

Open Education for a Multicultural World: A report from the Research on Open Educational Resources for Development (ROER4D) project in the Global South

Cheryl Hodgkinson-Williams & Patricia Arinto OCWC 2014 Conference, Ljubljana, Slovenia 25 April 2014



Key challenges facing education in the Global South



OER for developing countries / emerging economies / low income countries / Global South

HOME CONFERENCE SNEAK PREVIEW FIELD STORIES OPINIONS TRENDS JOBS *

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TRENDS

Finding the sweet spot: open educational resources in the developing world

on December 17, 2012



With debate about the benefits and future of the MOOC dominating the educational blogosphere in the last year, discussions about the open sharing of educational resources are becoming more prevalent. Open Educational Resources, or OERs, offer a potential tool for impacting education in developing countries and fast growing economies, particularly in the emerging technology hubs of Africa. These open, freely available educational resources can provide top education for people who don't have

eLearning Africa News Perspectives on ICT, Education and Development in Africa

access to universities or education in developing countries, but there is fear that educational resources created in highly developed countries will be of little use to those in developing countries because of cultural and economic differences.

Open Educational Resources are described by UNESCO (http://www.unesco.org/new/en/) as being teaching, learning or research materials that are free to distribute or adapt. The MOOC is a great example of an OER, and organisations like Coursera (https://www.coursera.org/), Udacity (http://www.udacity.com/) and edX (https://www.educorg/) are working in Claims made about potential of Open Educational Resources to address key challenges in **developing countries** to:

- increase access to higher education
- contain or reduce costs
- enhance quality, currency & relevance

BUT, most of the research or OER adoption and on impact has been undertaken in the "Global North"



IDRC 💥 CRDI







Research on Open Educational Resources (OER) for Development

In what ways, and under what circumstances can the adoption of OER address the increasing demand for accessible, relevant, high-quality and affordable education and what is its impact in the Global South?

in the Global South









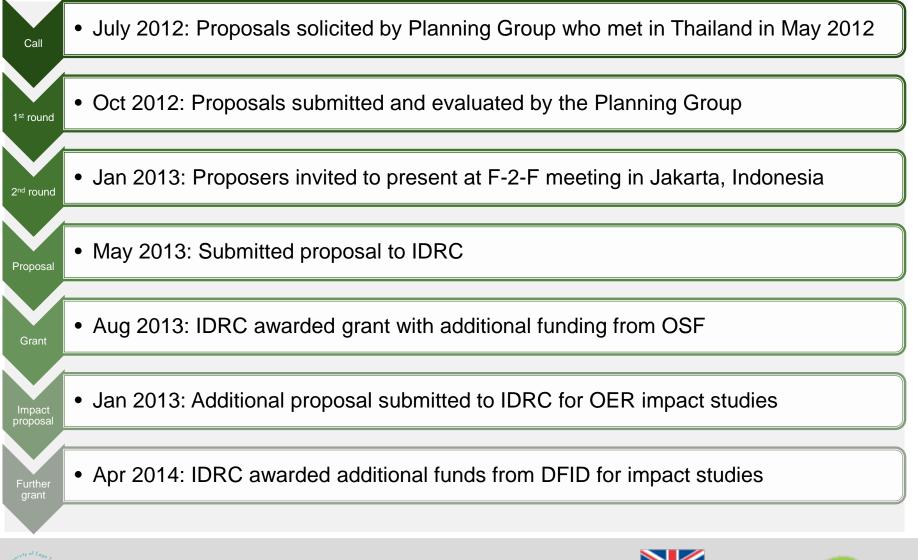


ROER4D following in the footsteps of OER Asia



Download (4,397 KB)

