

UNITWIN UNESCO Chairs Programme

UNESCO Chair Annual Progress Report

UNESCO Chair:	ICT for Development
Institution:	Royal Holloway, University of London Egham Hill, Egham, TW20 0EX, United Kingdom www.rhul.ac.uk/
Date Chair Established: (mm, yyyy)	August 2007
Period of Activity Under Report: (mm, yyyy - mm, yyyy)	August 2008-July 2009
Report Established By: (name, position)	Professor Tim Unwin: UNESCO Chair-holder Email: t.unwin@rhul.ac.uk ; Tel : + 44(0)1784 443-655 www.gg.rhul.ac.uk/tim/ ; http://www.unesco.org.uk/Royal_Holloway_Chair.htm

1. Executive Summary:

Major outcomes, results and impact of the Chair in relation to its objectives as stated in Article 2 of the Chair Agreement (between the Institution and UNESCO)
(Not exceeding 500 words)

This has been a successful year for the UNESCO Chair, highlighted by four key new achievements:

- Royal Holloway, University of London, has created a new College Centre in ICT4D building on the work of the UNESCO Chair and ICT4D Collective. This formally brings together colleagues in Management, Geography, Computer Science and Earth Sciences, and provides a platform for future collaborative research, teaching and consultancy;
- The publication and launch of Tim Unwin's edited book, *Information and Communication Technologies for Development* by Cambridge University Press in 2009, to which several members of the Chair have contributed;
- Launching of a new research networking digital environment for our EDULINK funded programme at <http://ict4dconsortium.rhul.ac.uk/elgg/>; and
- Confirmation from the ICTD Advisory Board that the Chair has been invited to host the fourth ICTD2010 international conference, building on the previous conferences held at Berkeley, Bangalore and Doha.

The Chair's research and teaching at undergraduate and postgraduate level, as well as provision of training courses, consultancy and policy advice has built on the foundations that were documented in last year's report, especially focusing on completing the final year of our DeIPHE funded partnership with African higher education institutes and our EDULINK funded consortium with European and African institutions. Particular activities of note include the following (for more details see <http://www.gg.rhul.ac.uk/ict4d/activities.html>):

- Participation in TIED conference in Uganda (31 July – 2 August 2008), including keynote address
- Meetings in Santiago with the Chilean National ICT Strategy team (September 2008)
- Extensive participation by our postgraduates in the ICT4D postgraduate symposium in Finland (7-9 September 2008)
- Keynote address at TIER Workshop at University of California Berkeley (October 2008)
- Convening and hosting of EPSRC Workshop on ethical consumption, traceability and ICT (October 2008)
- Participation of several Collective members in the Chatham House conference on *Technology: a platform for development* (30-31 October 2008)
- Keynote and participation in Universitat Oberta de Catalunya's UNESCO Chair in e-Learning 5th

International Seminar (12-14 November 2008)

- Convening and hosting by our postgraduates of workshop on Community and Communication (15 November 2008)
- Wide participation in Online Educa in Berlin (3-5 December 2008) including co-hosting with GTZ of workshop on OER for capacity development in Africa
- Participation in our EDULINK-funded consortium's first major workshop held at Tumaini University's campus in Iringa, Tanzania (6-18 January 2009)
- Chairing the launch of DFID's Facilitating Access to financial Services through Technology (FAST) programme at Chatham House (12 February 2009)
- Participation in launch of the government of Sierra Leone's Multipurpose Telecentres for Deprived Areas programme (March 2009), including keynote address
- Participation in Euro-Africa Cooperation Forum on ICT Research held at the European Commission in Brussels (25-26 March 2009)
- Extensive participation of Collective members and postgraduates in ICTD2009 held in Doha (17-19 April)
- Participation in workshops on ICT4D and teacher training in Mozambique as part of our DelpHE-funded partnership (14-18 May 2009)
- Considerable involvement in e-Learning Africa held in Dakar, Senegal (27-29 May 2009) including keynote address and workshops on evaluation and on story-telling
- Workshop at Université Cheikh Anta Diop, Dakar Senegal (31 May-1 June 2009) as part of our EDULINK and DelpHE partnerships

