


The Joint Information Systems Committee

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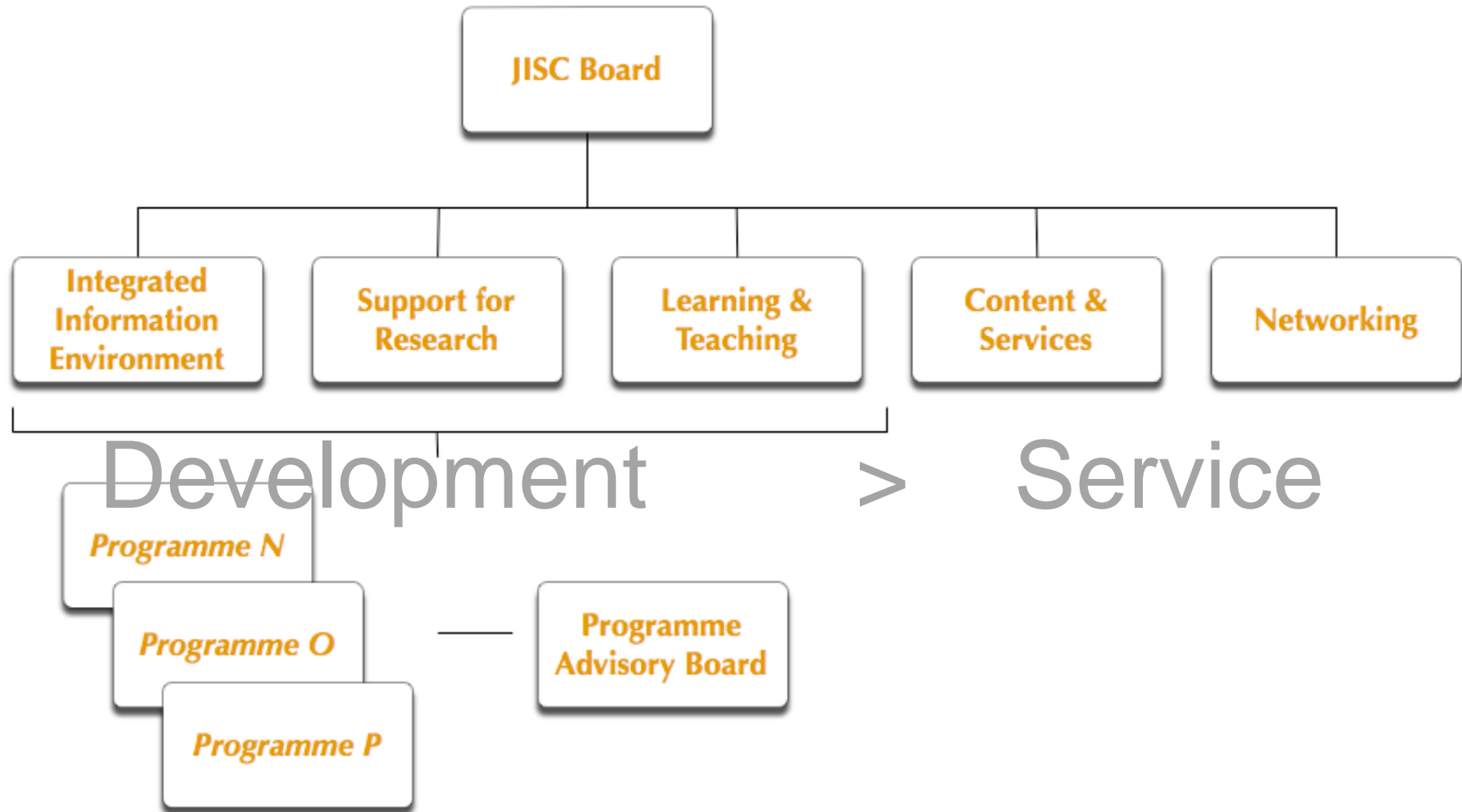
- What is the JISC?
- Funding and Activities
- Development Activity
-  Making Connections - and why

- Public funding body for Post 16 and Higher Ed
 - Brings together Library and C&IT Communities: founded 1993
- Funded by Funding Councils in England, Northern Ireland, Scotland and Wales
- Supports Post 16 (formerly Further Education) and Higher Education
- Annual budget of approximately £66m (\$115m US)
- Objectives include
 - Further development of world-class infrastructure
 - Promote innovation through development programmes

	£m	\$m
Networking	29.43	51.50
Integrated Information Environment	7.27	12.72
Content and Services	11.49	20.10
Learning and Teaching	3.99	6.98
Organisational Support	6.21	10.86
Support of Research	2.87	5.02
Central Services	5.25	9.18
	66.51	116.39

£14.13m / \$24.72

	£m	\$m
SuperJanet 4 (Network)	3.36	5.88
UKLight (high perf research networking)	2.50	4.37
Digitisation Programme	3.84	6.72
Virtual Research Environment Programme	.90	1.57
Middleware Programme (UK Shib +)	.80	1.40
Distributed eLearning Programme	3.70	6.47
	15.20	26.60



JISC Development activity outputs might include ...