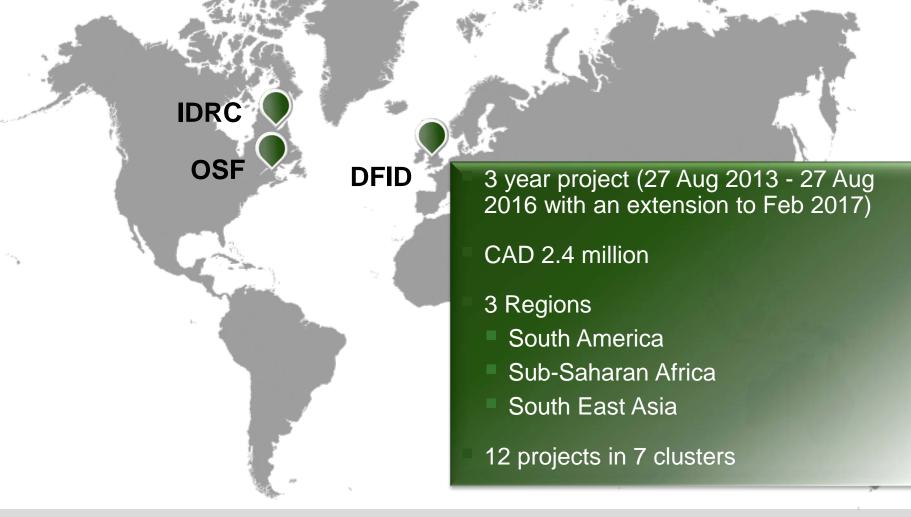
Project Proposal







Funding: International Development Research Centre, Open Society Foundation & UK's Department for International Development





