

What Infrastructure is Being Built?

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Infrastructure - Current

Top Down:

- eLearning: ALTC Exchange
- eResearch: Data sharing & collaboration (esp. ANDS)
- Core IT: Internal Single-Sign-On (mostly), AAF
- Legal/Copyright: Creative Commons, Open Source

Bottom Up:

- eLearning: Moodle, Web 2.0 tools, LAMS (my area)
- Core IT: Virtualisation, Cloud hosting/applications

Infrastructure: Future challenges?

- Will innovation with Web 2.0 tools be connected to the LMS or other SSO?
 - I used to be hopeful, now less so (eLearning weak in SSO disc)
- Will we ever see broad uptake of Learning Objects and Repositories (rather than just Google)?
 - One decade down with little adoption, will need another decade yet?
- Will the lessons of past infrastructure projects be learned by new projects?
 - Probably not... big funded projects tend to develop an insular culture

Infrastructure: Future solutions?

- Secure Education Cloud service
 - Nationally hosted facility providing secure access to a wide range of innovative education applications with SSO, ready for use by teachers, schools or universities as they choose
 - Benefit for IT: Allows massive scalability, robust hosting, rapid deployment of many different education apps
 - Benefit for Educators: Pick the tools you want and it just works
 - Prerequisite: Single Sign On to Education Cloud (SIF/OpenID)
- Solution to copyright barriers – mixture of:
 - Open content freely shared (growing adoption of Creative Commons), &
 - Publisher resources licensed direct to jurisdictions (under SSO)