

# Benchmarking OER Use and Assessment in Higher Education

Report compiled by Angela Murphy  
Australian Digital Futures Institute  
19 September 2012



## Table of contents:



# Survey Background



*Successful implementation of open education approaches creates unprecedented possibilities for all countries to provide free learning opportunities for their students, especially those learners currently excluded from the formal sector (Mackintosh, 2012).*

- The Open Educational Resources (OERs) movement and increasingly open educational practices seemed set to change the future landscape of higher education.
- The potential of OER to transform educational practice has not been realised and use in higher education has not yet reached critical threshold (Stacey, 2010) due to a lack of focus on policies and practices required to support the development and use of OERs in higher education (Ehlers, 2011).
- Open Educational Practices are the second wave of the OER movement aimed at supporting the creation, use and management of OER through institutional policies, which promote innovative pedagogical models, and respect and empower learners as co-producers on their lifelong learning path (Andrade et a., 2011).
- The OER university (OERu) is one of these initiatives that aims to provide free learning to all students worldwide using courses based solely on OER, with pathways to gain credible qualifications from recognised education institutions (Mackintosh, 2012).
- The survey was created to explore the extent to which higher education institutions have embraced open education practices and enable benchmarking against the practices implemented by members of the OERu network (also known as the OERTen partner institutions).

*The OERu is based on a conceptual framework that provides a structure for enabling free learning opportunities for students who lack the means to access traditional higher education (Taylor, 2007).*

- The OERu signifies a step towards developing a feasible framework for integrating available OERs into assessable online courses.
- The OER Foundation is an independent, not-for-profit organisation that works internationally to support mainstream adoption of OER in the formal education sector (Mackintosh, 2012).
- The OER Foundation co-ordinates the OER Tertiary Education Network, an innovation partnership of accredited universities, colleges and polytechnics from around the world that are collaborating on the implementation of the OER university (Mackintosh, Taylor, & McGreal, 2011).
- The OERu network consists of 15 founding anchor partners, 13 education institutions and 2 public organisations). The 13 education institutions are as follows:

University of Southern Queensland	Australia	NorthTec	New Zealand
University of Wollongong	Australia	Nelson Marlborough Institute of Technology	New Zealand
Athabasca University,	Canada	The University of Canterbury	New Zealand
Thompson Rivers University	Canada	University of South Africa	South Africa
Dr. Babasaheb Ambedkar Open University	India	Southern New Hampshire University	USA
Open Polytechnic	New Zealand	Empire State College (State University of New York)	USA
Otago Polytechnic	New Zealand		

*The aim of the study was to identify the extent to which open education practices are adopted and institutionalised by higher education institutions globally.*

- This study had two objectives:
  1. To identify key institutional policies and practices that support the successful implementation of formal assessment and accreditation services for informal learning based solely on open educational resources (OER), with reference to recommendations provided by an “experts” group within the OER university network.
  2. To enable institutions that are not members of the OERu to determine their compatibility with the OERu concept, in other words, to identify aspects of current policies and practices at their institutions that would hinder or support the implementation of sustainable assessment and accreditation initiatives based on OERs, in collaboration with other institutions.
- The survey is targeted at two groups of participants:
  - Higher education institutions that are officially members of the OERu network (also known as the OERTen partner institutions).
  - Higher education institutions that are not members of the OERu.
- The research survey was jointly created with Gabi Witthaus from the Beyond Distance Research Alliance (University of Leicester) and Wayne Mackintosh from the OERu Foundation.
- The project was partially funded by a grant from USQ’s Early Career Researcher Program

*This presentation contains the results from the total sample. A capability index is under development using the results from the OER network participants and will be released shortly.*

- The survey was programmed and hosted using an online survey tool.
- A link to the survey was disseminated using social media such as Twitter and Facebook and through newsletters and discussion forums, including the OERu (detail).
- A total of 110 responses were retained for analysis - these included complete responses as well as partial responses that had completed a significant component of the survey.
- Participants included 12 higher education institutions that are officially members of the OERu network and 98 that are not partner institutions.
- Many of the questions were derived from a series of interviews carried out by Gabi Witthaus with individuals from institutions participating in the OER university (OERu) network.
- Participants from the United Kingdom are overrepresented in the sample and UK institutions were excluded from a number of questions as a further aim of the survey was to contribute to the [TOUCANS project](#) completed by Gabi Witthaus to identify reasons for low participation in the OERu concept in England.
- The results from this research are licensed under a [Creative Commons Attribution 3.0 Unported License](#).
- For more information on the project visit the ORION project page at <http://adfi.usq.edu.au/projects/orion/>

# Sample Details

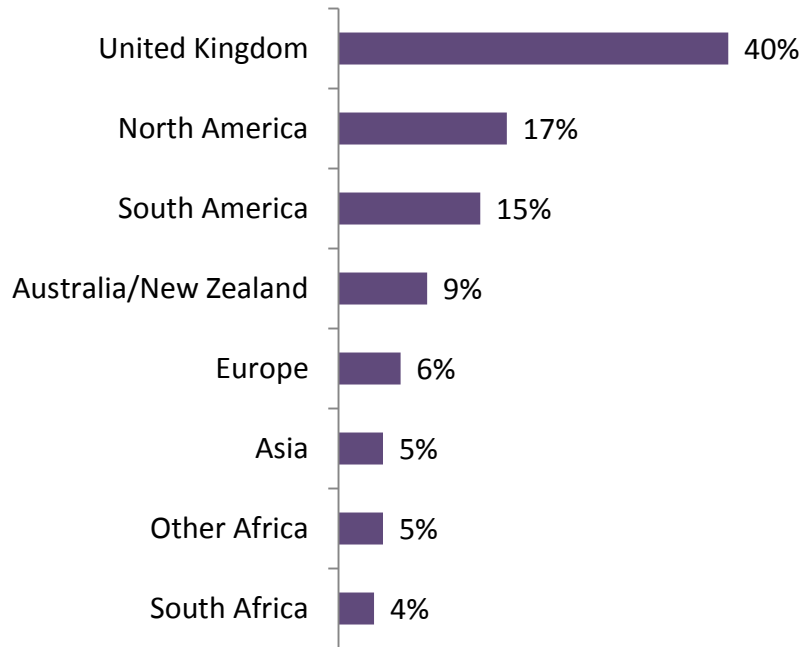




## Institution / Organisation Information

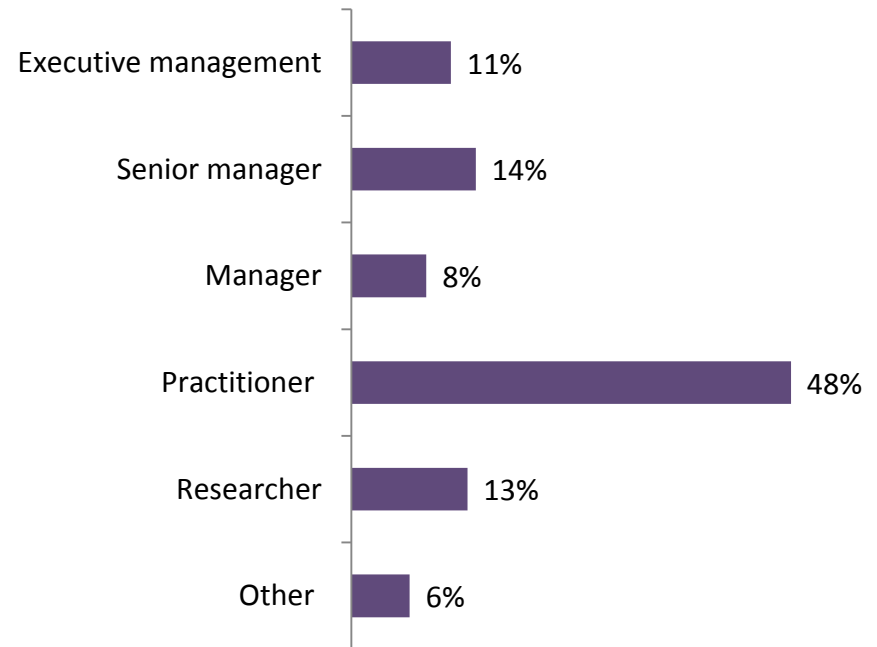
*The majority of respondents were from the United Kingdom, followed by North and South America. The sample was mostly made up of practitioners, yet there was representation from management levels as well.*

### Continent



Continent (Aggregate) (n=110)

### Level

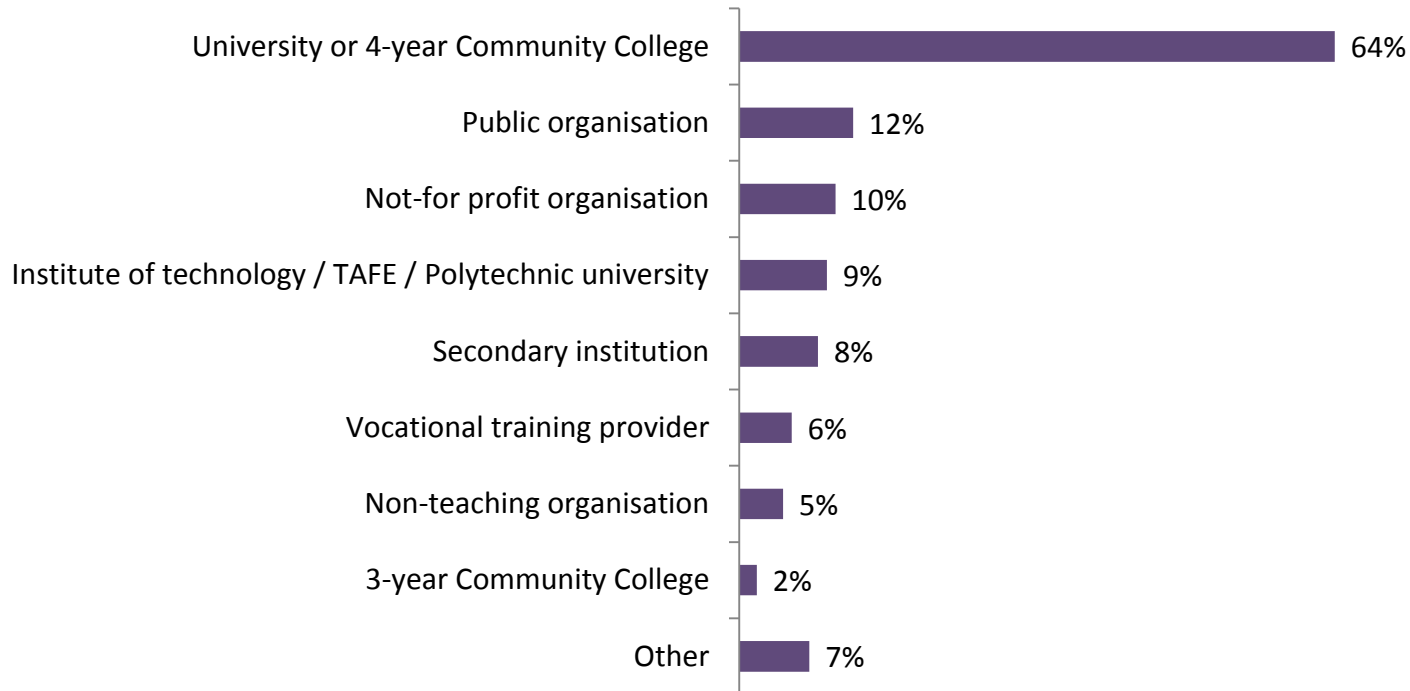


Which of the following categories best describes the capacity in which you are responding? (Select one) (n=184)

