Are we preparing archivists to manage and preserve records in a cloudy networked environment?

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Define tomorrow.

UNISA | university of south africa

Outline

- Background

- Why the study?

- Purpose and objectives

- Historical background of ARM education in SA

- Results

- Conclusion and way forward

Background

- The International Research on Permanent Authentic Records in Electronic Systems (InterPARES)

- aims at developing the knowledge essential to the long-term preservation of authentic records created and/or maintained in digital form

- and providing the basis for standards, policies, strategies and plans of action capable of ensuring the longevity of such material and the ability of its users to trust its authenticity.

- InterPARES Africa is coordinated by the Department of Information Science, University of South Africa

- Part of a bigger InterPARES study AF01

  - The research team targeted all 54 countries and a number of territories either in or near the African continent.

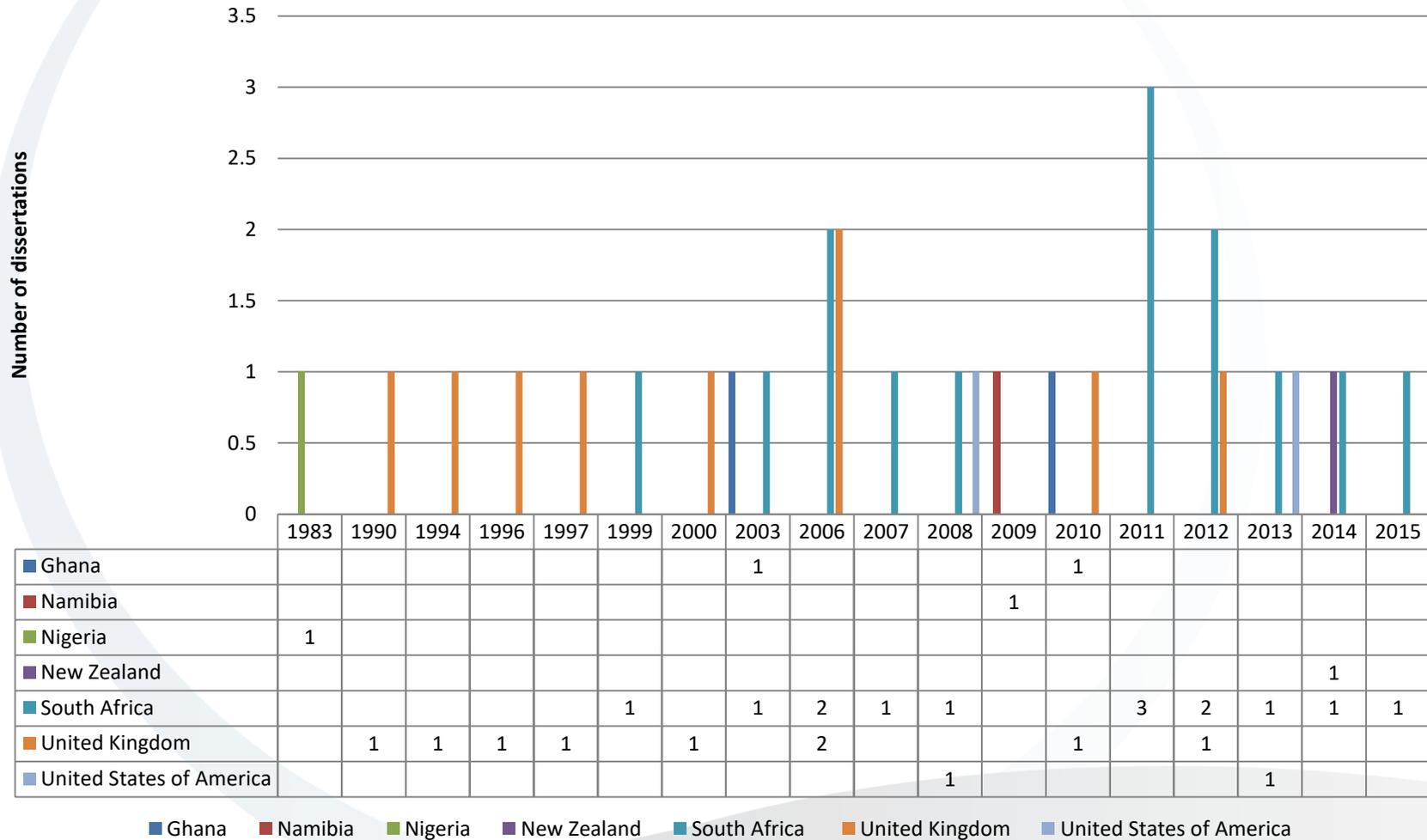- This study focuses only on South Africa

Why this study?