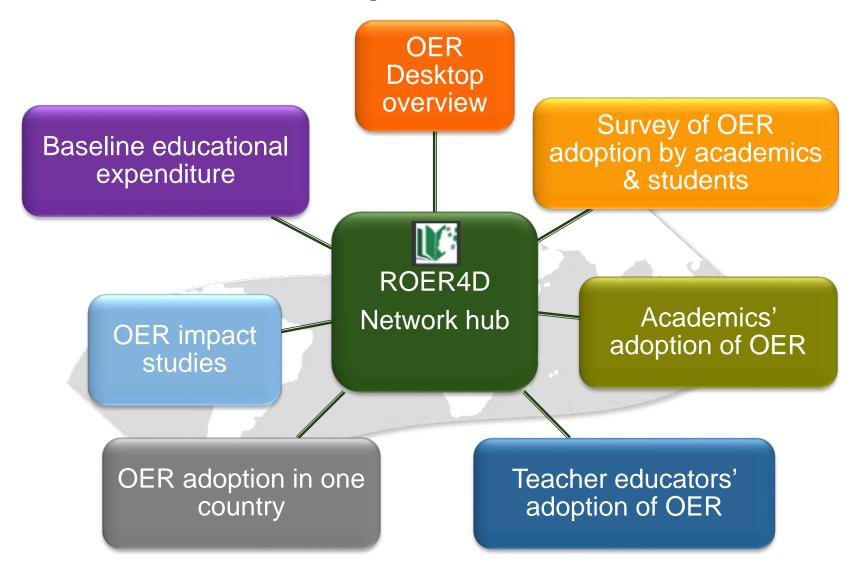




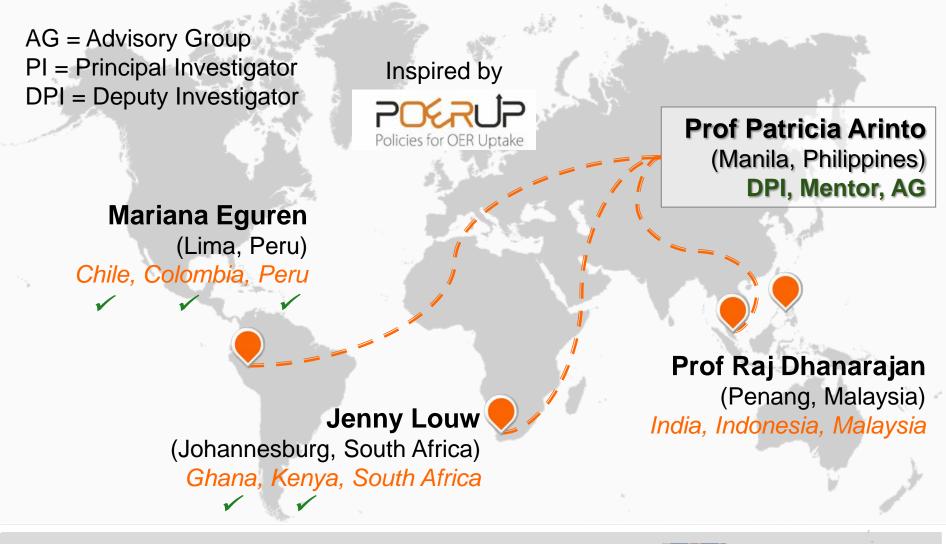




Overview of the ROER4D projects 7 Project Clusters



Sub-Project 1: OER Desktop Review - progress













Sub-Project 2: OER Survey

Dr George Sciadas (Ottawa, Canada) Statistician

Prof Stavros Xanthopoylos (FGV, Rio, Brazil) Mentor, AG



GO-GN Judith Pete (Nairobi, Kenya & PhD student in GO-GN) * 3 countries,

* 12 institutions









Prof Daryono

* 3 countries,

* 12 institutions

(Jakarta, Indonesia)



Sub-Project 2: OER Survey – progress – still contracting

OER differentiation refers to the inequalities in the use of OER by some members of the society search .			
Home >> OER Survey			
Main Menu Home OER Differentiation Proposal OERDNews ROER4D Project OER Sites OER Survey	 Latest News Indian food Indonesian food Free online courses news - The Guardian (England) South Africa's typical dish Interview with Brazil's local vice-coordinator - Ricardo Bueno OER Survey	Popular • Welcome mensage • Malaysia • Brazil • South Africa • Agenda for the meeting	
 Public Reports Africa News Asia News Latin America News Calendar 	 # Web Link 1 Our UNESCO/Commonwealth of Learning Survey on Governments' OER Policies 	Display # 20 • Hits 83	
GTranslate	 CERI/OECD OER Follow-Up Survey JISC OER Impact Study survey OPAL survey on the use of Open Educational Resources (OER) 	81 76 87	
Social Network	 5 ORIOLE Survey 2011 6 OB SESAME Project Baseline Tutor Survey 7 OER Asia Survey 	83 79 81	

Sub-Projects 3 & 4: Academics' adoption of OER - progress

Prof Cheryl Hodgkinson-Williams (Cape Town, South Africa) PI, Mentor, AG GO-GN GO-GN & Henry Trotter (Cape Town, South Africa) University of Cape Town, University of Fort Hare, UNISA

Prof Sanjaya Mishra & Dr Atul Thakur & Meenu Sharma (New Delhi, India) 4 institutions in the process of being selected











Sub-Project 3: Academics' adoption of OER - progress



http://roer.cemca.org.in/

Sub-Projects 5, 6 & 7: Teacher educators' adoption of OER













Sub-Project 6: Collaborative co-creation of OER by teachers & teachers educators in south western **Colombia - progress**

Advances:

- Jeveloped Project Website
- 8 groups of teachers selected in schools that will create OER
- Project Logo created collaboratively with teachers
- ✓ First virtual meeting with teachers: <u>April 11/2014</u>
- ✓ Lecture on OER and co-KREA Project in Education Freedom Day in Popayán
- Socialization with other teachers' communities through Social Networks

COKREA

http://karisma.org.co/cokrea/



First videoconference with teachers. Ulises Hernandez. By CC.







Sub-Project 8: OER adoption in one country

Dr David Porter (BCampus, Canada) Mentor

Batbold Zagdragchaa & Baasansuren Burmaa

(Ulaanbaatar, Mongolia)