## Institution / Organisation Information

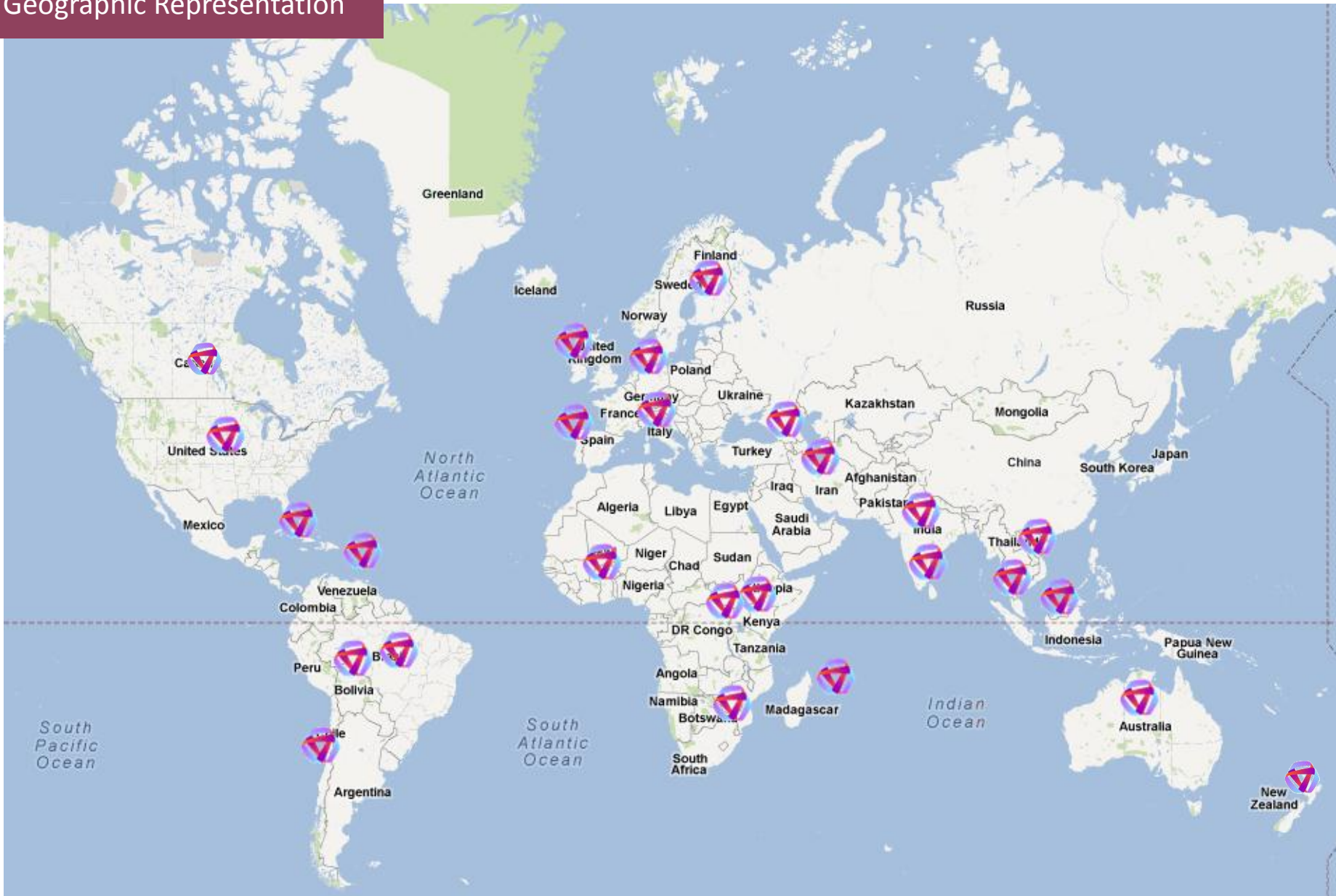
*Participants mostly represented universities or 4-year community colleges, yet public and not-for profit organisations were also represented due to the significant involvement of these organisations in the OER network.*

### *Type of organisation*



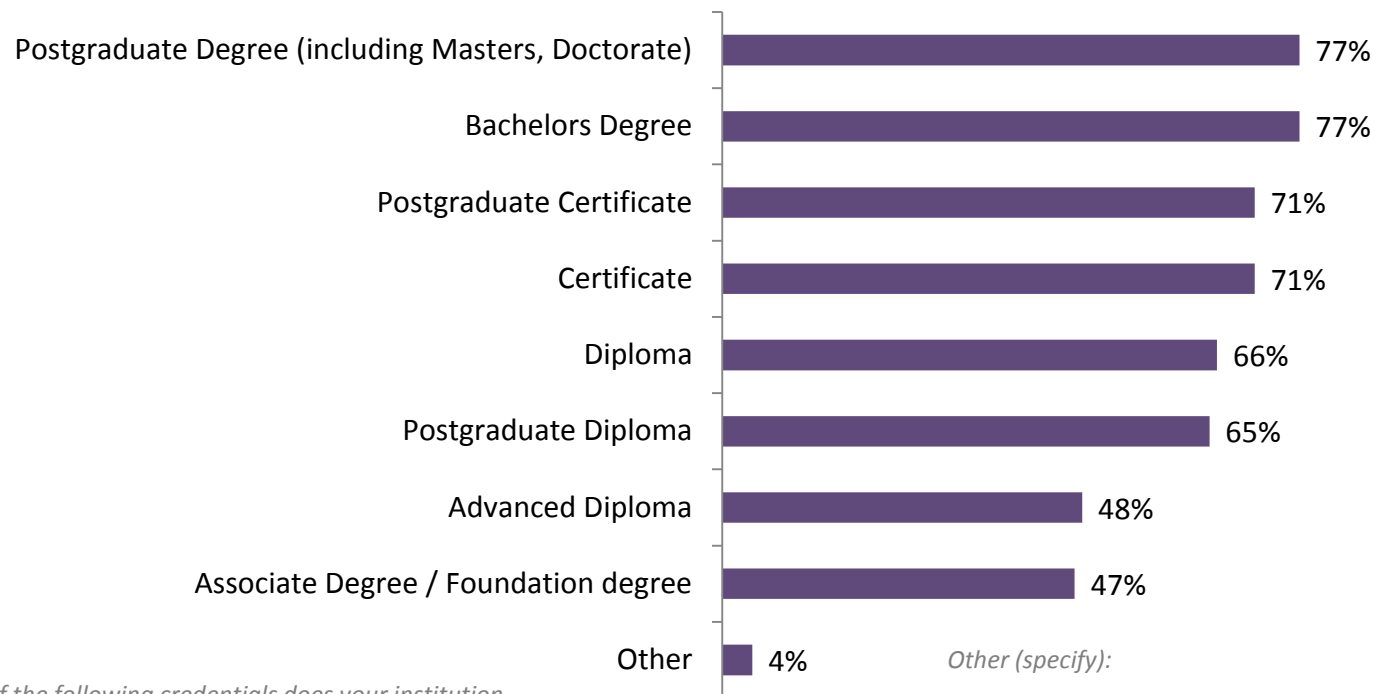
*How would you classify the organisation or institution that you work for? (Select all that apply) (n=107)*

## Geographic Representation



*Higher education institutions who participated all offer a range of qualifications.*

### ***Type of institution***



*Other (specify):*

*Which of the following credentials does your institution have the authority to confer in accordance with local accreditation requirements? (Select all that apply)*

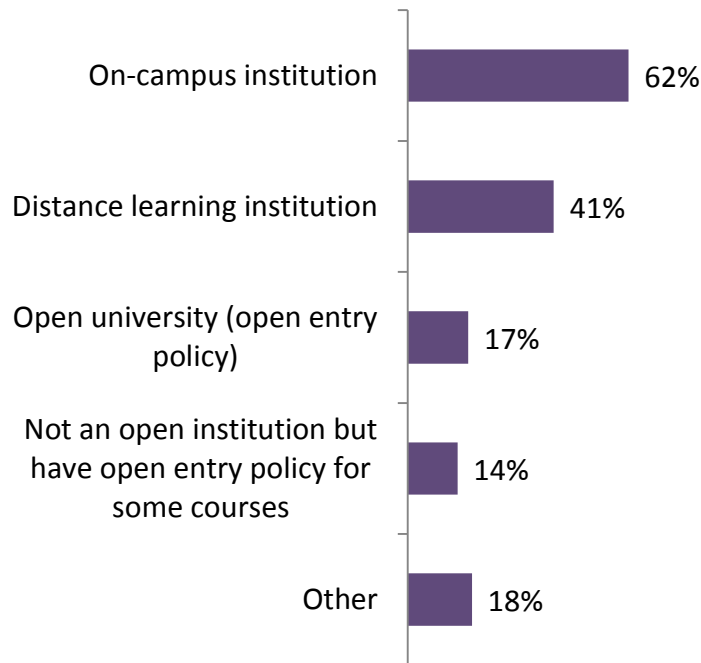
*Sample : Teaching institutions only (n=95)*

- PLA recommendations for college level learning gained outside of HE*
- Professional accreditation in collaboration with external bodies e.g. CISCO, CPD for professions such as nursing and midwifery*