- The need for education in archives and records management cannot be over-emphasised particularly in this era of technological developments.
    - Skills
    - Infrastructure

- Education can help to empower archivists and records managers in tackling the challenges of managing records created in networked environments such as ensuring security, authenticity and integrity of records.

- In view of the tectonic shifts that have taken place within Africa, particularly South Africa and the use of social media in innovative ways, archives and records management professionals' demands have changed (Katuu, 2009)
    - There is a need for curriculum reviews to embrace such changes

- Many archivists and records managers in South Africa did not receive training in ARM. The situation is the same in Kenya, Namibia, Tanzania, Uganda, Swaziland to mention just few sub-Saharan countries (Keorapetse and Keakopa (2012)

Why this study . . .

- The problem of lack of training and research is compounded by the fact that "among the LIS schools in sub-Saharan Africa, few have laid emphasis on the provision of courses/programmes in ARM, and more particularly at the undergraduate level" (Onyancha & Minishi-Majanja, 2009)

- Department of Arts and Culture (2010) in South Africa revealed that only nine universities in South Africa offer ARM as ancillary courses within the departments of LIS at a diploma or certificate level

- The same is true in all African universities except perhaps some universities in Kenya and the University of Makerere where ARM boasts of its own department within the School of Information Science

- Additionally, the pressure for accountability is increasing. In the past there has been general weakness in accountability mechanisms and there is hope that new opportunities are brought about by digital access.

- Therefore, there is a need to align the curriculum at higher learning institutions in South Africa to also embrace records created in networked environments.

The need - doctoral dissertations of African scholars 1983 and 2015

	1983	1990	1994	1996	1997	1999	2000	2003	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Ghana								1					1					
Namibia												1						
Nigeria	1																	
New Zealand																	1	
South Africa						1		1	2	1	1			3	2	1	1	1
United Kingdom		1	1	1	1		1		2				1		1			
United States of America											1					1		

Purpose and objectives

- The study examined the archives and records management curricula in different educational institutions in South Africa and investigate the extent to which they address the changing digital environment.

  – First, the websites of all 26 public universities in South Africa were visited to identify schools offering archives and records management programmes.

  – This was followed by content analysis of the curricula of universities that offer archives and records management programme from the website.

  – Then the graduate of these programmes (especially at masters & doctoral level) were identified

Historical background of ARM education in SA

- In 1946 - the idea of offering formal archival training was put forward by the government

- 1950 – State Archives Service took up the challenge and designed a curriculum for the National Diploma in Archival Science which was approved

- 1980s- Diploma was moved to Technickon SA, which began developing it into a distance learning qualification

- National Archives and Records Service Act of 1996 obliges the National archives to provide training to records managers employed by governmental bodies.

- 1990s – Universities started to show interest in ARM

- UKZN – post-graduate diploma (1999)

- Wits – 2000

- UNISA - Archives module in LIS (2000)

- 2004 – UNISA merged with TSA

Offerings in ARM in SA . . .

Fort Hare

- Post-graduate Programme (NQF Level 7),
- M (ARM topic)

UKZN

- Post-graduate Diploma (NQF Level 7),
- M & D (ARM topic)

University of the North

- One module in the BINF degree programme,
  - Introduction to records management
- M (ARM topic)

University of Zululand

- One module in the BINF degree programme,
  - Introduction to records management

University of Cape Town

- Honours in Data Curatorship –Libraries, archives
- Masters in Data Curatorship

Current offerings of ARM in SA

UNISA

- Higher Certificate (NQF Level 5),

- Post-graduate Programme (NQF Level 7),
  – Introduction to Archives and Records Management
  – Preservation and Conservation of Archives
  – Archival Principles and Practices
  – Archival Information Sources and Services

- Honours (specialising in Archives)

  - Archival Diplomatics and Digital Records Forensics
  - Information Governance
  - Data curatorship

- M & D (ARM topic)

