

## UNITWIN UNESCO Chairs Programme

### UNESCO Chair Annual Progress Report

UNESCO Chair:	<b>ICT for Development</b>
Institution:	<b>Royal Holloway, University of London</b> Egham, Surrey TW20 0EX, United Kingdom <a href="http://www.rhul.ac.uk">www.rhul.ac.uk</a>
Date Chair Established: (mm, yyyy)	August 2007
Period of Activity Under Report: (mm, yyyy-mm, yyyy)	August 2007 – July 2008
Report Established By: (name, position)	<b>Professor Tim Unwin, UNESCO Chairholder</b> Email: <a href="mailto:t.unwin@rhul.ac.uk">t.unwin@rhul.ac.uk</a> ; Tel: + 44(0)1784 443 655 <a href="http://www.gg.rhul.ac.uk/tim/">www.gg.rhul.ac.uk/tim/</a>

#### **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 is the first full year of the Chair's activities, and time has been spent in negotiating its precise status within Royal Holloway. It is important that a clear governance structure is established to ensure that it can satisfactorily deliver on its objectives. Emphasis this year has concentrated on the first two of the Chair's areas of activity, although outputs have been achieved on all of its intended deliverables.

1. Delivering World-class **research** of benefit to the interests of poor and marginalised communities: Particular attention has been paid this year to the completion of a major book on ICT4D to be published in late 2008 by Cambridge University Press. The chairholder is the editor, and has written 6 of the book's 11 chapters. The chairholder has also delivered keynote addresses at major conferences (2b below), and continues to publish widely (2d below). A major achievement this year has been the gaining of a c €500,000 Edulink award over two years to combine the University of Joensuu's ICT4D network (with Tanzania and Denmark) with the ICT4D Collective's ICT4D network (with Ghana, Mozambique, Kenya and Senegal).
2. Developing an innovative and flourishing **postgraduate** research community, including substantial numbers of students from poor countries: There are 16 PhD students within the Collective, 12 (5 part-time; 7 full-time; including from Thailand, Brazil, China, India, Nigeria) of whom are supervised by the chairholder.
3. Delivering successful inter-disciplinary **undergraduate** courses in the field of ICT4D: A final year specialist course on ICT4D is delivered at Royal Holloway, which attracts students from both Geography and Management. Courses on ICT4D are being introduced in partner African institutions.
4. Training of significant numbers of people from poor and marginalised communities through high quality **short courses** on policy related matters delivered by the Collective: two successful series of workshop events were delivered in 2007-8. In December 2007, 9 academic colleagues from Ghana, Kenya and Mozambique participated in a series of workshops at Royal Holloway, the Centre for Distance Education, and the London Knowledge Lab on distance learning methods, mobile technologies, information resources and university IT strategies. In May 2008, workshops were held at the University of Education Winneba, and the e-Learning Africa conference in Accra, on ICT for sustainable development, on wikieducator, on monitoring and evaluation, and on multi-stakeholder partnerships.

Provision of cutting edge **consultancy** and **policy advice** for those involved in delivering ICT4D activities to the benefit of poor and marginalised communities. The chairholder is Senior Advisor to the World Economic Forum's *Partnership for Education* initiative with UNESCO, and in this capacity has played a major role in developing this initiative, including commissioning report on Multi-Stakeholder Partnerships for Education and Database, both of which were launched at the Forum's annual meeting in Davos, January 2008. He also led a workshop on monitoring and evaluating ICT-education initiatives at the Forum's regional summit in Sharm el Shaikh, May 2008. The chairholder is also a Fellow of Education Impact.

## **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"><li>1. Undergraduate course in ICT4D at Royal Holloway, University of London</li><li>2. Lectures to 2 UK schools on ICT4D</li><li>3. Contributions on ICT4D to Master's Programme in Practising Sustainable Development</li></ol>
ii) Training	<ol style="list-style-type: none"><li>1. Postgraduate Supervision in ICT4D (Chairholder 12 PhD students; others 4)</li><li>2. Workshops<ul style="list-style-type: none"><li>• Mobile technologies, December 2007, Royal Holloway, University of London (c.35 participants)</li><li>• information resources, December 2007, Royal Holloway, University of London (c.10 participants)</li><li>• University IT strategies, December 2007, Royal Holloway, University of London (c.10 participants)</li><li>• Wikieducator, May 2008, University of Education Winneba, Ghana, (c.15 participants)</li><li>• Sustainable development, May 2008, University of Education Winneba, Ghana, (c.75 participants)</li><li>• Monitoring and evaluation of ICT in education initiatives, e-Learning Africa, Ghana, May 2008 (c. 50 participants)</li><li>• Multi-stakeholder ICT4D initiatives, e-Learning Africa, Ghana, May 2008 (c. 50 participants)</li></ul></li></ol>
iii) Research	<ol style="list-style-type: none"><li>1. Completion of edited book on ICT4D, to be published late 2008 (page-proofs to be delivered 24 July 2008)</li><li>2. Ongoing research on<ul style="list-style-type: none"><li>• Multi-stakeholder ICT4D partnerships</li><li>• Use of ICT for people with disabilities</li><li>• Global donor system</li></ul></li></ol>