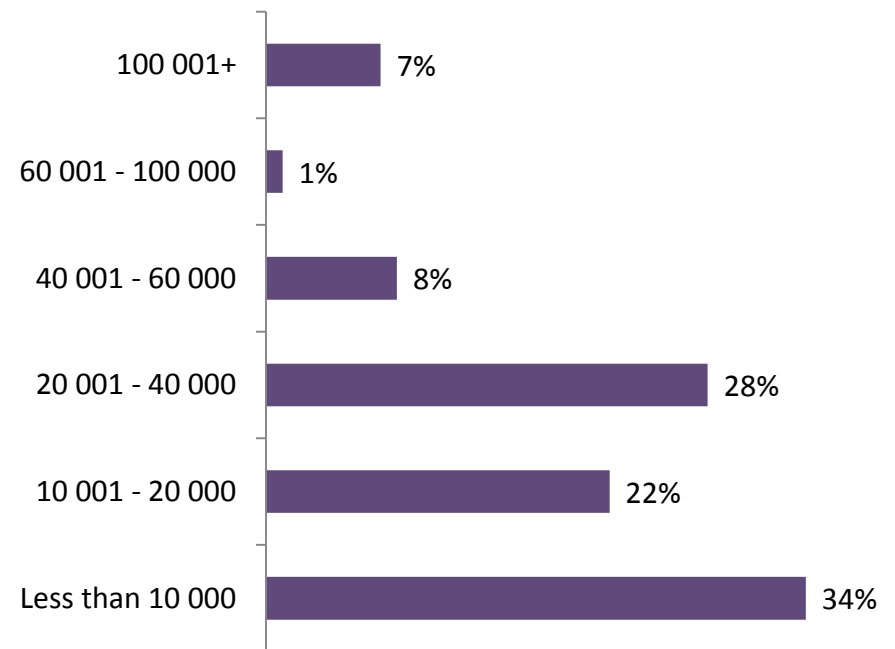
## Tertiary Institution Information

*Higher education institutions with on-campus students formed the majority of the sample, followed by distance learning institutions.*

**Category of institution**



**Number of students**



*Which of the following apply to your institution?*

*Sample : Teaching institutions only (n=95)*

*Approximately how many students are enrolled in your institution?*

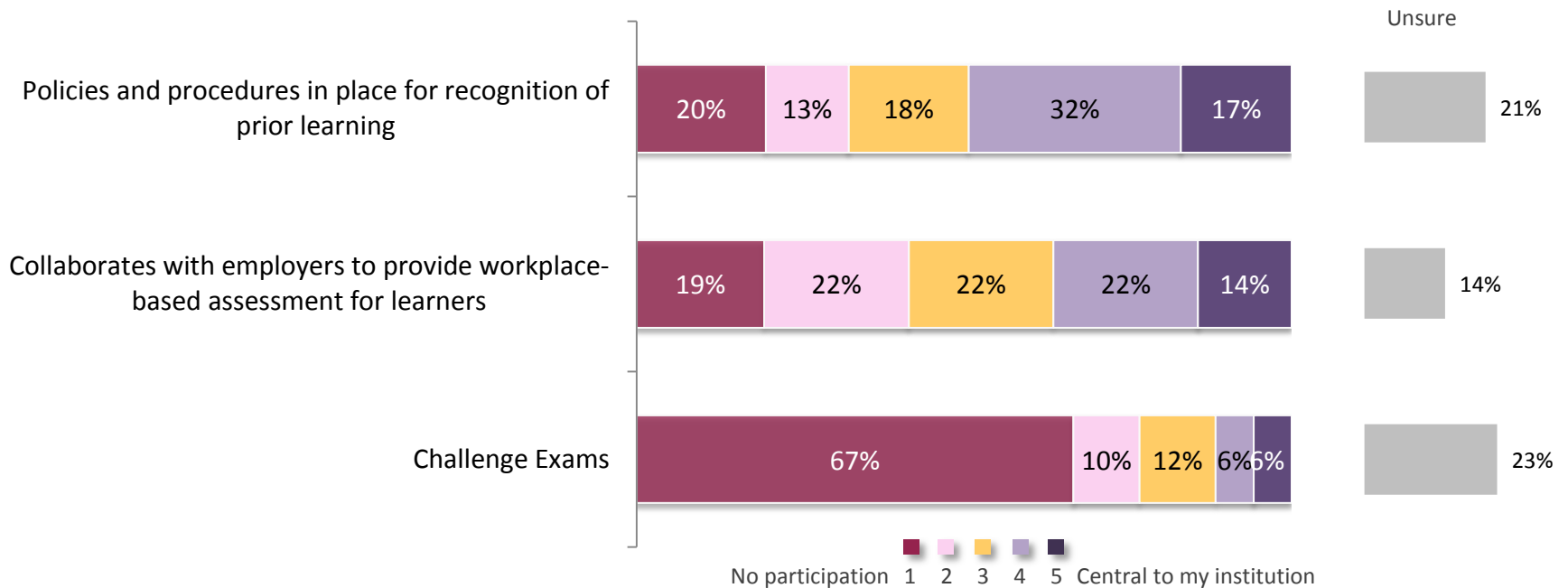
# Institutional Landscape



## Accreditation Activities

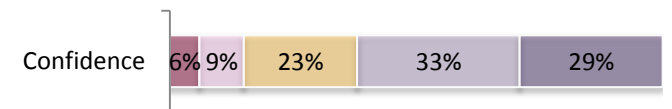
*One in two participants noted that their organisations had policies and procedures in place for recognition of prior learning, yet few participated in challenge exams.*

*How actively does your institution currently participate in the following accreditation activities?*



*These next questions ask you to provide information on current policy. Please answer as best you can.*

Total Sample (n=90)



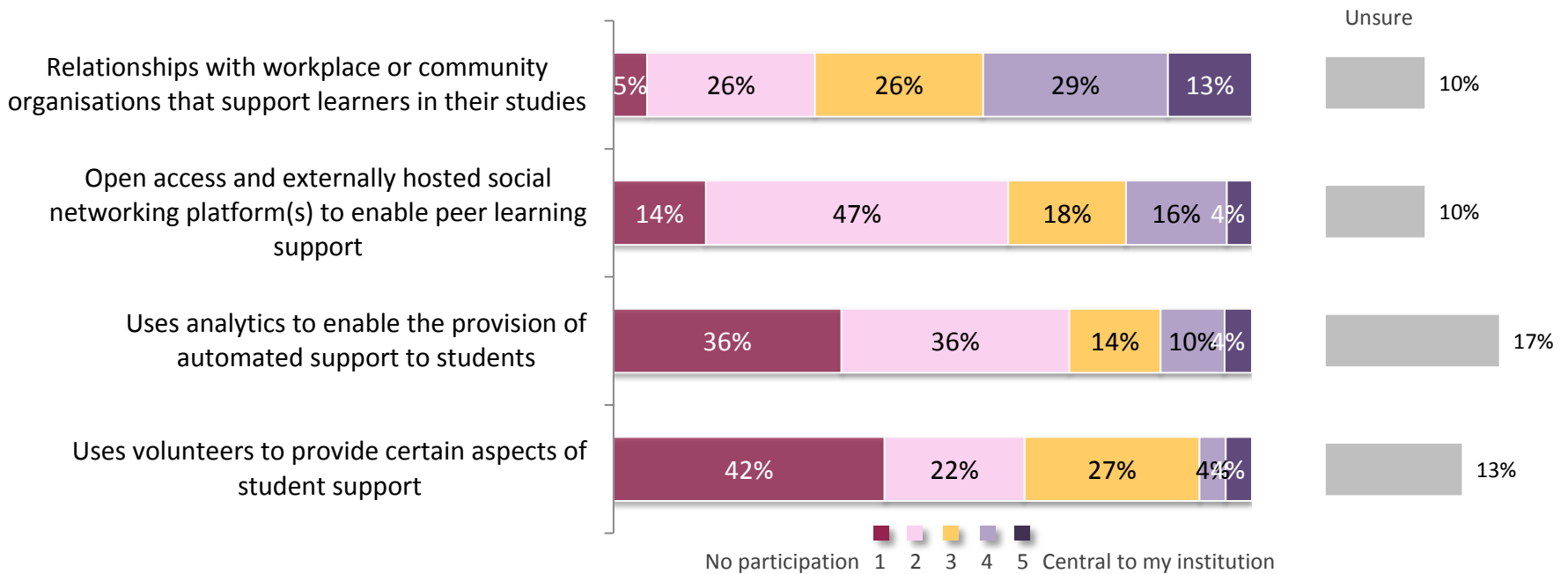
*How confident are you that your answers to the previous questions reflect your organisation's policies and practices?*

Not very confident 1 2 3 4 5 Very confident 15

# Student Support

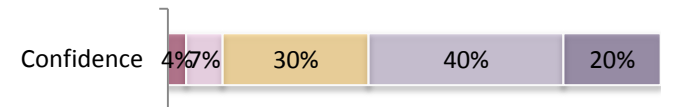
*Very few organisations utilised initiatives such as analytics, social network platforms and volunteers to provide support to students.*

*How actively does your institution currently participate in the following activities to support learners?*



*These next questions ask you to provide information on current policy. Please answer as best you can.*

Total Sample (n=84)



*How confident are you that your answers to the previous questions reflect your organisation's policies and practices?*

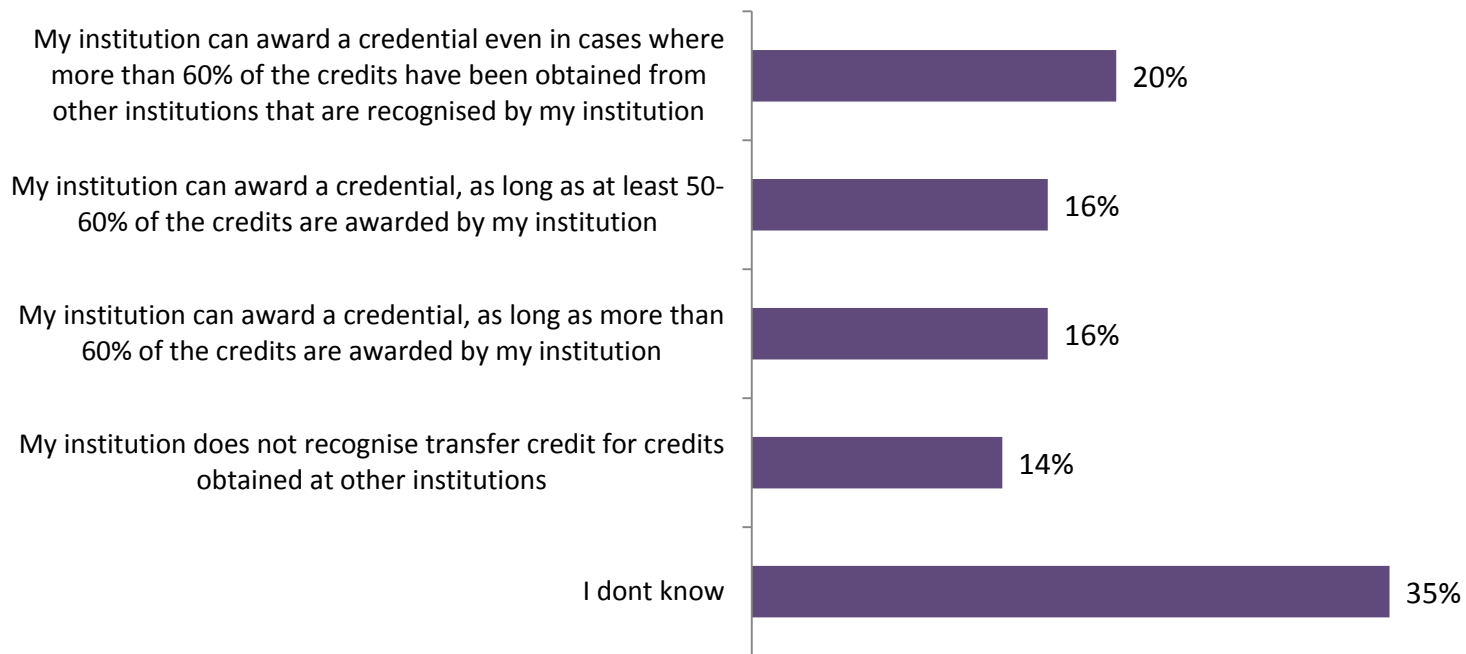
Not very confident 1 2 3 4 5 Very confident 16