2) **Activities:**

Overview of activities undertaken by the Chair in the reporting period

a) Education/Training/Research

(key education programmes and training delivered and research undertaken by the Chair in the reporting period)

i) Education	<ol style="list-style-type: none">1. Undergraduate course in ICT4D at Royal Holloway, University of London2. Lectures to UK schools on ICT4D3. Contributions on ICT4D to Master's Programme in Practising Sustainable Development
ii) Training	<ol style="list-style-type: none">1. Postgraduate Supervision in ICT4D (Chairholder 12 PhD students; others 4)2. Workshops<ul style="list-style-type: none">• Convening and hosting of EPSRC Workshop on ethical consumption, traceability and ICT (October 2008)• Convening and hosting by our postgraduates of workshop on Community and Communication (15 November 2008)• Participation in our EDULINK-funded consortium's first major workshop held at Tumaini University's campus in Iringa, Tanzania (6-18 January 2009) – focusing on many aspects of our partnership, but especially on use of Elgg digital environment• Workshops on ICT4D and teacher training in Mozambique as part of our DelPHE-funded partnership (14-18 May 2009) – also included training on Elgg environment• Workshop at Université Cheikh Anta Diop, Dakar, Senegal (31 May-1 June 2009) as part of our EDULINK and DelPHE partnerships
iii) Research	<p>Ongoing research including:</p> <ul style="list-style-type: none">• Publication of Unwin, T. (ed.) (2009) <i>ICT4D</i>, Cambridge: CUP• Writing of paper on African poverty (submitted to <i>World Development</i>)• Ongoing research focusing on <i>Fair Tracing</i>, building on EPSRC funded project• Collaborative research with DelPHE partners on learning management systems in Africa – paper accepted for publication in <i>Open Learning</i>• Ongoing research on <i>ICTs, states and citizens: moral philosophy and technological change</i>

b) Conferences/Meeting

(key conferences and meetings organised by the Chair or to which its Chairholder contributed)

Activities by members of the Chair

1. Workshops/Conferences convened by members of the Chair/ICT4D Collective

- Convening and hosting of EPSRC Workshop on ethical consumption, traceability and ICT (October 2008)
- Convening and hosting by our postgraduates of workshop on Community and Communication (15 November 2008)
- Workshops on evaluation and on story-telling at e-Learning Africa held in Dakar, Senegal (27-29 May 2009)
- Workshops on ICT4D and teacher training in Mozambique as part of our DelPHE-funded partnership (14-18 May 2009), Maputo

- Workshop at Université Cheikh Anta Diop, Dakar Senegal (31 May-1 June 2009) as part of our EDULINK and DeLPHE partnerships

Activities by Chairholder

2. Workshops/Conference sessions in which the Chair served on Programme/Organising Committee

- ICTD2009, Doha

3. Conferences/Meetings in which the Chair was a Keynote Speaker

- Keynote address on “Challenges and Opportunities in the use of ICTs for education in developing countries” at the Technology for Innovation and Education in Developing Countries” 5th International Workshop, held in Kampala, Uganda, 31 July – 2 August 2008.
- Opening keynote on “ICT4D – where next?” at International Network for Postgraduate Students in the area of ICT4D symposium, 7-8 September 2008, Joensuu, Finland
- Opening Keynote on “ICT4D – reflections on an unfinished journey...”, at the TIER (Technology and Infrastructure for Emerging Regions) 2008 workshop held at the University of California, Berkeley, 17-18 October 2008.
- Address on ‘Partnerships for ICT4 Development: towards a framework of good practice’ and also the final ‘wrap-up’ concluding statement at the Chatham House conference on “Technology: a Platform for Development?”, 30-31 October 2008.
- Opening keynote on ‘ICT4D: Partnerships and post-constructivist education in development practice’ at Universitat Oberta de Catalunya, UNESCO Chair in e-Learning, Fifth International Seminar, 12th-14th November 2008, Barcelona, Spain.
- Keynote: ‘Crafting effective partnerships in ICT4D: towards a framework of good practice’ at launch of the National Telecommunications Commission, Sierra Leone, programme on Multipurpose Telecentres for Deprived Areas, in the presence of the Vice President and Minister of ICT, Freetown, 19th March 2009
- Panel presenter, ‘Socio-economic goals and applications’, Euro-Africa Cooperation Panel on ICT Research’, held at the European Commission, Brussels, 25-26 March 2009 (also Session Chair for sessions on ‘Africa-EU cooperation on ICT – from research to development’, and on ‘Public private partnerships – experiences and lessons learned’)
- Opening address, Africa Gathering, 25th April 2009, London International Development Centre, Birkbeck College.
- Seminar entitled ‘Reflections on ICT4D’, The British Council, Manchester, 27th April 2009.
- Keynote ‘ICT and Teacher Training in Africa: reflections’ Maputo, DeLPHE workshop, 15th May 2009
- Opening Keynote, e-Learning Africa ‘On the richness of Africa: implications for e-Learning’, 28th May 2009.
- Presentation on ‘Crafting effective multistakeholder partnerships for education’ in Stakeholders Forum at Conference of Commonwealth Education Ministers, Kuala Lumpur, 16th June 2009
- Address to Ministers on ‘Commonwealth Scholarships: Building on 50 years of achievement’ at Conference of Commonwealth Education Ministers, Kuala Lumpur, 18th June 2009
- Seminar at the Università della Svizzera italiana, Lugano, Switzerland ‘On the richness of Africa: implications for e-Learning’, 1st July 2009