### **b) Conferences/Meeting**

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

#### **Activities by Chairholder**

#### **1. Workshops/Conferences convened by the Chair**

- Crafting multi-stakeholder partnerships for education, e-Learning Africa Accra, May 2008
- ICT4D Partnerships for African Higher Education Institutions workshops held at Royal Holloway, University of London, December 2007
- 'Promoting inclusivity through online learning' and 'Discussion Session on ICT4D', Online Educa Berlin, November 2007

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

- Pan Commonwealth Forum on Open and Distance Learning July 2008, London (Programme Committee)
- E-Learning Africa, Accra, May 2008 (Organising Committee)
- Online Educa Berlin, November 2007

#### **3. Conferences in which the Chair was a Keynote Speaker**

- Keynote on 'An academic in the realms of ICT4D practice', at IPID meeting on Academia meets Practice at UNESCO, April 2008
- Panellist Lifeline Network Drivers for Change, Portcullis House, November 2007
- Panellist, UNESCO Round Table on 'ICT for Inclusion', UN Global Forum on Youth and ICT for Development, Geneva, September 2007
- Keynote, IPID Symposium, Karlstad, Sweden, August 2007

#### **4. Conferences in which the Chair participated as plenary moderator**

- e-Learning Africa plenary on what is slowing down ICT-supported learning in Africa, May 2008
- Chair of Panel on Business Models for ICT Partnerships, ICT4All Forum, Tunis, November 2007

#### **Other conference activities**

- Kleine, D. (2008, June 2): *Research Themes of the Fair Tracing Project*. Paper presented at the 5<sup>th</sup> Workshop of the EPSRC Research Network "Bridging the Global Digital Divide", London Knowledge Lab (with Ann Light)
- Kleine, D. (2008, May 29): *Can we kick the Habit? Taking Development beyond the Growth Paradigm*. Paper presented at the CGTP/CEDAR Workshop on "New Directions in Development Theory and Practice: Interdisciplinary Perspectives", Royal Holloway, University of London
- Kleine, D. (2008, April 19): *"Like mixing water and oil" – State ICT Policies and Microentrepreneurs in Chile*. Paper presented at the Annual Meeting of the Association of American Geographers, Boston, MA, USA
- Kleine, D. (2008, Mar 14): *Development as Freedom - Erweiterung der persönlichen Freiheit als Ziel von IKT*. Invited Presentation for the Scientific Advisory Board of the Deutsche Telekom T-City Project, Friedrichshafen, Germany
- Kleine, D. (2008, Mar 6): *Global social responsibility, technology and consumer choice: the EPSRC Fair Tracing Project*. Invited Presentation at the New Political Communication Unit, Department of Politics and International Relations, Royal Holloway, University of London (with Ian Brown, Apurba Kundu, Ann Light, Maria Montero)
- Kleine, D. (2008, Jan 18): *Limits to Choice: Microentrepreneurs, Information and Communication Technologies and State Policies in Chile*. Paper presented at the Policy, Economy and Development in Latin America, interdisciplinary workshop at the Centre for Latin American Studies, Cambridge University.
- Kleine, D. (2008, Jan 8): *Report on the Fair Tracing Project*. Presented at the EPSRC Bridging the Global Digital Divide Research Network Annual Meeting, Emmanuel College, Cambridge. 8 January 2008, (with Ian Brown, Ashima Chopra, Apurba Kundu, Ann Light, Maria Montero, Christian Wallenta)
- Kleine, D. (2007, Sept 4): *Found in Translation: Experiences from the Fair Tracing Project*. Paper presented at the 2007 Human Computer Interaction Annual Conference, Lancaster University. (with Anne Light)
- Kleine, D. (2007, Aug 31): *Linking local realities: Using technology to connect Fair Trade consumers and producers*. Paper presented at the Royal Geographical Society (with IBG) Annual Conference, London.