Module content

- **University of KwaZulu-Natal**

  - ❑ Managing Electronic and Audio-visual Resources.
  - ❑ Automation of Information Centres.
  - ❑ Records and Documents Management.
  - ❑ Management of Current and Semi-Current Records Systems.
  - ❑ Archival Administration
  - ❑ Preservation and Conservation

University of Cape Town
  - ▪ Principles of digital curation
  - • Information architecture & metadata
  - • Technology enablers for digital curation
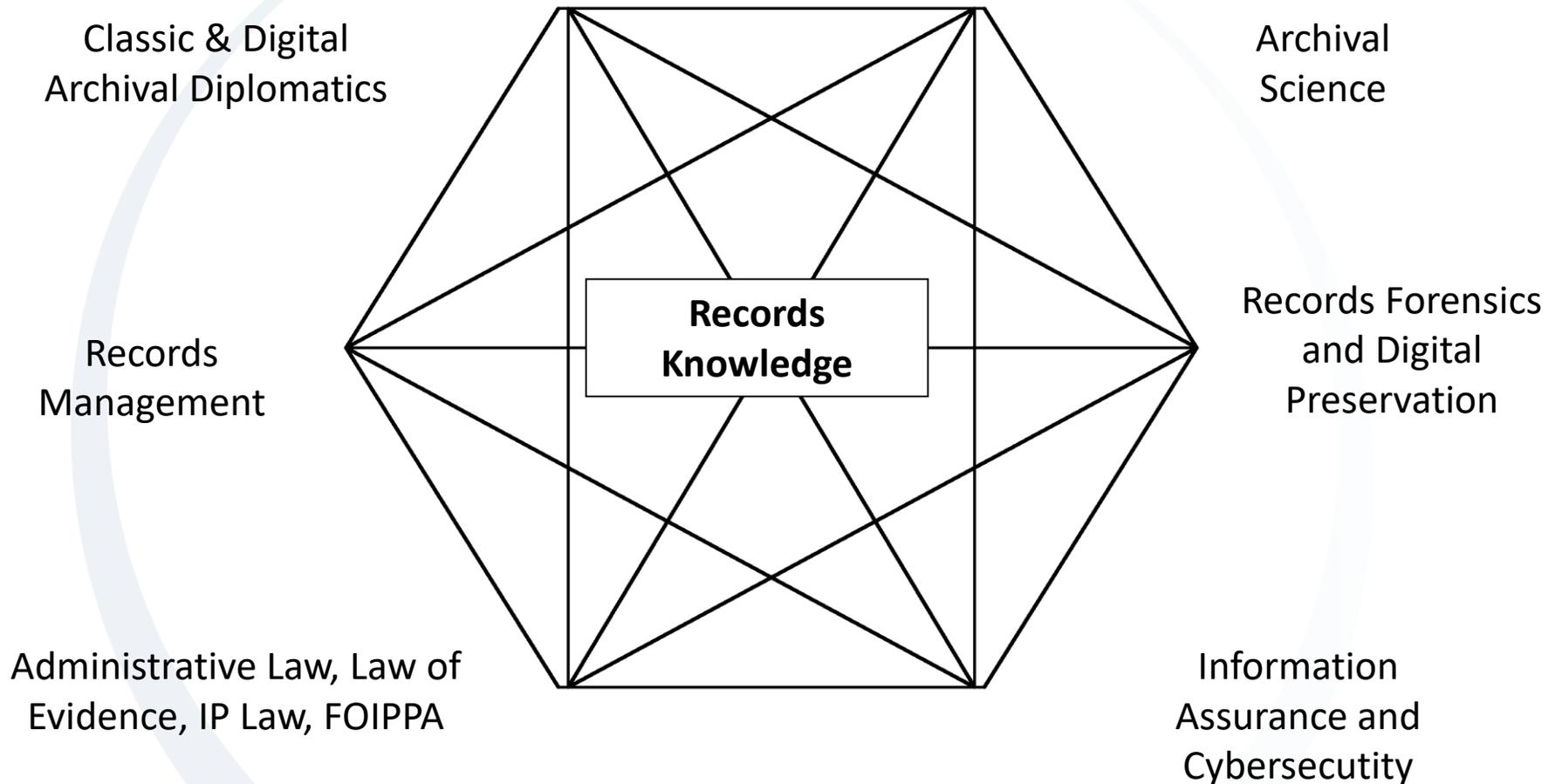 - • Research data management
  - • Curating in context