4. Conferences in which the Chair participated as plenary moderator or chair

- Chairing the launch of DFID’s Facilitating Access to financial Services through Technology (FAST) programme at Chatham House (12 February 2009)
- Euro-Africa Cooperation Forum on ICT Research held at the European Commission in Brussels (25-26 March 2009)

c) Interuniversity Exchanges/Partnerships

(principal exchanges/partnerships between the Chair and other institutions)

Our interuniversity partnership activities have revolved around two main initiatives:

- the DelPHE funded partnership with the University of Education Winneba (Ghana), the University of Maseno (Kenya), and Eduardo Mondlane University (Mozambique). In 2008-9 visits and workshops were hosted in particular by Eduardo Mondlane University, and Université Cheikh Anta Diop, Dakar Senegal. In July-August 2009, Dr. Kleine also spent time in Kenya, both at Maseno University and also exploring other future partnership links.
- the EDULINK-funded partnership, led by Joensuu University and including all of our DelPHE partners as well as Tumaini University in Iringa, Tanzania. In 2008-9 our main workshop was held at Iringa. During 2008-9 we also explored the possibilities of adding new partners to this network
- In addition, a visit to Lugano, Switzerland, cemented a partnership with the Università della Svizzera italiana

The Centre now has more than 100 associated members (<http://www.gg.rhul.ac.uk/ict4d/collective.html>) and more than 40 official partners and co-operating organisations (<http://www.gg.rhul.ac.uk/ict4d/partnership.html>)

d) Publications/Multimedia Materials

(major publications and teaching/learning materials)

tick relevant fields of output and indicate volume of output:

	[tick]	[no.]
Books		
Books (edited)	✓	
Books (chapters)		
Monographs		
Research Reports	✓	
Journal Articles (refereed)	✓	
Conference Proceedings & Occasional Papers		
Teaching/Learning Materials	✓	
Multimedia Materials (CD-Rom)		
Multimedia Materials (Video)		
Multimedia Materials (Other)		

Give details of major publications and materials including full citations.

Sample materials by core members of the Centre

- Geldof, M. (2009) ICT4D: a disciplinary hotchpotch? Position paper for the 'Young Researchers' Workshop' at ICTD2009
- Hollow, D., & ICWE. 2009. eLearning in Africa: challenges, priorities and future direction. ICT4D Collective, Working Paper.
Hollow, D., 2009. Initial reflections on the Ethiopia XO5000 Programme. ICT4D Collective, Working Paper.
Hollow, D., & Masperi, P., (in press). An evaluation of the use of ICT within primary education in Malawi. Conference proceedings, ICTD 2009, Doha.
- Kleine, D. and T. Unwin (2009) Technological Revolutions, Evolutions, and new Dependencies: What's new about ICT4D?, *Third World Quarterly*, 30(5), 1045-67
- Kleine, D. (2009, in press): The Ideology behind the Technology - Chilean Microentrepreneurs and public ICT-policies, *Geoforum*
- Kleine, D. (2008): Negotiating Partnerships, Understanding Power: Doing Action Research on Chilean Fairtrade Wine Value Chains, *The Geographical Journal*, 174(2), 95-191
- Light, A., Kleine, D. and M. Vivent (2009, forthcoming) Performing Charlotte: A Tool to bridge Cultures in Participatory Design, *International Journal of Sociotechnology and Knowledge Development*

