



JISC Website Template for Projects

To be completed by the Projects	
Project Title	CORE-Materials: Collaborative Open Resource Environment – for Materials
Project website address	www.core.materials.ac.uk
Start date	27 th April 2009
End date	26 th April 2010
Overview	The UK Centre for Materials Education (UKCME), as the Higher Education Subject Centre for the UK Materials community, has developed strategies and collaborative partnerships for creating and disseminating teaching and learning resources. UKCME is aware of a great number of local learning resources, many of which are interactive resources in electronic form. By participating in the Open Educational Resources (OER) programme (managed by HEA/JISC and funded by HEFCE) the UKCME will be able to share and promote these open learning resources throughout the whole Materials community and ultimately enhance the student learning experience in Materials.
Aims	To release existing learning resources in Materials for open use and repurposing. To explore processes and policies involved in the release of such resources.
Objectives	<ul style="list-style-type: none"> • Scope existing electronic resources • Build and pilot a ‘taxonomy matrix’ to act as an interface to a core set of open learning resources • Share the collection of resources via JorumOpen and a discipline-specific website • Evaluate their use by Materials teachers and students; • Encourage the subject community to source, use, submit, share and reuse the collected resources • Investigate attitudes of users and potential barriers to sharing and making resources publicly available.
Project methodology	<p>Project Manager: responsibility for day-to-day activities, monitoring of progress, finances.</p> <p>Project Chair: academic adviser, operating independently of internal project team</p> <p>Project Director/E-Learning Consultant: liaison with senior management at UK HEIs.</p> <p>Senior Liaison Officer: responsibility for strategic elements of the project, synergies with mission of UKCME, stakeholder links.</p> <p>Resource Developer: development / repurposing of learning resources.</p> <p>IPR/Compliance Co-ordinator: clarifying IPR status of resources, negotiating appropriate CC licences to secure resource release, resource tagging.</p> <p>Website Developer: creating a discipline-specific website mirroring JorumOpen</p> <p>Support Officer: administrative support</p> <p>Research Assistant: Web2.0, RSS feeds, IMS content packaging expertise</p> <p>Learning Technology Advisor: expertise in technical/legal issues</p>
Anticipated	<ul style="list-style-type: none"> • A comprehensive set of core open and accessible learning resources

<p>outputs and outcomes</p>	<p>that provide full coverage of the Materials undergraduate curriculum (greater than 360 undergraduate credits).</p> <ul style="list-style-type: none"> • A 'taxonomy matrix' for the Materials discipline that organises resources in a coherent way for the user and identifies resources in need of development. • Changed policies and practices within partner institutions relating to the release of open learning resources and the wider use of Web2.0 technologies. • An active community of practice where learning resources are shared, used and developed; with the benefit of promoting/marketing the discipline and quality of UK HE.
<p>Technology / Standards used (if applicable)</p>	<ul style="list-style-type: none"> • Metadata: Dublin Core Metadata, JorumOpen Metadata, Programme tag "ukoer", OAI-PMH. • Translation: ISO 639, ISO 3166 • Resource Feeds: RSS / Atom • Content Sharing: IMS Content Packaging, IMS QTI • File Formats: ASCII, DOC, RTF and PDF (document standards); SVG, Flash, GIF, JPEG and PNG (image standards); XHTML and CSS (web standards); ASF, AVI, OGG and WAV (multimedia containers). • Usability & Accessibility: W3C WAI Guidelines, JISC Interoperability • Identity / Access Management: SAML, Shibboleth and XACML • Tracking Usage and Impact: Google analytics, social bookmarking
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<p>Lead Institution</p>	<p>The University of Liverpool</p>
<p>Project partners</p>	<p>The University of Liverpool http://www.liv.ac.uk/ The Institute of Materials, Minerals and Mining (IOM³) http://www.iom3.org/ The University of Birmingham http://www.bham.ac.uk/ Bradford College http://www.bradfordcollege.ac.uk/ The University of Cambridge http://www.cam.ac.uk/ The University of Edinburgh http://www.ed.ac.uk/</p>

	<p>The European Aluminium Association (EAA) http://www.eaa.net/ The Federation of European Materials Societies (FEMS) http://www.fems.org/ Granta Design Limited http://www.grantadesign.com/ Heriot-Watt University, ICBL http://www.icbl.hw.ac.uk/ Imperial College London http://www3.imperial.ac.uk/ Int. Council on Materials Education (ICME) http://www.unt.edu/ICME/ The University of Manchester http://www.manchester.ac.uk/ Materials E-Learning Technologies (MELT) info@materials-elearning.com The Open University http://www.open.ac.uk The University of Sheffield http://www.sheffield.ac.uk/ Sheffield Hallam University http://www.shu.ac.uk/ The University of Southampton http://www.soton.ac.uk/ The University of Swansea http://www.swansea.ac.uk/ The Welding Institute (TWI) http://www.twi.co.uk/</p>
To be completed by Programme Managers	
JISC programme	
JISC theme(s)	
JISC Programme Manager	
JISC Programme Director	
Related projects	<i><list of related projects/links></i>