## Credit Transfer

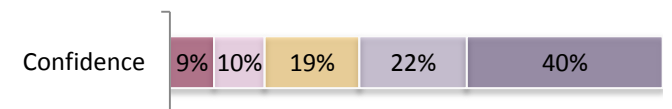
*Awareness of policies with regard to credit transfer was low, yet only one in two participants maintain that their institution can award credentials to students who have obtained more than 60% of their credits at another institution.*

*Which of the following options best describe your institution's practice with regard to credit transfer?*



*These next questions ask you to provide information on current policy. Please answer as best you can. How actively does your institution currently participate in the following accreditation activities? (Select all that apply)*

Total Sample (n=81)



*How confident are you that your answers to the previous questions reflect your organisation's policies and practices?*

Not very confident 1 2 3 4 5 Very confident 17

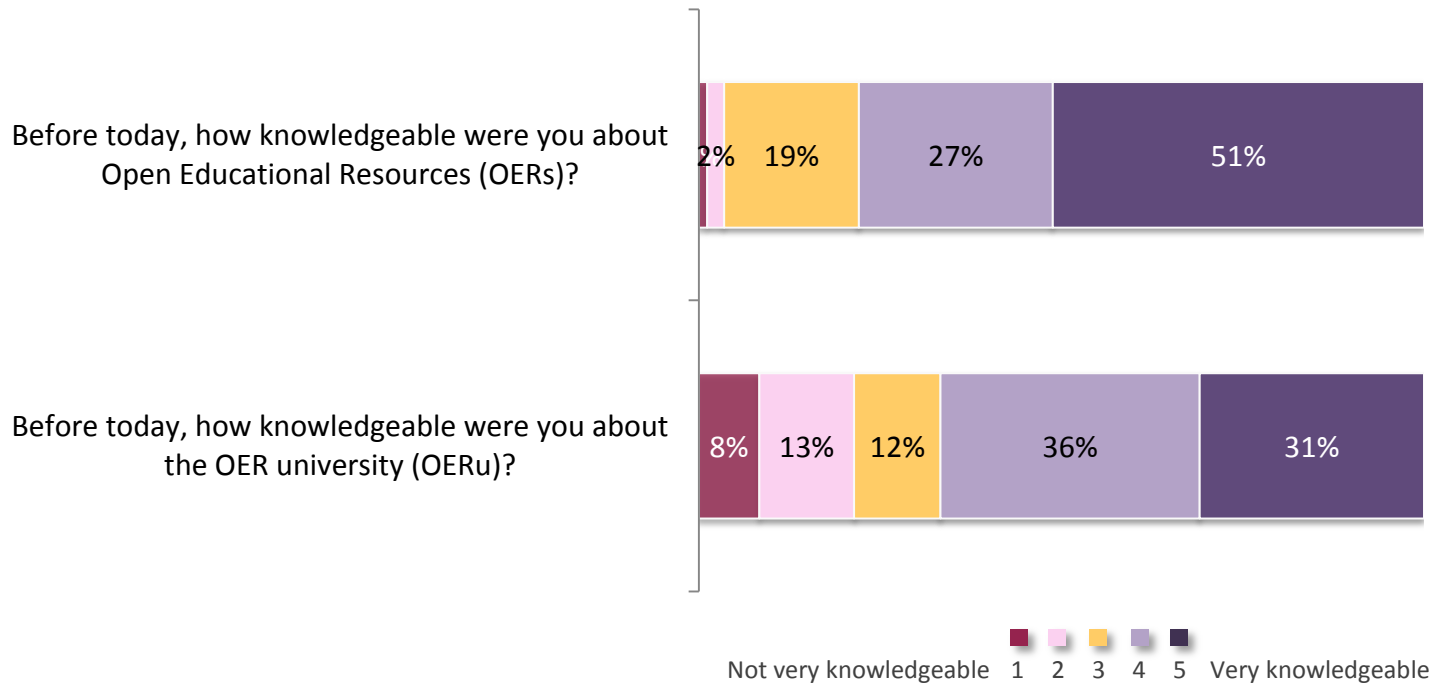
# Involvement in OER initiatives



*Open Educational Resources (OER) are materials used to support education that may be freely accessed, reused, modified and shared by anyone (Downes 2011). For the purposes of this study, the concept of OER is inclusive of Open Educational Practices (OEP) associated with the design, development and delivery of courses based solely on OER.*

*The OER university or OERu is a global partnership in which several higher education institutions are collaborating to offer free learning using courses based solely on OERs and low-cost assessment and accreditation services towards formal academic credit on a mass scale.*

*Participants in the research study had a high level of awareness and knowledge about both open educational resources in general and the OERu.*

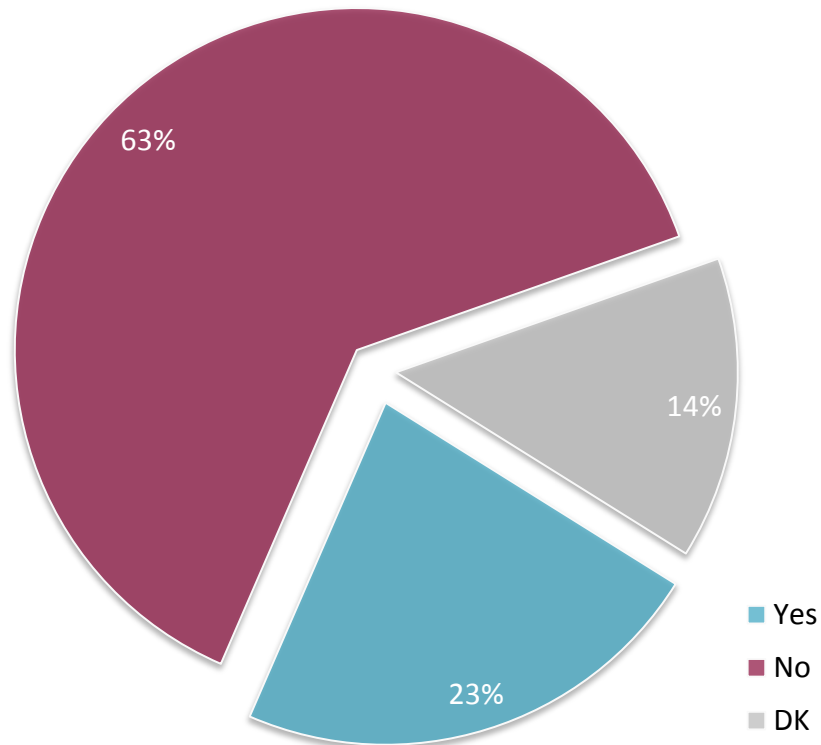


*Before today, how knowledgeable were you about...Please rate your awareness on a scale from 1-5 where 1 = not at all (never heard of before today) to 5 = to a large extent (very knowledgeable)*

*Total Sample (n=90)*

## Participation in the OERu

*Although awareness of the OERu is high, participation in the OERu network is low with only 23% of institutions actively involved.*

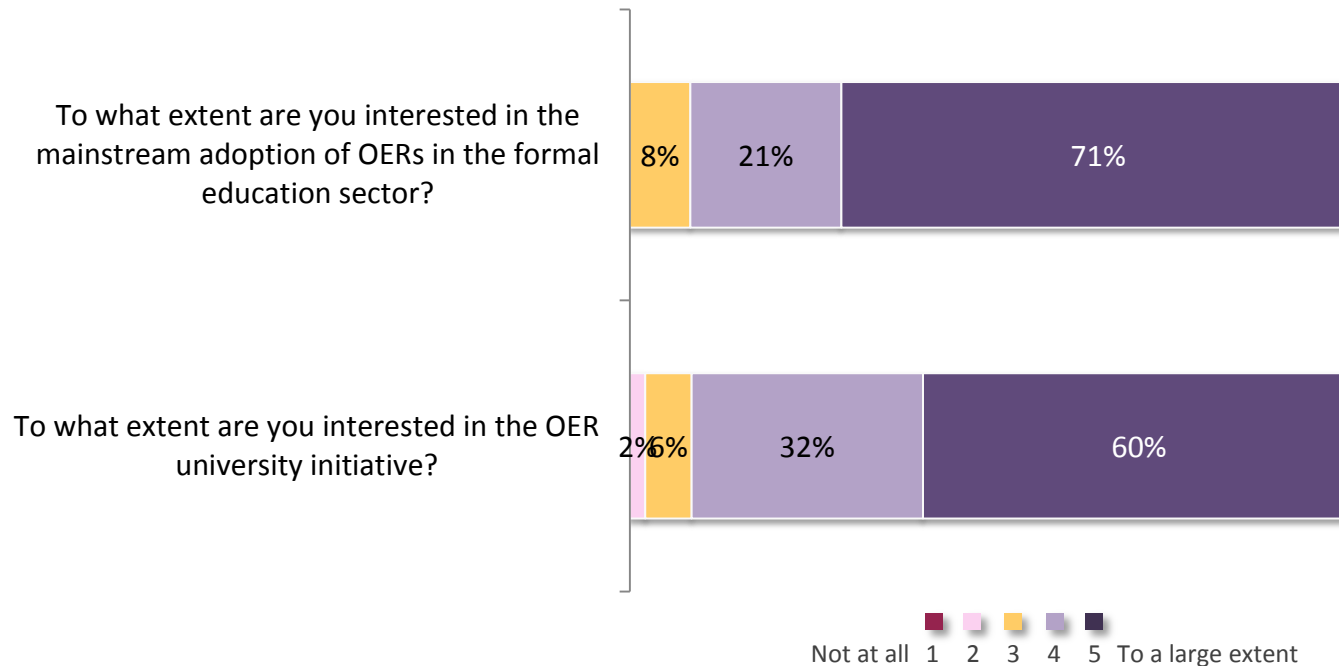


*Is your institution actively involved in the OERu network?  
i.e. an OERu anchor partner or a member of the OERten*