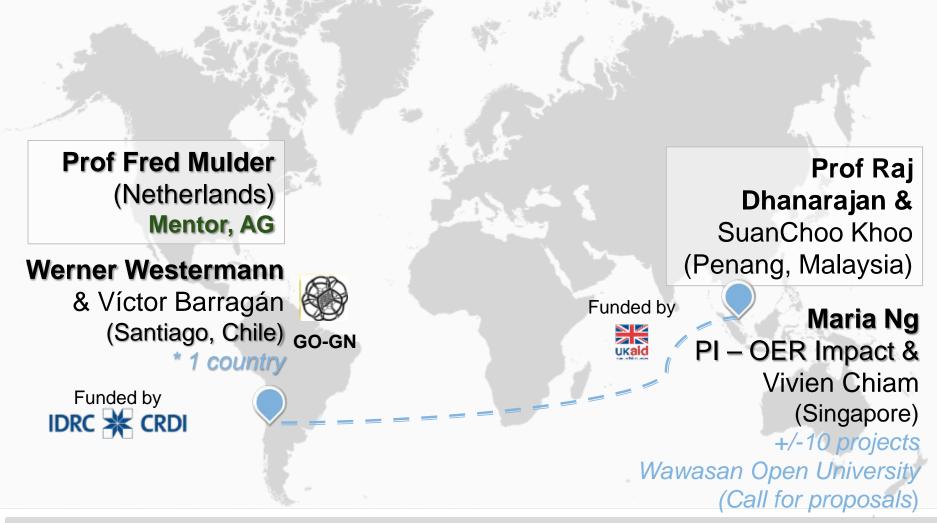








Sub-Projects 9 & 10: OER Impact Studies













Call for proposals: Impact studies

- Asia and Sub-Saharan Africa
- CAD 50 000 each
- 18 months
- South-North partnerships

ROER4D

Research on Open Educational Resources for Development

Pre-Announcement

PRE-ANNOUNCEMENT

Open Call for Expressions of Interest to conduct studies on the Impact of Open Educational Resources on Education and Training in Asia and Sub-Saharan Africa

The Coordinators of the <u>Research on Open Educational Resources for Development</u> (ROER4D) programme will be calling for research proposals for funding, on the theme of Impact of OER in the developing regions of Asia and Sub-Saharan Africa.

This is a Pre-Announcement to invite you to submit your expression of interest. Your expression of interest will serve to assist us in gauging the range of research interests within the thematic of OER Impact Studies in Asia and Sub-Saharan Africa, as well as the budget level needed for carrying out OER impact research. This Pre-Announcement is also to maximize the lead time for you to prepare your full impact study proposal for submission when the actual Call for Grant Applications is launched.