- Prototype **user applications** or **toolsets**
- Pilot technical or community **services**
- **Exemplars** of good practice in use of technology
- **Guidelines, case studies**
- Projects and studies producing **reports**
- Projects producing new forms of **content**
- Technical **specifications, standards** and **frameworks**
- **Project management resources** spinning out of other activities

JISC Development activity outcomes might include ...

- **Capacity development** in the community
- **Representation** of community needs to vendors and partners
- Contributions to **strategic thinking** and **decision making** in the community
- **New services**

■ Information Environment

- Provision of, and access to, quality national and local resources
- Objectives include: developing seamless user experience

■ Research

- eScience and the Grid
- Virtual Research Environment Programme
- What are research collaboration needs?

■ eLearning

- Perception that innovation has been slowed or stifled
- Architectures to support innovation

- An approach to development: how, rather than what
 - Ensure JISC development activity is broadly compatible
 - Mapping current activity
 - Identify gaps + identify overlaps = eliminate duplication
- Following emerging consensus in industry
 - Service-oriented approach to development & architecture
 - Particular focus on Web Services
- Following emerging standards consensus (esp IMS)
- A collaborative roadmap
 - Developed with DEST (Australia) and Industry Canada
 - Designed to influence institutional directions

Show only components with: [projects](#) , [specifications](#) , [forum activity](#) [Show All]

Sample User Agents			
Assignment marking tool	Authoring applications	Library System	Portal
Student Enrolment Portlet	Timetabling	VLE / LMS	

Learning Domain Services			
Activity Author	Activity Management	Assessment	Competency
Course Management	Course Validation	Curriculum	Grading
Learning Flow	Marking	Personal Development	Quality Assurance
Reporting	Resource List	Sequencing	Tracking

<http://www.elframework.org/>

Common Services			
AV conferencing	Alert	Archiving	Authentication
Authorisation	Calendaring	Chat	Content Management
Context	DRM	E-mail management	Federated Search
Filing	Format Conversion	Forum	Group
Harvesting	Identifier	Logging	Mapping
Member	Messaging	Metadata Management	Metadata Schema Registry
Packaging	Person	Presence	Rating / Annotation
Resolver	Role	Rules	Scheduling
Search	Service Registry	Terminology	User Preferences
Whiteboard	Workflow		

- A set of services
- Appropriate specifications and standards
- A set of reference models
- Details of reference implementations
- But will also include guidance on
 - Developing reference models
 - How to factor and define services
 - How to deploy

- **Build on existing/legacy 'monolithic' systems**
 - ... add Web Service interfaces
 - Adaptable, extensible environment
 - Practical examples emerging in the community
- **Develop incrementally**
 - Adapting according to size, priorities and budget
- **Agree unified set of specs and standards**
 - Minimise integration costs
 - Service components more widely usable
 - Mix commercial and open source systems

- Web Service Definitions for component services
- Implemented in Web Service based toolkits
 - Service and client ‘adapters’
 - Mainly, but not exclusively, in Java and .NET
 - APIs using WSDL
 - Encourage wide adoption of WS specifications in edu
- Open Source
 - Liberal ‘commercial use’ licenses
- Service definitions submitted to specification bodies
 - Primarily IMS

- Virtual Research Environment Programme
 - Project cluster using Sakai for research collaboration
 - Cambridge, Hull/East Anglia, Lancaster, Liverpool
- eLearning
 - ASSIS - Simple Sequencing into Samigo prototype
 - (Context - around 100 eLearning projects starting/ending in last 12 months)
- Libraries & Resource Location
 - CREE Project - range of z39.50 and other search portlets
 - Affinity with, and collaboration with, Twin Peaks



Sakai Conference 2005

Personal Slide: Issues... (just a few)

- The beginning of the road ... (not next week)
- Where's the orchestration? AKA When can I deploy?
- Sakai 2.0 beginning to expose Web Services
 - ELF tools interacting with Sakai Web Services
 - Role for Sakai in JISC funded tools and service orchestration?
 - Will take effort...
 - ...and **cannot** divert from Mellon grant requirements
- **Enabling communities to share tools**
 - Investment in the UK, France, Netherlands, Spain, Australia etc
- **Extending innovation, building compelling services and content, connecting communities**