#### **Major activities by postgraduates in the Collective**

##### **1. Conference presentations**

- Ugo Vallauri, 'Energy and ICT', APC conference on Equitable Access, Rio de Janeiro, November 2007
- Marije Geldof, position paper for the workshop on 'HCI for community and international development' at CHI2008 in Florence 5-6 April 2008 (<http://mikeb.inta.gatech.edu/HCI4CID/Geldof.pdf>)

##### **2. Workshops and conference activities by postgraduates**

- David Hollow, Leader of Half-day workshop at eLA 2008, Ghana - 'Effective evaluation of ICT for Education initiatives'
- Marije Geldof, participated and worked as a student volunteer in the CHI2008 conference in Florence 7-10 April 2008

### c) Interuniversity Exchanges/Partnerships

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

- In 2007-8 the Chair/Collective's major interuniversity partnership activity has been through its DeIPHE funded partnership with the University of Education Winneba (Ghana), the University of Maseno (Kenya), and Eduardo Mondlane University (Mozambique). Two series of events were organised, as noted elsewhere in this report: workshops and lectures at Royal Holloway, University of London in December 2007, and at Winneba in May 2008.
- Dorothea Kleine met the team of the UNESCO Chair in Women, Science and Technology at the Argentinian office of the FLACSO (Facultad Latinoamericana de Ciencias Sociales) in Buenos Aires on 2nd November 2007 to discuss future research collaboration.

### d) Publications/Multimedia Materials

(major publications and teaching/learning materials)

tick relevant fields of output and indicate volume of output:

	[tick]	[no.]
Books	<input type="checkbox"/>	
Books (edited)	<input type="checkbox"/>	
Books (chapters)	<input checked="" type="checkbox"/>	
Monographs	<input type="checkbox"/>	
Research Reports	<input checked="" type="checkbox"/>	
Journal Articles (refereed)	<input checked="" type="checkbox"/>	
Conference Proceedings & Occasional Papers	<input checked="" type="checkbox"/>	
Teaching/Learning Materials	<input checked="" type="checkbox"/>	
Multimedia Materials (CD-Rom)	<input type="checkbox"/>	
Multimedia Materials (Video)	<input type="checkbox"/>	
Multimedia Materials (Other)	<input type="checkbox"/>	

Give details of major publications and materials including full citations.

#### Papers by UNESCO Chairholder

Unwin, T., Tan, M. and Pauso, K. (2007) The potential of e-learning to address the needs of out-of-school youth in the Philippines, *Children's Geographies*, 5(4), 443-462 (see also UNESCO awards for ICT in Education Innovation)

Unwin, T. (2007) No end to poverty, *Journal of Development Studies*, 45(3), 929-953.

#### Publications by members of the ICT4D Collective/UNESCO Chair

M.K. Sein, Ahmad, I. and Harindranath, G. (2008), forthcoming - "Sustaining ICT for development: The case of Grameenphone CIC", *Teletronikk*, 1/2008

G. Harindranath and Sein, M.K. (2007), 'Revisiting the role of ICT in development', *Proceedings of the 9th International Conference on Social Implications of Computers in Developing Countries*, São Paulo, Brazil

Kleine, D. (2008, accepted, forthcoming): "E-Procurement and Local Development". In: Unwin, T. (ed.), *Information Technologies for International Development*, Cambridge: Cambridge University Press

Kleine, D. (2008, under review, forthcoming) "How Fair is Fair Enough? Negotiating Alterity and Compromise within the German Fair Trade movement". In: Fuller, D., Lee, R. and Leyshon, A. (eds): *Alternative Economic and Political Spaces*, Aldershot: Ashgate

Kleine, D. (accepted, forthcoming 2008): The Ideology behind the Technology – Chilean Microentrepreneurs and Public ICT Policies, submitted to *Geoforum*

Kleine, D. (2008): Negotiating Partnerships, understanding power: Doing Action Research on Chilean Fairtrade Wine Value Chains, *The Geographical Journal*, 174 (2), 95-191

Kleine, D. (2007) *Empowerment and the Limits of Choice: Microentrepreneurs, Information and Communication Technologies and State Policies in Chile*, (unpublished PhD thesis), Department of Geography and Environment

London, London School of Economics and Political Science

Kleine, D. (2007) – Contributing to two podcasts for the Open University Module T324: *Keeping Ahead in Information and Communication Technology*

### **Publications (and conference proceedings) by postgraduate students**

Hollow, 2008 'Low-cost laptops for Education in Ethiopia.' Summary of Addis Ababa Implementation Report, September – December 2007

Masperri & Hollow, 2008 'The potential role of portable interactive learning technology within basic education in Malawi', MoEST Draft Report – April 2008

Hollow, 2008 'The place of monitoring, evaluation and impact assessment within eLearning programmes' Workshop proceedings from InWEnt eAlumni workshop, Feb 18-22, Zschortau

Everts, B., Herren, M. and Hollow, D. (2008) *Ethiopia Implementation Report, September-December 2007*, Baar: Eduvision

Geldof, M. (2007) ICT for low-literate youth in Ethiopia: the usability challenge, in: *Usability and Internationalization. Global and Local User Interfaces*, Berlin and Heidelberg: Springer, 67-76