Guidelines for Submitting Your Expression of Interest

www.oer-impact.net

Sub-Projects 11 & 12: Educational Expenditure

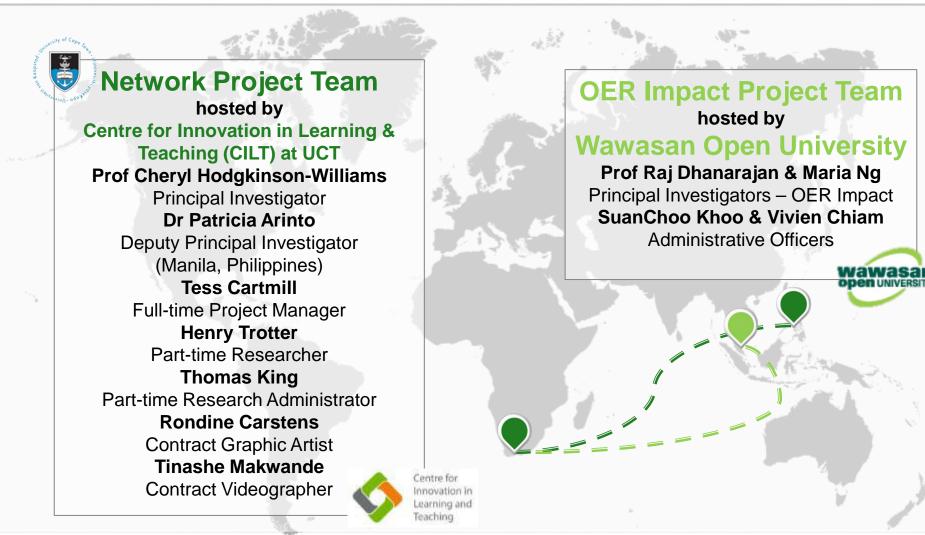








Network Hub



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ROER4D Objectives

1. Build an **empirical knowledge base** on the use and impact of OER in education



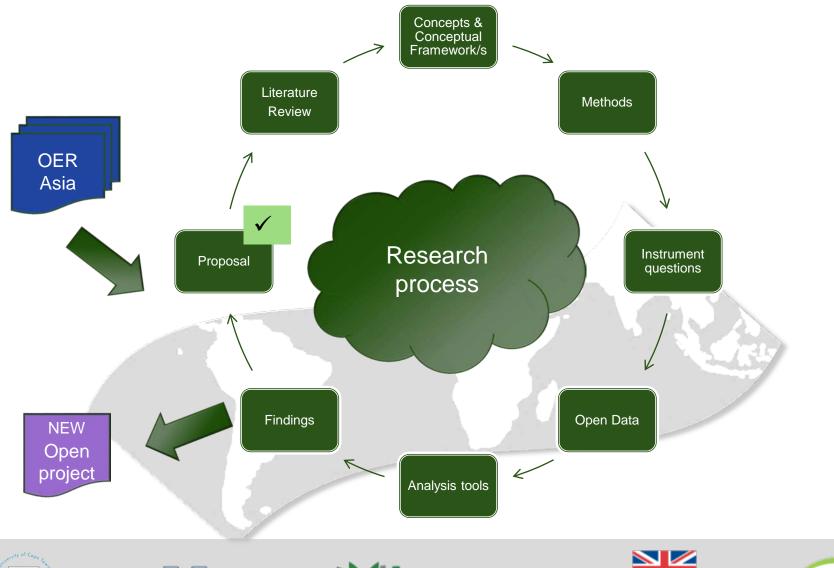








Open Research – ROER4D intentions to share













ROER4D Objectives

1. Build an **empirical knowledge base** on the use and impact of OER in education

2. Develop the capacity of OER researchers

- Face-to-face research workshops
- Virtual research working sessions
- Support from mentors











Research capacitation through question harmonisation

4 goals:

- Harmonise our research questions, where possible, with that of other OER studies such as OER Research Hub, OER Asia
- Harmonise our research questions, where possible, across our 12 projects
- Use this QH process to build the research capacity of our subproject researchers and research associates
- Provide a model of best practices for other research for development projects concerning QH

1. Consulted 9 major OER surveys to help develop our own questions

Research on	ROER4D	4 of 2:
rela bet edu wite and	there a stationship stationship ducators' role(s) ducators' role(s) tithin the institution nd their adoption r OER?	Study 1 – UNESCO Study 3 - JISCOER - Teaching Staff Study 5 - Right and rewards Study 7 - Oriole 2013 McKetlich, Ives McGreal (2013)

2. Consulted other OER studies and compared numerous proposed questions

	RO	ROER4D Question Harmonization Surveys Consulted (Thus Far)
Role in Institution	is there a relationship between the educatorit [®] role within the inst and their adop of OER/T	 <u>UNESCO/COL Survey on Governments' OER Policies</u> – which resulted in <u>this report</u>. <u>CERI/OECD OER Follow-Up Survey</u> – OER use by educators and researchers in tertiary education. <u>JISC OER Impact Study survey</u> –on OER use and sharing by educators (pp 69-79). <u>OPAL survey on the use of OER and OEP in HE and ALUnstitutions</u> – (pp 171-186). <u>Rights and Rewards Project survey</u> – focused on academics' use of repositories and sharing (pp. 171-180). <u>ORIOLE Survey 2011</u> – HE professionals' use, reuse and sourcing of learning resources. <u>ORIOLE Survey 2013</u> – an updated, internationalised version of ORIOLE 2011, also in Spanish. <u>SESAME Project Baseline Tutor Survey</u> – focusing on OER use by tutors in the AL & CE sectors. <u>OER Asia Survey</u> – OER use in Asia. UCT MEd minor dissertation study [available from Cheryl] <u>McKerlich, Ives & McGreal (2013) Measuring Use and Creation of Open Educational Resources in Higher Education</u> <u>OCWC User Feedback Survey</u> <u>Rossy</u>, Brown & Bull (2011) <u>Adoption, use and management of Open Educational Resources to enhance teaching and learning in Australia.</u>
		 Falconer (2012) - <u>OER4Adults Short Poll</u> <u>SUDDESS</u>, S (2012) - <u>Learner-Centred Education through OER</u> <u>OER Research Hub Survey</u> Rolfe, V (2012) - <u>Open educational resources: staff attitudes and awareness</u> Reed, P (2012) - <u>Awareness, attitudes and participation of teaching staff towards the opencontent movement in one university</u> CERI/OECD Survey - <u>Giving Knowledge for Free: The Emergence of OER</u> (pp.131-138) Murphy, <u>A</u> (2012) <u>Benchmarking OER Use and Assessment in Higher Education</u>

