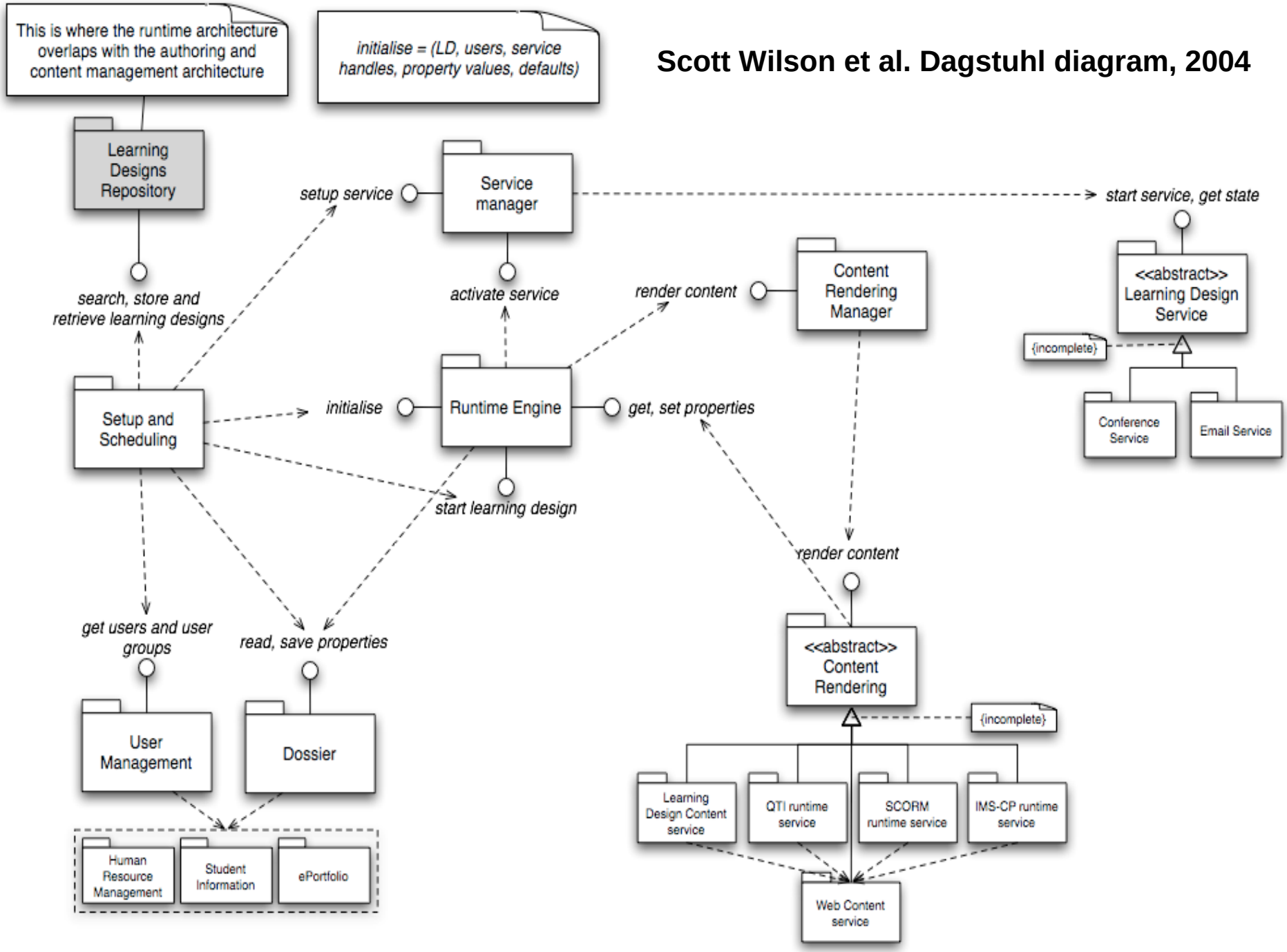
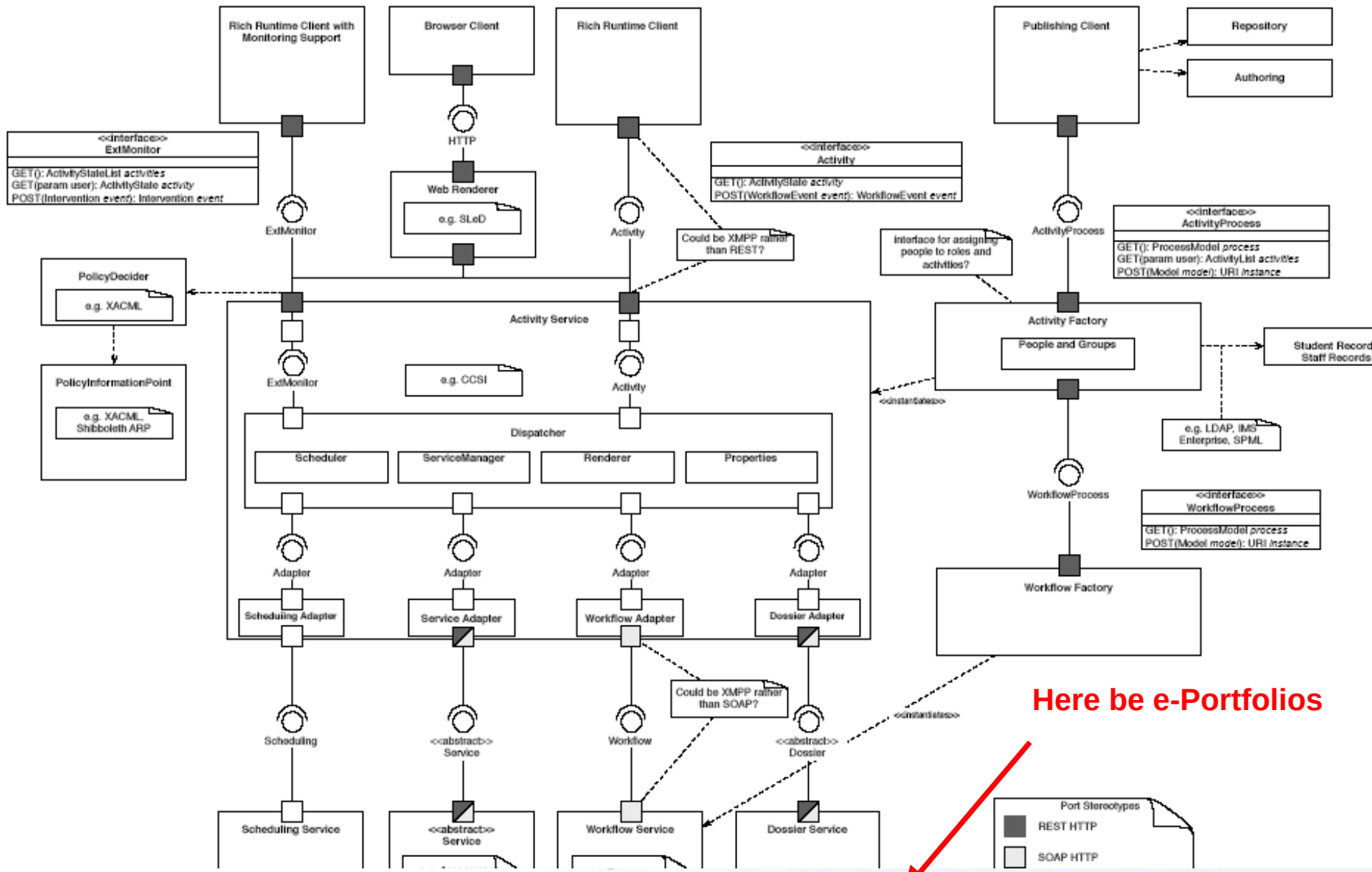
Scott Wilson et al. Dagstuhl diagram, 2004



Scott Wilson et al. Berlin diagram, 2005



Rounding off

- Educational systems for multiple learners and flexible pedagogies requires Reference Models
  - Dealing with lots of different info/services over long periods of time and within and between institutions
- Good links between ELF/e-Framework/Reference Models and UNFOLD communities of practice
  - CETIS, OUUK, others
- Just starting to get up a steam as UNFOLD folds
- But good news …
- A new Integrated Project, **TENCompetence**, will be drawing on the Reference Model work to help guide the development of an infrastructure for lifelong competence development.

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IMPORTANT STATEMENT

- THERE IS NO UNFOLD REFERENCE MODEL
- BUT WE DO HAVE WINE
  - **UNFOLD wine-tasting at the JISC-SURF stand in the Wintergarten exhibition area from 18:00 to 19:30 today**

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