Materials by Chairholder

- Unwin, T. (ed.) (2009) *ICT4D*, Cambridge: CUP
- Unwin, T. (submitted) On the richness of Africa (Submitted to *World Development*, 30th January 2009)
- Unwin, T., with Beate Kleessen, David Hollow, James Williams, Leonard Mware Oloo, John Alwala, Inocente Mutimucuo, and Xavier Muianga (accepted) Digital Learning Management Systems in Africa: rhetoric and reality, (submitted to *Open Learning: The Journal of Open and Distance Education*, 20th May 2009)
- Unwin, T. and Geraldine de Bastion (2008) ICT4D, in: Desai, V. and Potter, R.B. (eds) *The Companion to Development Studies*, London: Arnold, 2nd edition, 54-58
- Unwin, T. (2008) Conflict, development and aid, in: Desai, V. and Potter, R.B. (eds) *The Companion to Development Studies*, London: Arnold, 2nd edition, 450-53

In 2009 Tim Unwin also started a regular blog at <http://unwin.wordpress.com>

Digital environments, regularly updated

- ICT4D website (<http://www.ict4d.org.uk>) - currently ranked 1st out of 295,000 for searches for ICT4D on www.google.co.uk, and 1st out of 1,800,000 on <http://uk.search.yahoo.com>
- ICT4D consortium research networking environment (<http://ict4dconsortium.rhul.ac.uk/elgg/>)
- ICT4D postgraduate environment (<http://moodle-ict4d.rhul.ac.uk/course/view.php?id=7>) (as of August 2009 this will transfer to our Elgg environment)
- ICT4D Africa environment (<http://moodle-ict4d.rhul.ac.uk/course/view.php?id=3>) (as of August 2009 this will transfer to our Elgg environment)

UNESCO Centre and ICT4D Collective Working Paper Series

ICT4D Partnership for African Higher Education Institutions Working Papers

- Xavier Muianga, Feliciano Eduardo and Inocente Mutimucuo (2009) [The involvement of the private sector in ICT4D \(Public-Private Partnership in ICT4D\): the case of Mozambique](#)
- Leonard Mware Oloo (2009) [Baseline survey report for ICT in secondary schools in selected parts of Kenya](#)
- Leonard Mware Oloo (2009) [The role of civil society, private sector and public-private partnerships in ICT4D](#)
- Tim Unwin with Beate Kleessen, David Hollow, James Williams, Leonard Mware Oloo, John Alwala, Inocente Mutimucuo and Xavier Muianga (2009) [Digital Learning Management Systems in Africa: rhetoric and reality](#)

ICT4D Collective Ongoing Research and Unpublished Papers

- Victor Gathara (2009) [Fibre comes East...Is Kenya prepared? A preliminary report on the impact of the arrival of international sub-marine fibre on development in Kenya \(Paper prepared for DFID Kenya and Somalia\)](#)
- David Hollow (2009) [Initial reflections on the Ethiopia XO5000 Programme](#)
- David Hollow and ICWE (2009) [eLearning in Africa: challenges, priorities and future direction](#)
- Tim Unwin (2009) ['Free' access to research findings - reflections for an African context](#)
- Simone Sala and Federico Matteoli, Building capacity in communication and ICT applications for Community Based Adaptation (CBA), .ppt file presented at the 3rd International Conference on Community-Based Adaptation (CBA) to climate change in Dhaka, 2009
- David Crespo García (2008) [Mobile phones' potential to address information and communication needs of healthcare workers in isolated rural areas in Peru](#)

- Jorrit Mulder (2008) Knowledge dissemination in Sub-Saharan Africa: what role for Open Educational Resources (OER)?
- Tim Unwin (2008) On the richness of Africa
- Marije Geldof (2008) The interaction between low-literate youth and ICT in Ethiopia and Malawi
- David Hollow (2008) The place of monitoring, evaluation and impact assessment within eLearning programmes: a follow-up report from the eAlumni Workshop, Zschortau

e) Other
(any other activities to report)

Members of the Chair have taken an active role in wider UNESCO and UK National Commission activities during the reporting year as follows:

- Dr. Dorothea Kleine is a member of the UNESCO UK Working Group on the Information Society
- Tim Unwin is a member of the UNESCO National Commission's Communication and Information Committee
- Tim Unwin participated in UNESCO's World Conference on Higher Education, July 2009
- Tim Unwin serves as senior advisor to UNESCO and the World Economic Forum's Partnerships for Education initiative

3. Available Resources

Overview of resources placed at the disposal of the Chair in the reporting period

a) Human Resources

Full details of the Collective structure are available at <http://www.gg.rhul.ac.uk/ict4d/collective.html>, which notes that the following are associated with the College Centre and ICT4D Collective and thus also with the Chair (numbers in parentheses are figures as at August 2008):

- 16 (11) full time staff at Royal Holloway, University of London
- 1 (1) Honorary research associate at Royal Holloway, University of London
- 77 (47) associate members of the Collective across the world
- 20 (18) MPhil/PhD students at Royal Holloway, University of London

b) Other Resources

tick sources of financial contribution

	[tick]
Host Institution	✓
Partner Institution	
Government Body	
Other Public Institution/Body (incl. Research Councils)	✓
UNESCO	
Other UN Agency	
IGO	
NGO	
Industry	✓
Other Private	

Give details of financial contributions, material resources and space.