3. Discussed question options, chose the best & recorded the rationale for our decision

tale in institution	Is there a relationship between the educators' roll within the inst and their adop of OERT

hab file and

ROER4D Qu

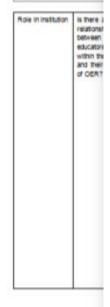
2. CERI/OECD (JISC OER IM OPAL SURVEY 5. Rights and R 171-180). **ORIOLE SURV ORIOLE SURV** SESAME Pro 9. OER Asia Sur 10. UCT MEd mi 11. McKerlich, IV Higher Educa 12. OCWC User 13. Bossu, Brown enhance tea 14. Falconer (20) 15. Gunness, 5 (3 16. OER Researd 17. Rolfe, V (201 18. Reed, P (201) opencontent. 19. CERI/OECD 5 20. Murphy, A (2 **DEMOGRAPHICS**

	Factor / Concept	Research question	ORIGINAL question	UPDATED question	Rationale for change
1	Name of respondent	(For initial identification only – to be anonymised in the questionnaire responses and interview transcripts)	Name of respondent	Name of respondent ## First name ## Surname (if applicable)	Because some people only have one name, we added the words 'if applicable' after the surname
2	Gender	Is there a relationship between students and educators' gender and OER adoption?	Please tick: Male Female	Please tick: ## Female ## Male ## Transgender/Other	We added Transgender/Other to the male and female choices so as to cater to any respondents who feel that their gender exists outside the two usual categories.
3	Age	Is there a relationship between students and educators' age and OER adoption?	Please tick age category: <19, 20-29, 30-39, 40-49, 50-59, 60-69, >70 In which age category would you fit? What is your age? **24 or under **25 to 34 **35 to 44 **45 to 54 **55 to 64 **65 or over	Please tick age category: ## <20 ## 21-25 ## 26-35 ## 36-45 ## 46-55 ## 56-65 ## 66+	We are still deciding how to phrase this, as 5-year options as listed to the left, or through a drop-down menu with birth years. If we use birth years, then we can code the data ourselves after the fact, free of the artificial 5-year or 10-year categorizations that are common in other studies.
4	Disability	Is there a relationship between disability, and/or disability types, and OER adoption?	[Nothing]	Do you consider yourself to have a disability? ## Yes ## No	After consulting the OER Research Hub Survey, we decided to add this as well. It makes sense that

1 of 13

4. Shared Qs with researchers, also showing how they would appear in survey form

R



ROER4D Sample Survey: Demographics Section

5.	In which country do you work?	[choose from drop-down list]
б.	What institution do you work in?	(Write out)
7.	In which area do you work?	(Tick one) Agriculture and Veterinary Business and administration Education Education Health and Welfare Humanities and Arts Science, Mathematics and Computing Services Social Sciences and Law Other (please specify)
8.	What role(s) do you have within the University?	(Tick all that apply) Teaching undergraduate students Teaching postgraduate students Supervising research students Professional development of trainee teachers or early-career lecturers Professional development of experienced lecturers Other (please specify)
9.	Please indicate the type of education activity you are involved with:	(Tick all that apply) = Face-to-face = Distance/Online = Blended/Hybrid (Face-to-face and Distance/Online) = Work-based training = Other (please specify)