- **University of Fort Hare**

  - – Computer literacy
  - – History and theory of archives
  - – Archives Administration
  - – Records Management
  - – Management studies
  - – Conservation and Preservation
  - – Archives and development
  - – Information technology and archives

- **University of South Africa**
  - – Introducing Archives and Records Management.
  - – Managing Records
  - – Managing Archives
  - – Preserving Records and Archives
  - – Electronic Records Management
  - – Appraisal and Disposal of Records
  - – Audio-Visual Archiving
  - – Organising Records: Classification Systems
  - – Legislation and Standards in Archives and Records Management
  - – ICT Applications in Archives and Records Management
  - – Organising Archives: Arrangement and Description
  - – Preservation Management of Archives and Records
  - – Archival Programming and Advocacy
  - – Archival Principles and Practices
  - – Archival Information Sources and Services
  - – Preservation and Conservation of Archival Materials

The world is moving: new education in the global hub

Classic & Digital Archival Diplomatics

Archival Science

Records Management

Records Knowledge

Records Forensics and Digital Preservation

Administrative Law, Law of Evidence, IP Law, FOIPPA

Information Assurance and Cybersecutity

Doctoral studies on ARM undertaken in South African universities (2005-2015)

No	Name	Title	University	Workplace
1	Abankwah R	Management of audio-visual materials in the member states of the Eastern and Southern Africa Regional Branch of the International Council on Archives (ESARBICA)	UKZN	University of Namibia
2	Chachage, B	Developing a village records management system model for rural development in Tanzania: a case study of Iringa region	UKZN	Tanzania
3	Garaba, F	Records and archives management by national and private archival institutions: the case of former national liberation movements' records in east and southern Africa	UKZN	University of Fort Hare
4	Kalusopa, T	Developing an e-records readiness framework for labour organisations in Botswana	UNISA	University of Botswana
5	Katuu, S	Managing records in South African public health care institutions – a critical analysis	UNISA	IAEA
6	Kemoni, H	Records management practices and public service delivery in Kenya	UKZN	Moi University
7	Makhura, M	The contributions of information user behaviour and records management towards an organization's competitive performance	UJ	Reserve Bank of SA
8	Ndenje-Sichalwe, E	The significance of records management to fostering accountability in the public service reform programme of Tanzania	UKZN	Tanzania