*Sample excludes respondents unfamiliar with OERs (n=84)*

## Interest in OERs

*Interest in the OERu initiative as well as the mainstream adoption of OERs in the formal education sector is high with over 90% of respondents interested in these topics.*

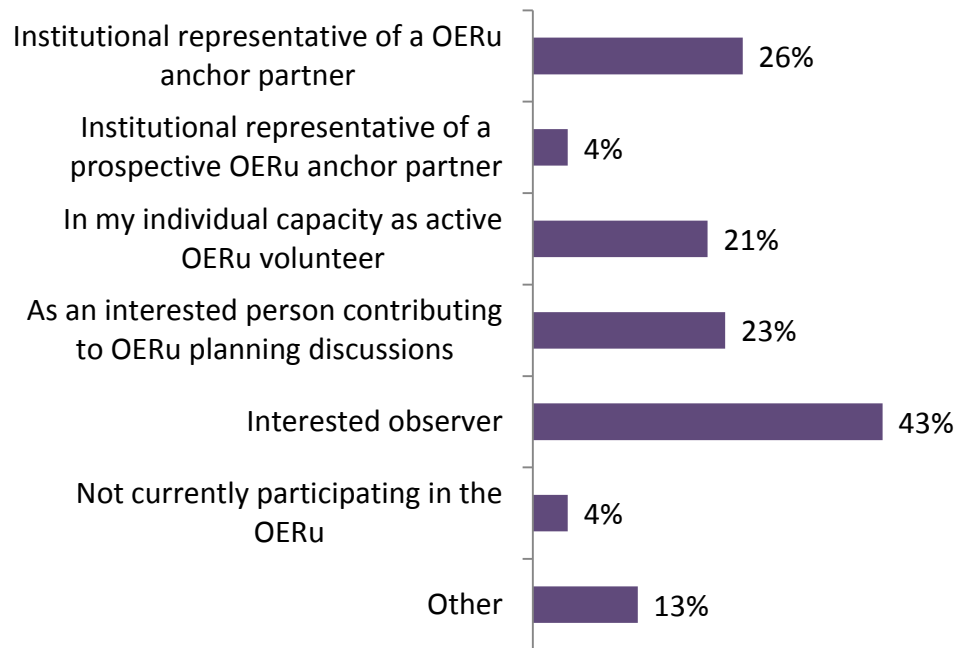


*Sample excludes respondents unfamiliar with OERs (n=84)*

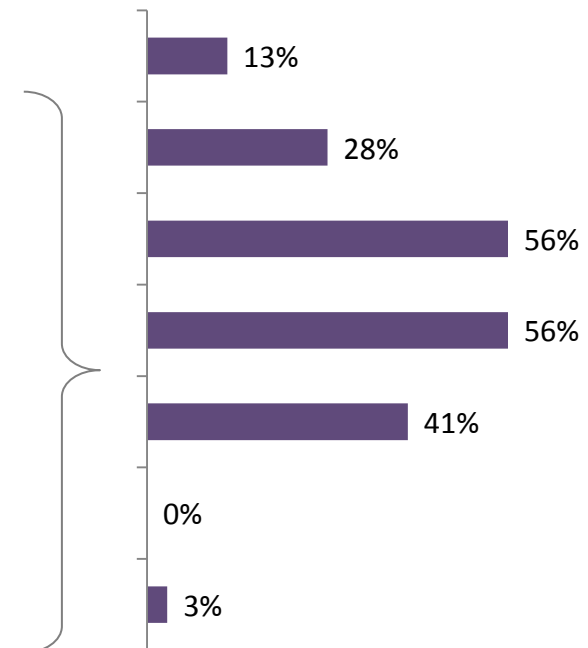
## Participation in the OERu

*One in two participants are presently interested observers in the OERu and many consider becoming more actively involved in the future.*

**Current participation in the OERu**



**Future participation in the OERu**



*In which of the following capacities are you currently participating in the OERu? (Select all that apply)*

*Sample excludes UK participants (n=90)*

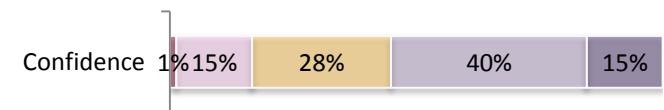
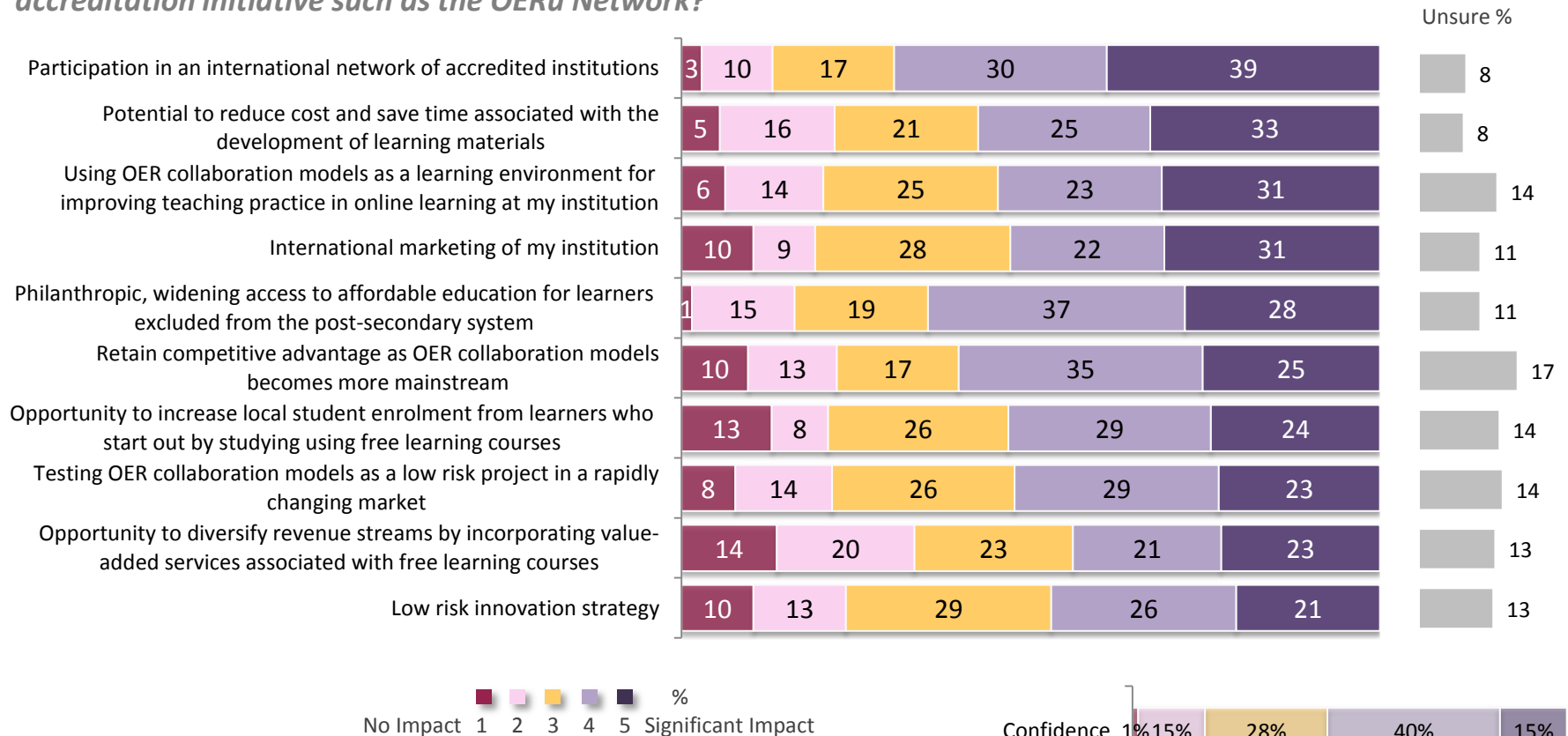
*In which of the following capacities are you potentially interested in participating in the OERu in future? (Select all that apply)*

*Select all that apply)*

# Institutional participation in the OERu

*The opportunity to participate in an international network of accredited institutions is considered to be the most important driver of institutional participation in the OERu.*

*To what extent did/would the following factors impact on your institution's decision to join a collaborative OER accreditation initiative such as the OERu Network?*



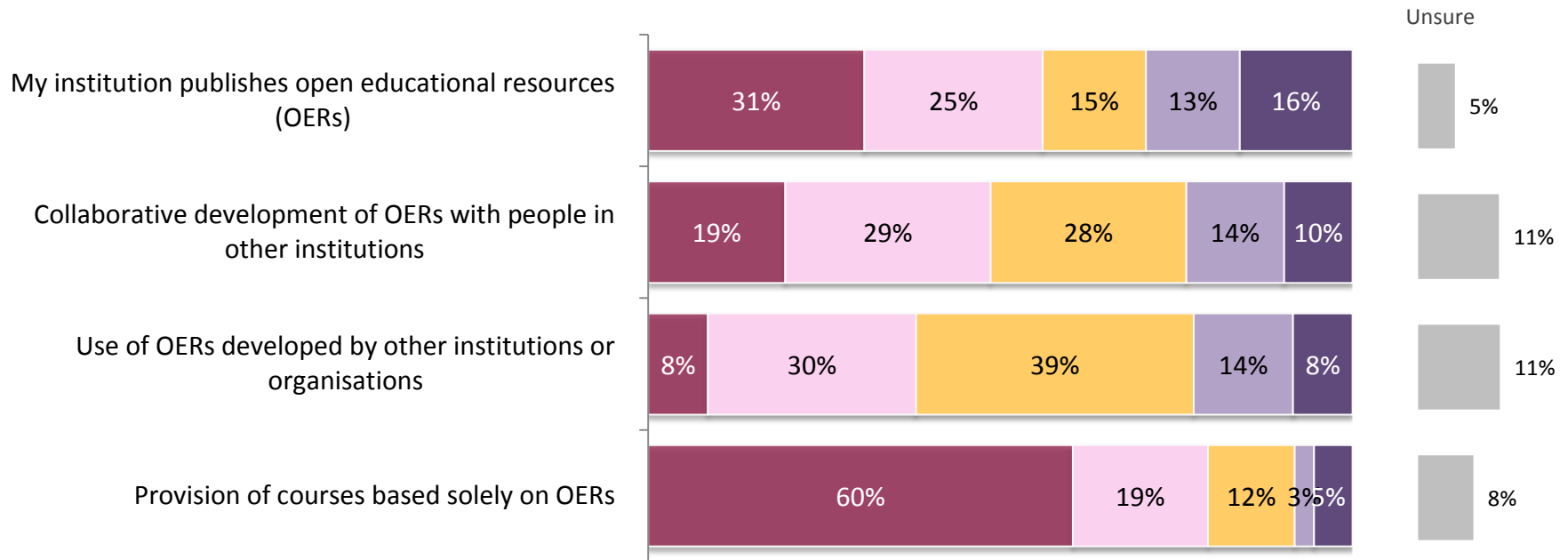
Sample excludes UK participants & respondents selecting not applicable (n=80)

How confident are you that your answers to the previous questions reflect your organisation's views?