In 2009, in recognition of the work of the UNESCO Chair and ICT4D Collective, Royal Holloway, University of London created an interdisciplinary Centre for ICT4D. Although this is not an independent cost Centre, it does provide a focus for interdisciplinary work within the College. A new Management Board, with representatives from each participating Department (which has held two meetings in 2009 so far), as well as an international Advisory Board have been created.

The Chairholder is a member of the Geography Department, as is Dr. Kleine, and the majority of the research students. These are therefore resourced and funded through the Geography Department. Likewise, other members of the ICT4D Collective, who contribute to the work of the 'Chair' and Centre are members of other Departments, and funded accordingly. Some administrative support is also available, particularly through the Research and Enterprise Office, which provides assistance in the preparation of grant applications.

In addition, the following resources pertain directly to the work of the Chairholder:

- DeIPHE funded ICT4D partnership (with institutions in Ghana, Kenya and Mozambique) £25,000
- EDULINK funded partnership led by the University of Joensuu (total grant led by Joensuu c. €500,000)
- ESRC CASE 3 year PhD studentship with Cisco Systems (David Hollow)
- Microsoft Postgraduate Research studentship (Marije Geldof)

A key issue for the Centre is to identify ways in which it can fund a Secretariat. Funding is currently being sought for a research administrator who can help build on the capacity that exists, to help the Centre attract increased research funding, especially from UL Research Councils.

4. Future Plans and Development Prospects:

Outline of action plan for the next biennium. And short/medium and long term development prospects. Please feel free to refer to difficulties that the Chair has experienced (Not exceeding 500 words)

Short term plans

Last year's short term plans (2008-2010), and delivery on them is indicated below:

- Appointment of two part-time staff to administer the virtual network associated with the Edulink funded ICT4D partnership – *appointed and in place*
- Completion of appointment of International Advisory Board – *some members appointed*
- Delivery of workshops and research in Africa associated with Edulink funding – *delivered (as noted above)*
- Hosting of 2 ICT4D-related workshops during 2008-9 - *delivered*
- Completion of research associated with DelPHE funded ICT4D partnership with African HEIs - *completed*
- Submission of at least one new CASE PhD studentships – *not delivered because Chairholder is at full capacity*
- Completion of PhDs on schedule – *currently still on schedule*
- Gaining of additional private sector collaborative research funding – *not yet in place*
- Development of multi-disciplinary seminar series – *to be started in 2009-10*

These short-term plans remain our priorities

Medium term (2010-2012)

Medium term strategic objectives identified in 2008-9 included (with delivery to date):

- Development of further shared learning resources in ICT4D across the Chair's various partnerships – *slowly taking place through Elgg environment*
- Expansion in the number of partnerships with civil society, the private sector, and bilateral donors – *number of partners has increased during the year (see above)*
- Development and implementation of specific short courses on aspects of ICT4D – *no progress on this in 2008-9*
- Continued enhancement of research activities – further progress required – a key aspect is the need to develop Research Council funding – *one of the Management Board meetings in 2009 addressed this specifically*
- Renewal of status of UNESCO Chair
- To establish reputation as one of the leading international centres in the field of ICT4D

The adeptness of the UNESCO Chair at taking advantage of serendipitous rigour has enabled it to benefit from the following additional initiatives during 2008-9 that will come to fruition in 2009-10:

- Successful application for a prestigious 2 year UK Research Council Newton Fellowship to enable Dr. Thao Nguyen to join the Centre
- Agreement to host the ICTD2010 conference at Royal Holloway, University of London
- A volunteer, Lisa Cespedes, who has previously worked for the FAO will be joining the Centre for three months from September 2009; this opportunity has raised the possibility of us hosting future volunteers to contribute to our strategic objectives.

Overall, for the year ahead, our primary objectives over and above effective continuation of our existing activities are to

- To ensure that the Centre's administrative structure continues to develop
- To ensure that plans for the ICTD2009 conference are on track, and
- To identify appropriate research funding for which to apply, and to submit relevant bids