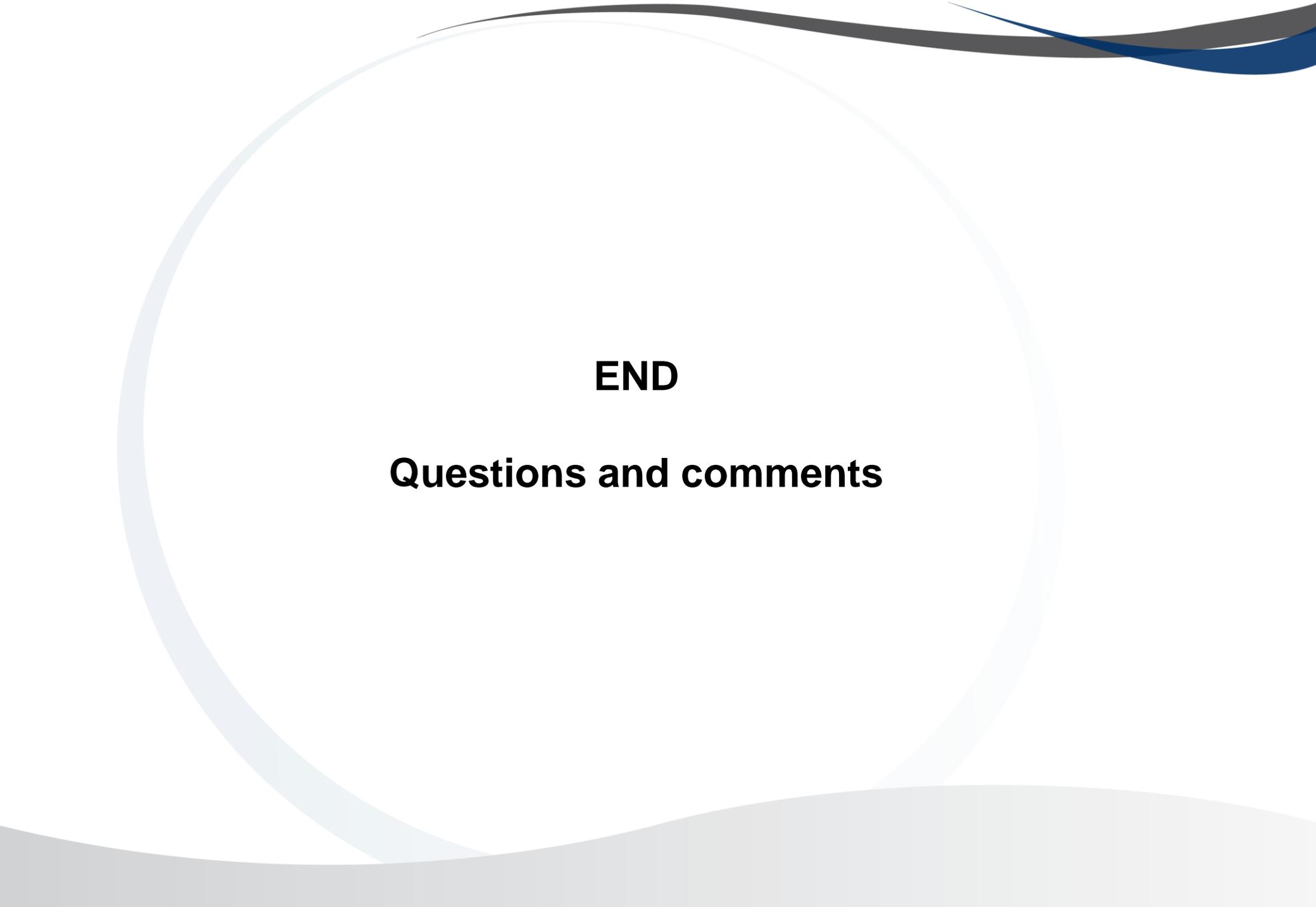# Doctoral studies on ARM undertaken in South African universities (2005-2015) . . .

No	Name	Title	University	Wokplace
9	Ngoepe, M	Fostering a framework to embed the records management function into the auditing process in the South African public sector	UNISA	UNISA
10	Ngulube, P	Preservation and access to public records in South Africa	UKZN	UNISA
11	Nsibirwa, Z	Preservation of, and access to, Legal deposit materials in South Africa	UKZN	UKZN
12	Peters, D	Oxidation at the wet/dry Interface in the Deterioration of paper in library and archival collections in humid climatic conditions	UKZN	-
13	Rodrigues, S	An archival collecting framework for the records generated by South Africa's Portuguese community-based organisation in Gauteng	UNISA	UNISA
14	Schellnack-Kelly, S	The role of records management in governance-based evidence, service delivery and development in South African communities	UNISA	UNISA
15	Sibanda, R	Developing a service quality measurement instrument for archival institutions	UNISA	-

Africa strategy

- Involvement in InterPARES: Trust on digital records

- Five Hundred Year Archive (FHYA), Carol Hamilton, UCT
  - develop and promote understandings of the archival possibilities of materials located both within and outside of formal archives and to facilitate their engagement. It does this in order to stimulate interest, research and enquiries into the southern African past.

- Community participatory action research project with NARS and provincial archives on 'taking the archives 'to the people
  - Inform curriculum
  - Bridge the gap between theory and practice
  - Involve other discipline
  - Empower students
  - Address real problems
  - Knowledge production

Conclusion and way forward

- The current curriculum does not fully embrace the management of digital records and Law

- Staff capacity is also a challenge

- Only three universities currently offer programmes in ARM

- Low throughput rate in doctoral programme
  - It is hoped that these graduates will contribute to the academic staff of the increasing number of new programme in universities as well as actively participate in global research.

- Several options could be suggested including
  - Curriculum re-alignment in tertiary institutions
  - Introduction of standards against which events management companies have to comply (a process that has had problems over the last few years)
  - A statutory body to serve as Institute of Certified Archivists and Records Managers (NCLIS)
  - ARM to be a fully fledged department
  - Curriculum should contain modules from law and computer sciences

END

Questions and comments