# Involvement in OER initiatives

*Fewer than three in ten institutions currently participate actively in the activities to support the development of OERs.*

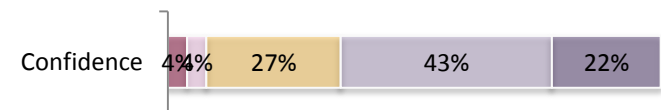
*How actively does your institution currently participate in activities to support the development and use of Open Educational Resources?*



No participation 1 2 3 4 5 Central to my institution

*These next questions ask you to provide information on current policy. Please answer as best you can.*

*Sample excludes UK participants & respondents selecting not applicable (n=80)*



*How confident are you that your answers to the previous questions reflect your organisation's views?*

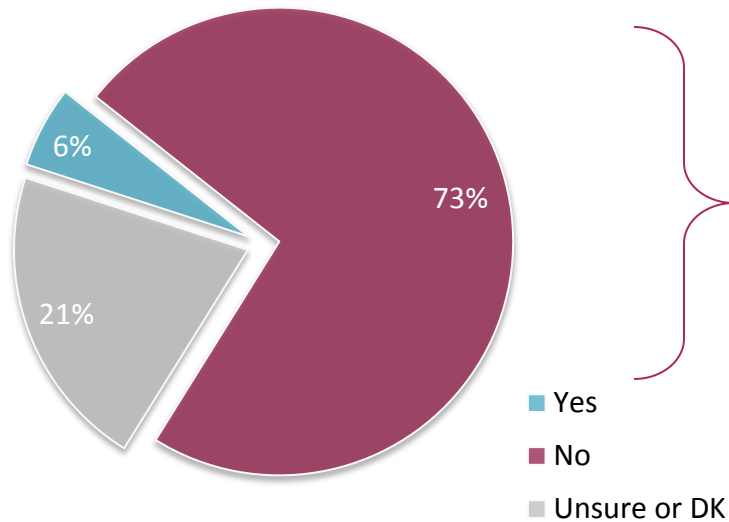
Not very confident 1 2 3 4 5 Very confident 24



## Assessment services for courses based on OERs

*Only 6% of institutions currently provide assessment services for courses based solely on OERs and only 18% are likely to provide them in the near future.*

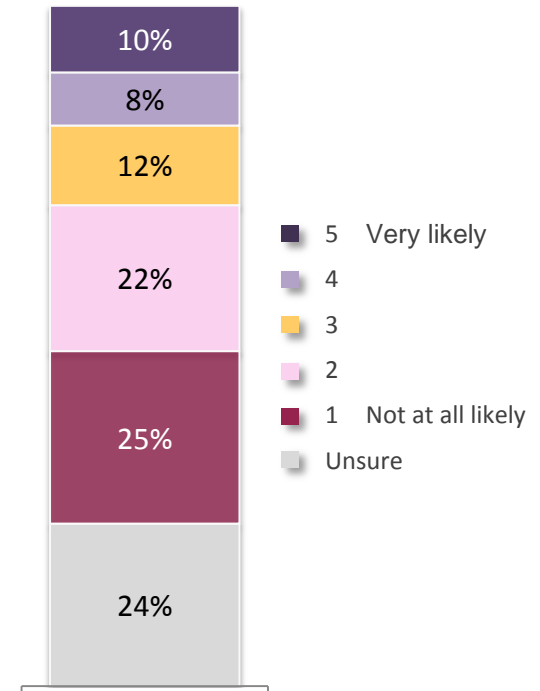
*Current assessment services*



*Does your institution currently provide assessment services for courses based solely on OERs? Includes assessment services for courses to be used in the OERu*

*Sample excludes respondents unfamiliar with OERs (n=84)*

*Future assessment services*



*How likely is your institution to provide assessment services for courses based solely on OERs in the future?*

*Sample excludes respondents with current services (n=51)*

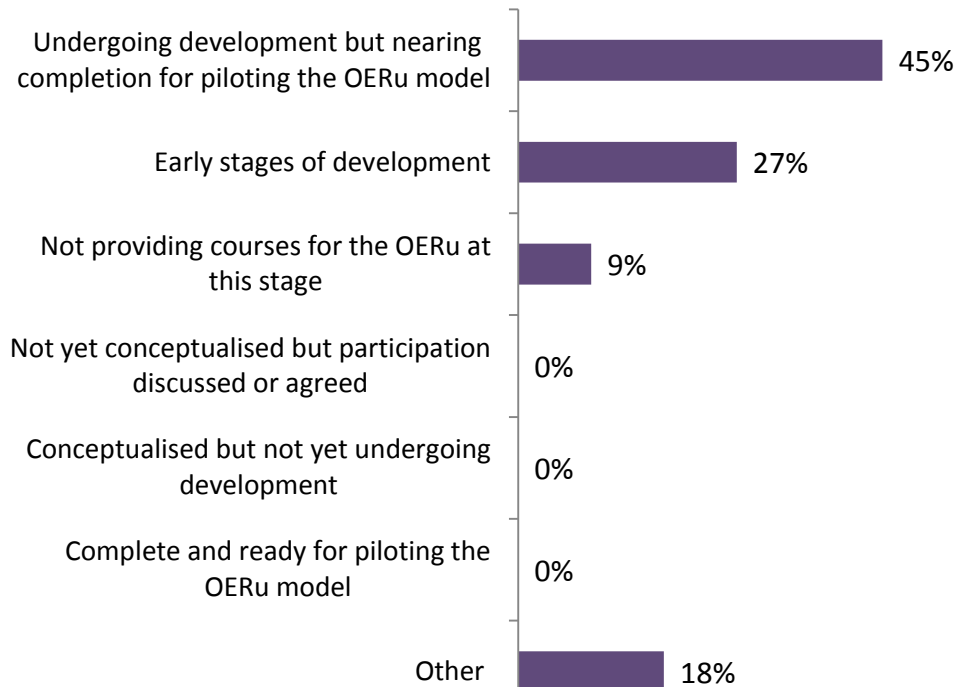
# OERu Evaluation



## OERu Evaluation - OERTen Participation in OERu concept

*Half of the twelve OERTen representatives were nearing completion in the development of open courses to be used for the OERu and a third have obtained support that has been agreed to and institutionalised within their organisation.*

*Which of the following best describes your Institution's current stage in the development of open courses to be used for the OERu?*



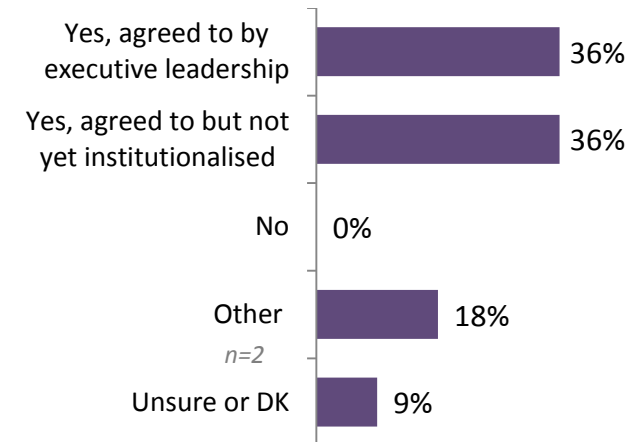
*Sample only institutional representatives of OERu anchor partners (n=11)*

*n=2*

*Other Specify:*

- Service organization*
- Course is designed but depending on finding open textbook*

*Have the principles and policies of the OERu already been agreed to by your organisation's executive leadership and institutionalised within the organisation?*

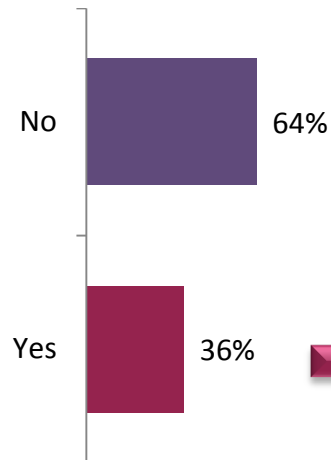


*Other specify:*

- Agreed that current principles and polices need to change to be more OER friendly*
- Recent institutional changes will reopen the discussion but overall there will be continued support*

*A third are experiencing issues with availability of resources including technical development resources and time.*

*Are you currently experiencing any issues hindering participation in the OERu concept?*