### **UNESCO Chair/ICT4D Collective, Working Papers Series**

- Tim Unwin (2008) Making a case to bilateral donors for ICTs in development practice (published on SPIDER's digital environment)
- Joyojeet Pal (2008) Computers and the promise of development: aspiration, neoliberalism and 'technolity' in India's ICTD enterprise
- David Hollow (2008) Low-cost laptops for education in Ethiopia
- Pat Hall (2008) Computers in schools - what should be done? The pros and cons of "one laptop per child"
- Tim Unwin (2008) Report on e-Learning in Africa
- Sugata Mitra (2007) Hole in the Wall

### **Digital environments, regularly updated**

ICT4D website (<http://www.ict4d.org.uk>) - currently ranked 1<sup>st</sup> out of 680,000 for searches for ICT4D on [www.google.co.uk](http://www.google.co.uk)

ICT4D postgraduate environment (<http://moodle-ict4d.rhul.ac.uk/course/view.php?id=7>)

ICT4D Africa environment (<http://moodle-ict4d.rhul.ac.uk/course/view.php?id=3>)

### **e) Other**

#### **(any other activities to report)**

The Chairholder was employed part-time as Director of the World Economic Forum's *Partnerships for Education* initiative with UNESCO until January 2008, and since then has been employed as Senior Advisor. He is also a Fellow of Education Impact, and Chair of the Advisory Board of Eduvision Ch.

### 3. Available Resources

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

#### a) Human Resources

As noted in section 1, a clear formal structure for the Chair is still being negotiated. In origin, the Chair was built from a collective enterprise through which people came together to explore and deliver on shared agendas. 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 ICT4D Collective and thus also with the Chair:

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

In more formal institutional terms, the 'Chair' currently consists of the Chairholder (Tim Unwin), the Honorary Research Associate and 12 of the PhD students. In order to expand the human resources available, Tim Unwin went part-time in January 2007, enabling a saving on his salary to be used to appoint an additional staff member. As a result, Dorothea Kleine was appointed to the Geography Department for an initial 3 year period, and we are delighted that this appointment was made permanent in June 2008.

#### b) Other Resources

tick sources of financial contribution

	[tick]
Host Institution	<input checked="" type="checkbox"/>
Partner Institution	<input type="checkbox"/>
Government Body	<input type="checkbox"/>
Other Public Institution/Body (incl. Research Councils)	<input type="checkbox"/>
UNESCO	<input type="checkbox"/>
Other UN Agency	<input type="checkbox"/>
IGO	<input type="checkbox"/>
NGO	<input type="checkbox"/>
Industry	<input checked="" type="checkbox"/>
Other Private	<input type="checkbox"/>
National Research Councils	<input checked="" type="checkbox"/>

Give details of financial contributions, material resources and space.

The 'Chair' is not an independent financial unit within the University. The Chairholder is a member of the Geography Department, as is Dr. Kleine, and the majority of the research students. Likewise, other members of the ICT4D Collective, who contribute to the work of the 'Chair' are members of other Departments, and funded accordingly.

Royal Holloway therefore provides salaries of the relevant staff as well as office space for them and their postgraduate students. 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:

- DelPHE funded ICT4D partnership (with institutions in Ghan, Kenya and Mozambique) £25,000
- ESRC CASE 3 year PhD studentship with Cisco Systems (David Hollow)
- Microsoft Postgraduate Research studentship (Marije Geldof)

In July 2008, the Chair, in a grant proposal led by the University of Joensuu, was informed that it had been successful in gaining €500,000 Edulink funding from the European Commission, but this has not yet been signed off.

#### **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:

The most pressing need in the short term is to finalise the precise status of the Chair within the institution. Discussions about its status are about to be concluded.

Other short term objectives (2008-10) include:

- Appointment of two part-time staff to administer the virtual network associated with the Edulink funded ICT4D partnership
- Completion of appointment of International Advisory Board
- Delivery of workshops and research in Africa associated with Edulink funding
- Hosting of 2 ICT4D-related workshops during 2008-9
- Completion of research associated with DelPHE funded ICT4D partnership with African HEIs
- Submission of at least one new CASE PhD studentships
- Completion of PhDs on schedule
- Gaining of additional private sector collaborative research funding
- Development of multi-disciplinary seminar series

##### Medium term (2010-2012):

Medium term strategic objectives include:

- Development of further shared learning resources in ICT4D across the Chair's various partnerships
- Expansion in the number of partnerships with civil society, the private sector, and bilateral donors
- Development and implementation of specific short courses on aspects of ICT4D
- Continued enhancement of research activities.
- Renewal of status of UNESCO Chair
- To establish reputation as one of the leading international centres in the field of ICT4D