5. Connect with researchers online to discuss and finalise Q harmonisation



6. Continue discussion off-line via Discussion Forum and/or email

Home 🏡	Research Process > Question Harmonisation					
Announcements 🗐 🧃	Add Text Add Multimedia Add Resource Add Subpage Add Question Add Assignment Add Quiz More Tools 🖃					
Resources 🚞	Edit Question Harmonisation					
Research Process 💴	This space supports the Question Harmonisation Adobe Connect sessions. You are invited to review and comment on dra					
Forums 埦	other researchers. You can also listen to a recording of the Adobe Connect session.					
Chat Room 🧟	The purpose and key activities of the question harmonisation process is designed to:					
Wiki 🌽	 Define the key "concepts" in which we are interested in the ROER4D research studies - there will be some that are sha Surface the the underlying assumptions/hypothesis that these questions suggest to make sure we know WHY we thinl Optimise opportunities for comparison across the regions, countries, institutions, educators and students - so that we in 4) Reduce the number of questions to make the research data gathering and analysis process manageable 					
Email Archive 🖂						
Participants 💻	5) Make sure we can all answer our intended research questions!6) Reduce the effort of the individual researchers.					
Search 🏙	Edit Topic 1: Demographic questions					
Site Setup 遲	View DRAFT demographic questions					
Site Stats 💼	Edit Issten to the Adobe Connect session on DRAFT demographic questions Edit Discuss ROER4D DRAFT demographic questions					
Lectures 🗔	Edit Topic 2: Access questions					
Help 😡	Edit Issue DRAFT access questions Edit Listen to the Adobe Connect Session on DRAFT Access and Creation questions Edit Discuss ROER4D DRAFT access questions					
	Edit Topic 3. Creation questions					
	Edit View DRAFT creation questions					

- Edit 🛛 👨 Discuss ROER4D DRAFT creation questions
- Edit In Listen to the Adobe Connect Session on Access and Creation questions (same recording as Topic 2)

ROER4D Objectives

1. Build an **empirical knowledge base** on the use and impact of OER in education

2. Develop the capacity of OER researchers

3. Build a network of OER scholars











The Global OER Graduate Network (GO-GN)



Next appointment. 2nd GO-GN Seminar

April 21 – 25 in Ljubljana, Slovenia

In conjunction with OCWC Global Conference



Visit the 2n GO-GN Seminar portal clicking here.

Visti the OCWC Global Conference clicking here.

The first GO-GN seminar finished with success



3 ROER4D researchers & 2 Advisory Group members are part of GO-GN

OER Research Hub

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Welcome. We research the impact of open resources (OER). Through collaboration wit organisations and institutions around the w a fuller picture of the difference OER make understanding of open education.

Draft agenda for conversation with OER Research Hub

Online meeting on 18th March at 4pm SA time/ 2pm GMT URL for meeting: <u>http://meeting.uct.ac.za/roer4d/</u> (You can log in as a Guest. We will be in the meeting room on Adobe Connect an hour before the meeting so that you can check your audio.) Agenda Host: Sukaina Walji, ROER4D Communications 1. Introductions: Brief overview from ROER4D (Cheryl Hodgkinson-Williams) 2. Introductions: Brief overview from <u>OER</u> Research Hub (Martin Weller)

ecent Work: Take our worldwide OER survey / Webinar n 10 videos / Reports / Flipped Learning Infographic / We

3. Focus area for ROER4D and possible area for collaboration: Research question harmonisation across projects (Cheryl Hodgkinson-Williams)

ROER4D Objectives

1. Build an **empirical knowledge base** on the use and impact of OER in education

2. Develop the capacity of OER researchers

3. Build a network of OER scholars

4. Curate and communicate research to inform education policy and practice











ROER4D Website



http://roer4d.org/

ROER4D Network Team

Funding Partners

Dr Matthew Smith IDRC Ed Barney UK Aid – DFID Melissa Hagemann OSF **UCT Support Prof Danie Visser Deputy Vice- Chancellor** Project signatory for UCT **Keval Harie** Contracts Lawyer **Dr Cheryl Brown CET** Acting Director Shirley Rix & Leigh Wentzel **Finance administrators**

Evaluation & Communication

Mthunzi Nxawe Sukaina Walji

Network Project Team

Prof Cheryl Hodgkinson-Williams Principal Investigator Prof Patricia Arinto Deputy Principal Investigator Tess Cartmill Full-time Project Manager Henry Trotter Part-time Researcher Thomas King Part-time Research Administrator Rondine Carstens Contract Graphic Artist Tinashe Makwande Contract Videographer

OER Impact Project Team

Prof Raj Dhanarajan & Maria Ng Principal Investigators – OER Impact SuanChoo Khoo & Vivien Chiam Administrative Officers

Advisory Group

Prof Raj Dhanarajan Former VC & Emeritus Professor Prof Fred Mulder Former VC & Emeritus Professor Carolina Rossini IP Contracts lawyer Dr Savithri Singh College Principal Prof Stavros Xanthopoylos Director FGV

Mentors

Ineke Buskens Qualitative Research Consultant Dr David Porter Researcher Dr George Sciadas Statistician











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