*Please describe the problems you are experiencing:*

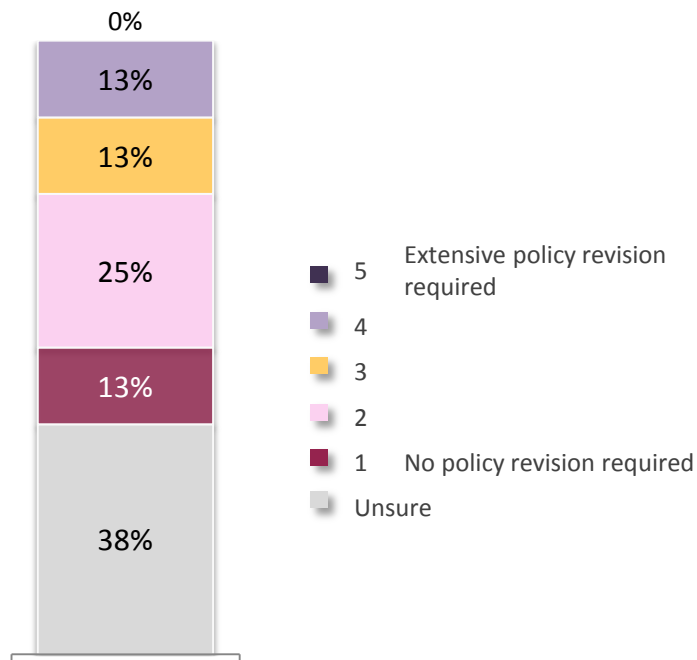
- *Availability of resources. Clarity of process - because it is new to us, we have to work it out as we go.*
- *Organisational maturity and experience with open development models. This is a cultural barrier -- many individuals do not have experience in the open source approaches of collaborative development.*
- *Technological development resources are limited*
- *Time it takes to convert and redesign courses*

*Sample only institutional representatives of OERu anchor partners (n=11)*

## Policy changes

*A third of respondents are unsure as to the extent to which policy change will be required to implement the services required for the OERu, yet a further third feel that none or only minor revisions will be required.*

*To what extent will your institution be required to change existing policies to successfully implement assessment services for courses based solely on OERs (including courses offered through the OERu)?*



*Insights into existing policies that support assessment services for courses based solely on OERs:*

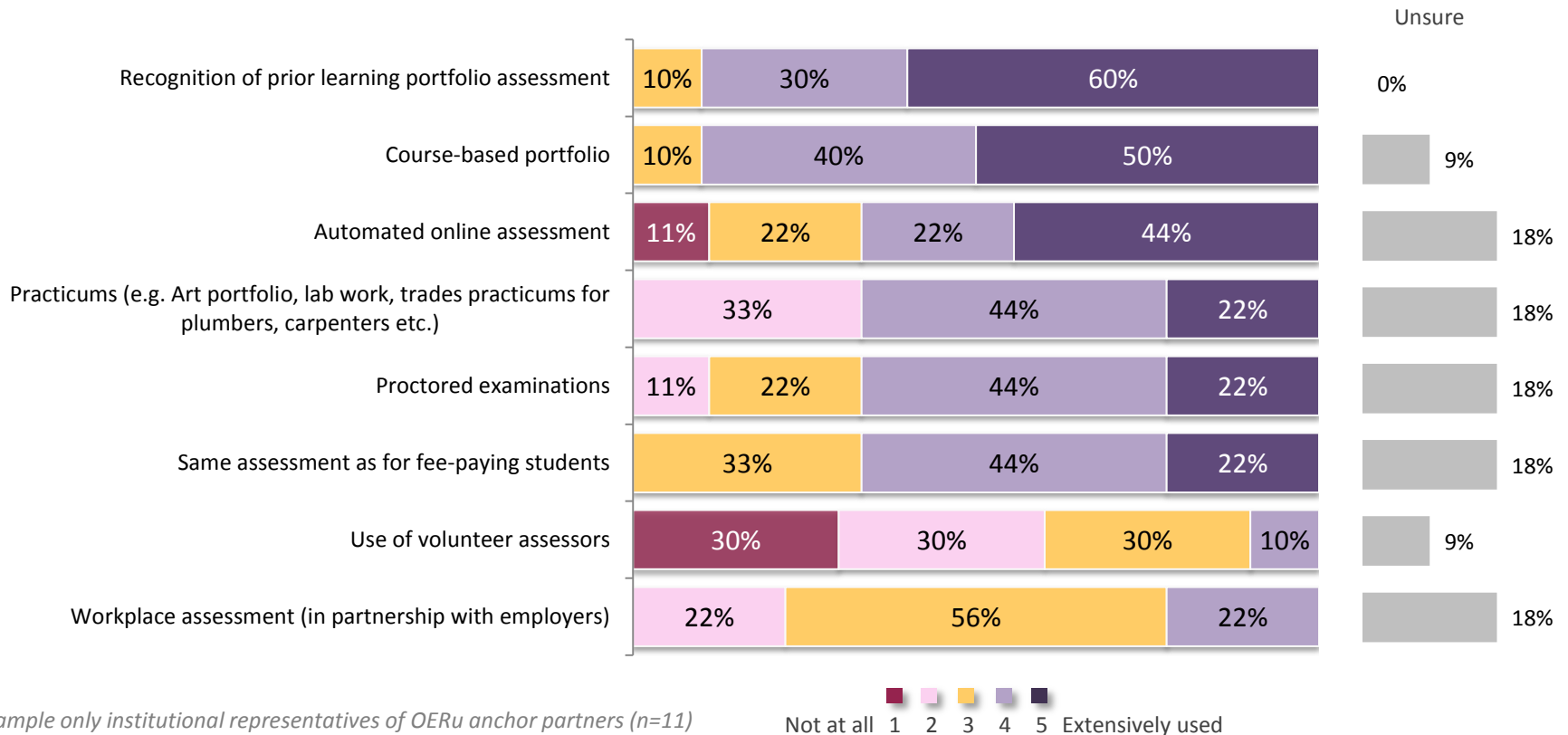
- *Already have RPL and accreditation services. For RPL where the knowledge is obtained is irrelevant, as long as it can be demonstrated.*
- *Existing RPL policy, accelerated assessment for many programmes*
- *Advanced RPL policy in place. The OERu model is designed to operate within existing policy frameworks. We already have a Creative Commons Attribution intellectual property policy and are integrating OER and OERu into the learning and teaching policy currently under revision. We anticipate minor refinements to accommodate operational aspects of the OERu model.*
- *RPL policy provides an opening for alternative access and accreditation.*

*Sample only institutional representatives of OERu anchor partners (n=11)*

## Assessment services for OERu courses

*Portfolio and automated assessment measures are considered to be the most likely to be used in the future by OERu partner institutions.*

*In your opinion, which of the following assessment methods are most likely to be used in the future by OERu partner institutions or institutions assessing learning outcomes of courses based solely on OERs for formal assessment towards credentials?*

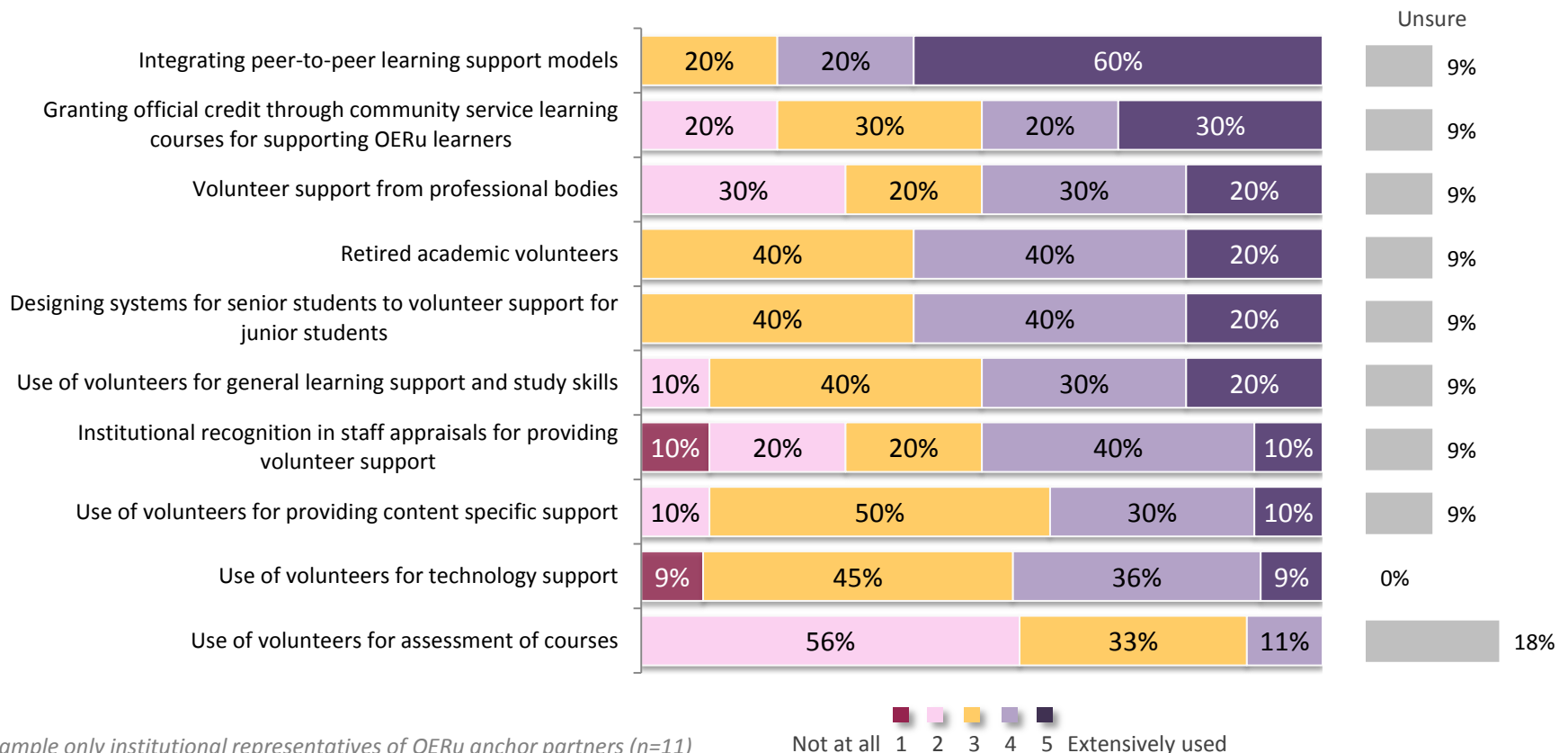


Sample only institutional representatives of OERu anchor partners (n=11)

## Effectiveness of Student Support Options

*The student services option that the majority OERTen members consider to be the most effective is the integration of peer-to-peer learning support models.*

*How effective do you consider each of these student support options to be for students participating in OER courses?*



Sample only institutional representatives of OERu anchor partners (n=11)

# **Success factors and obstacles to participation in OER initiatives**

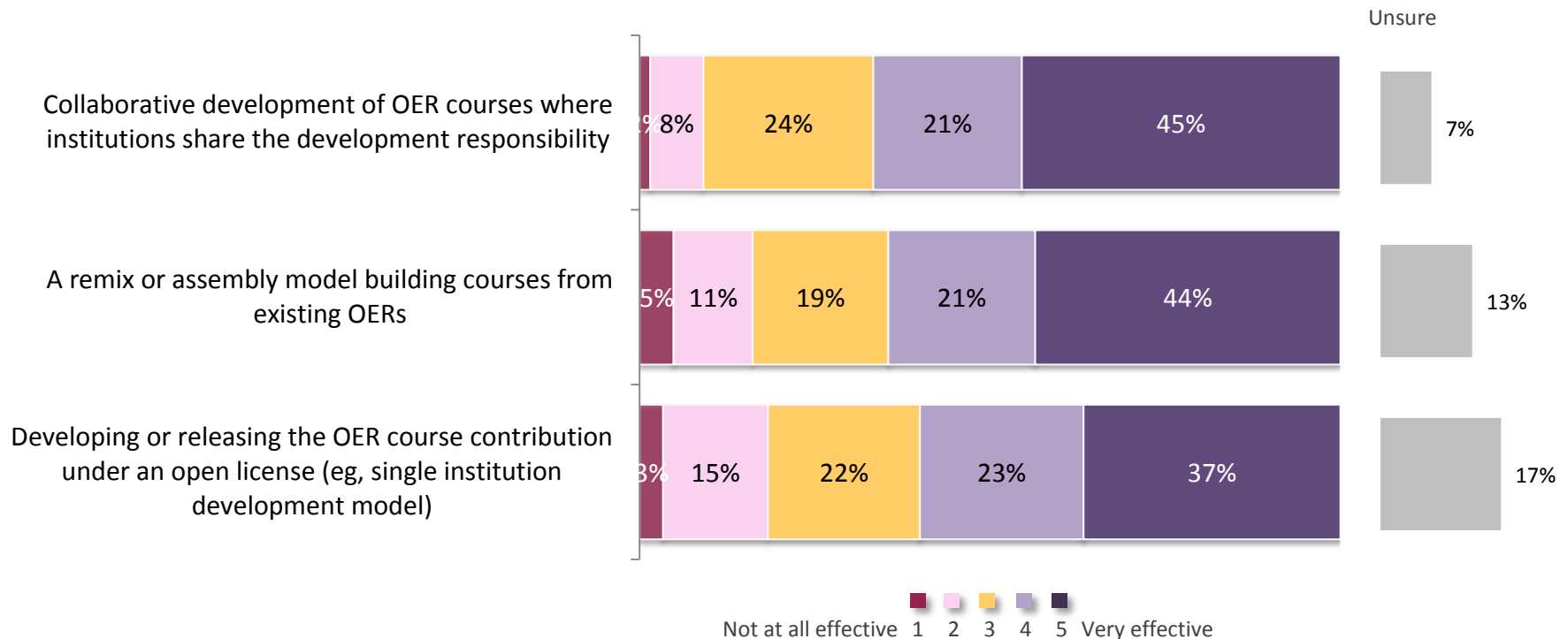




## Success factors to participation in assessment of OER based courses

*Although the majority of institutions consider collaborative development of OER courses, the remix of existing OERs and release under an open license to be an effective solution, there is still a great deal of uncertainty and doubt as to the effectiveness of these approaches.*

*How effective do you think each of the following approaches will be for developing OERu Courses?*

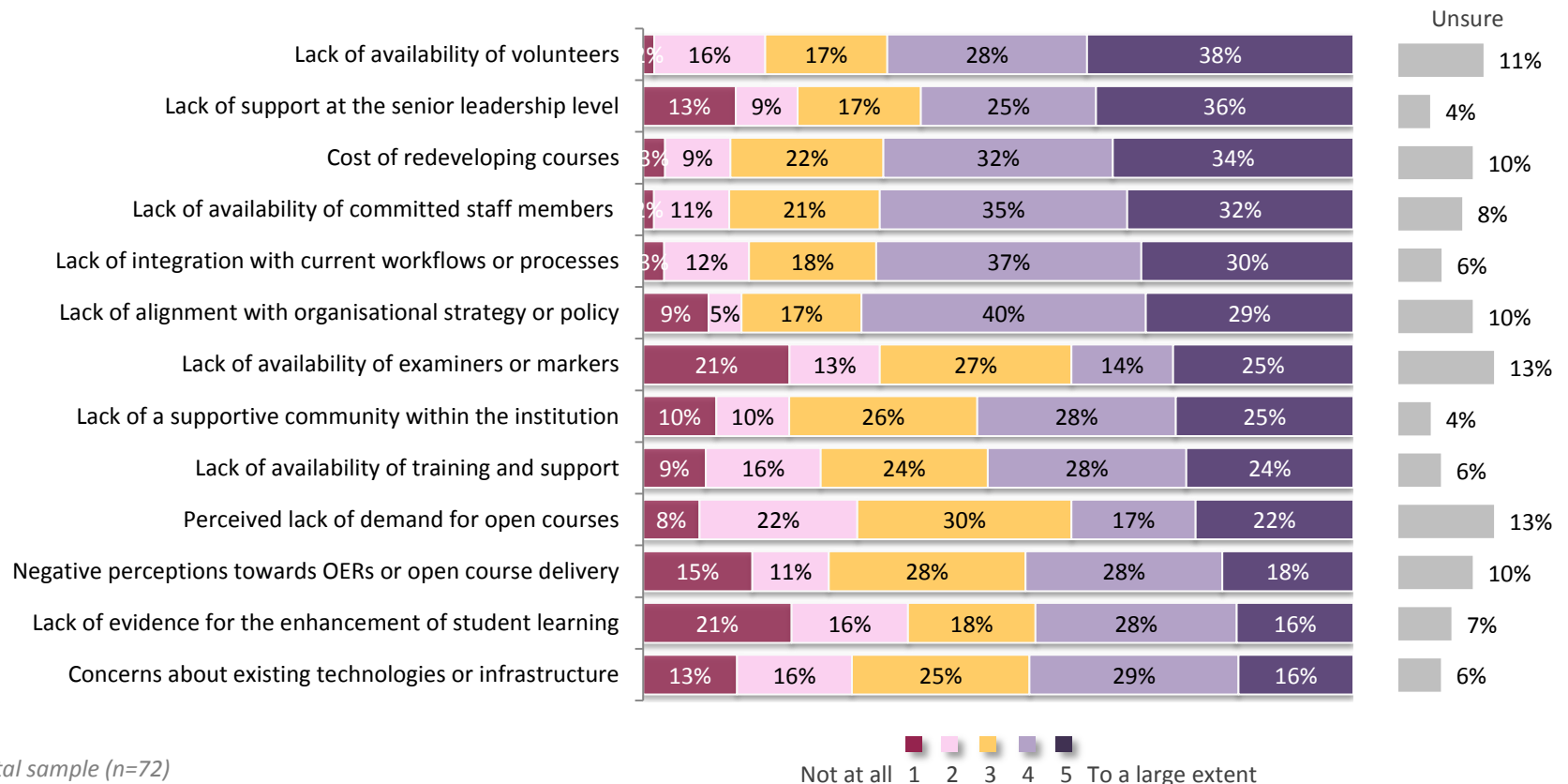


Total sample (n=72)

## Obstacles to participation in assessment of OER based courses

*The greatest perceived obstacles to the successful implementation to OERu models is the lack of availability of volunteers and the lack of support at the senior leadership level.*

*To what extent do the following factors hinder successful implementation of the OERu model or similar initiatives within your institution?*



## Names of institutions represented by the results

Acharya Narendra Dev College, University of Delhi  
Amity University, Noida, UP, India  
Athabasca University

BCcampus

Blackboard

Bournemouth University

Charles Sturt University

Oswald de Andrade

Coventry University

CSP scarl

De Montfort University

Dr. Babasaheb Ambedkar Open University, Gujarat, India

Dun Laoghaire Institute of Art Design and Technology

Ghana-Inida Kofi Annan Centre of Excellence in ICT

GOVT. INTER COLLEGE BHOJPUR

Govt. inter college Bhojpur Moradabad

ICTEDU Learning Centre

Imperial College London

Institute of Education

K12 Next Generation

Kerala University

King's College London

Leeds Metropolitan University

Likeminds

London South Bank University

Loughborough University

Middlesex University

Nancy George & Associates

Newcastle University

NorthTec

OER Foundation

OER-Brazil Project

Open Education Resource Foundation

Open Polytechnic of New Zealand

Open University

Otago Polytechnic

pedagogy.ir

SA Institute for Distance Education

Saint Michael's College (VT; USA)

School District 46 Sunshine Coast

SEAMEO RETRAC

Southampton Solent University

ST PATRICK EDUCATION DISTRICT, Ministry of Education ,Trinidad and Tobago

SUNY/Empire State College

Supten Institute

The Open University

The Open University of Sri Lanka

The University of Manchester

Thompson Rivers University, Open Learning

Universidade Federal Fluminense

University of Mumbai, India

University of Bath

University of Cambridge

University of Cape Town

University of Huddersfield

University of Hull

University of Leeds

University of Leicester

University of Mauritius

University of Northern British Columbia

University of Nottingham

University of Oxford

University of South Africa

University of Southampton

University of Surrey

University of Swaziland

Wawasan Open University

- Andrade, A., Ehlers U. D., Caine A., Carneiro R., Conole G., Kairamo A. - K., et al. (2011). *Beyond OER: Shifting Focus to Open Educational Practices*. Open Educational Quality Initiative. Retrieved from <http://duepublico.uni-duisburg-essen.de/servlets/DerivateServlet/Derivate-25907/OPALReport2011-Beyond-OER.pdf> 1-191.
- Ehlers, U. D. (2011). From Open Educational Resources to Open Educational Practices. *eLearning Papers*, 23, 1-8.
- Mackintosh, W. (2012). Opening Education in New Zealand: A Snapshot of a Rapidly Evolving OER Ecosystem. In J. Glennie, K. Harley, N. Butcher, T. van Wyk (Eds.), *Open Educational Resources and Change in Higher Education: Reflections from Practice*, 263-279.
- Mackintosh, W., Taylor, J., & McGreal, R. (2011). *Open education resource university: Towards a logic model and plan for action*. Edmonton: Athabasca University and OER Foundation. Retrieved from [http://wikieducator.org/images/c/c2/Report\\_OERU-Final-version.Pdf](http://wikieducator.org/images/c/c2/Report_OERU-Final-version.Pdf)
- Taylor, J.C. 2007. Open courseware futures: Creating a parallel universe. *e-Journal of Instructional Science and Technology (e-JIST)*, 10(1). [http://www.ascilite.org.au/ajet/e-jist/docs/vol10\\_no1/papers/full\\_papers/taylorj.htm](http://www.ascilite.org.au/ajet/e-jist/docs/vol10_no1/papers/full_papers/taylorj.htm).