Building capacity
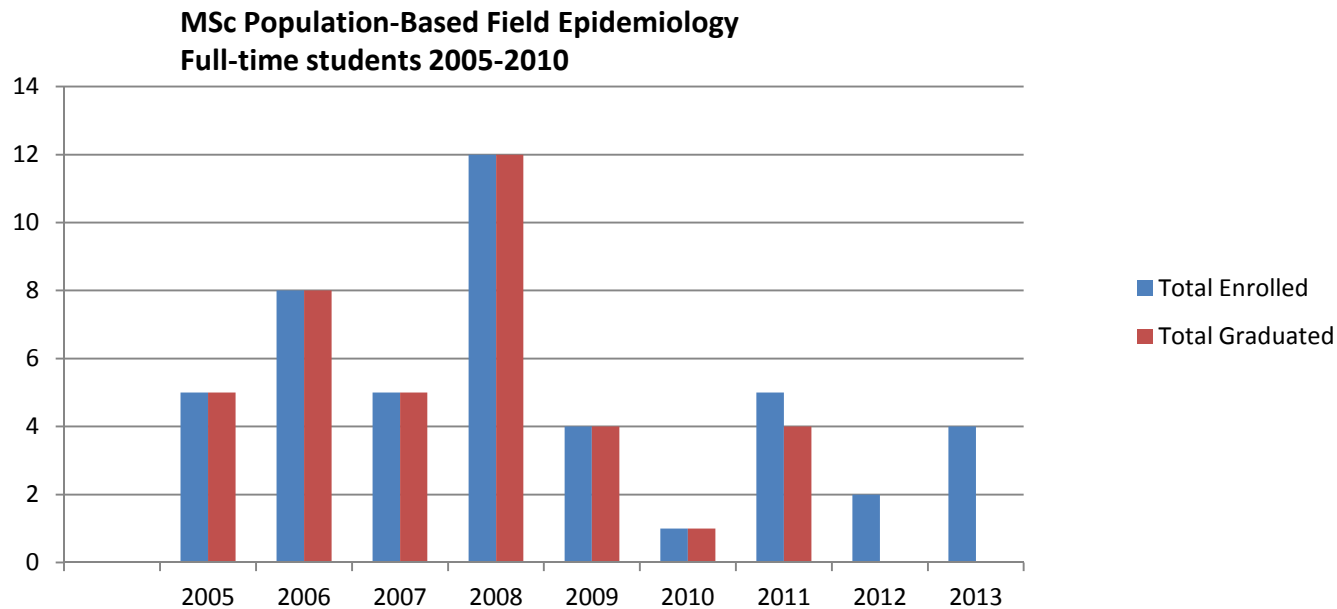
INDEPTH-Wits partnership

INDEPTH-WITS Partnership

- Partnership from 2006
- Started MSc in Population Based Field-Epidemiology

MSc Population-Based Field Epidemiology Full-time students 2005-2010

	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total Enrolled	5	8	5	12	4	1	5	2	4
Total Graduated	5	8	5	12	4	1	4		

Impact of INDEPTH-Wits training to-date: 2011

- Publication output – 17 alumni produced 53 publications, 8 first author, all indexed

- Resource for Africa as *all* students go "home"

- Progression to PhD studies 5/35 (12%)

- Progressive investment by Wits University – 5 new posts since 2005 sustainability
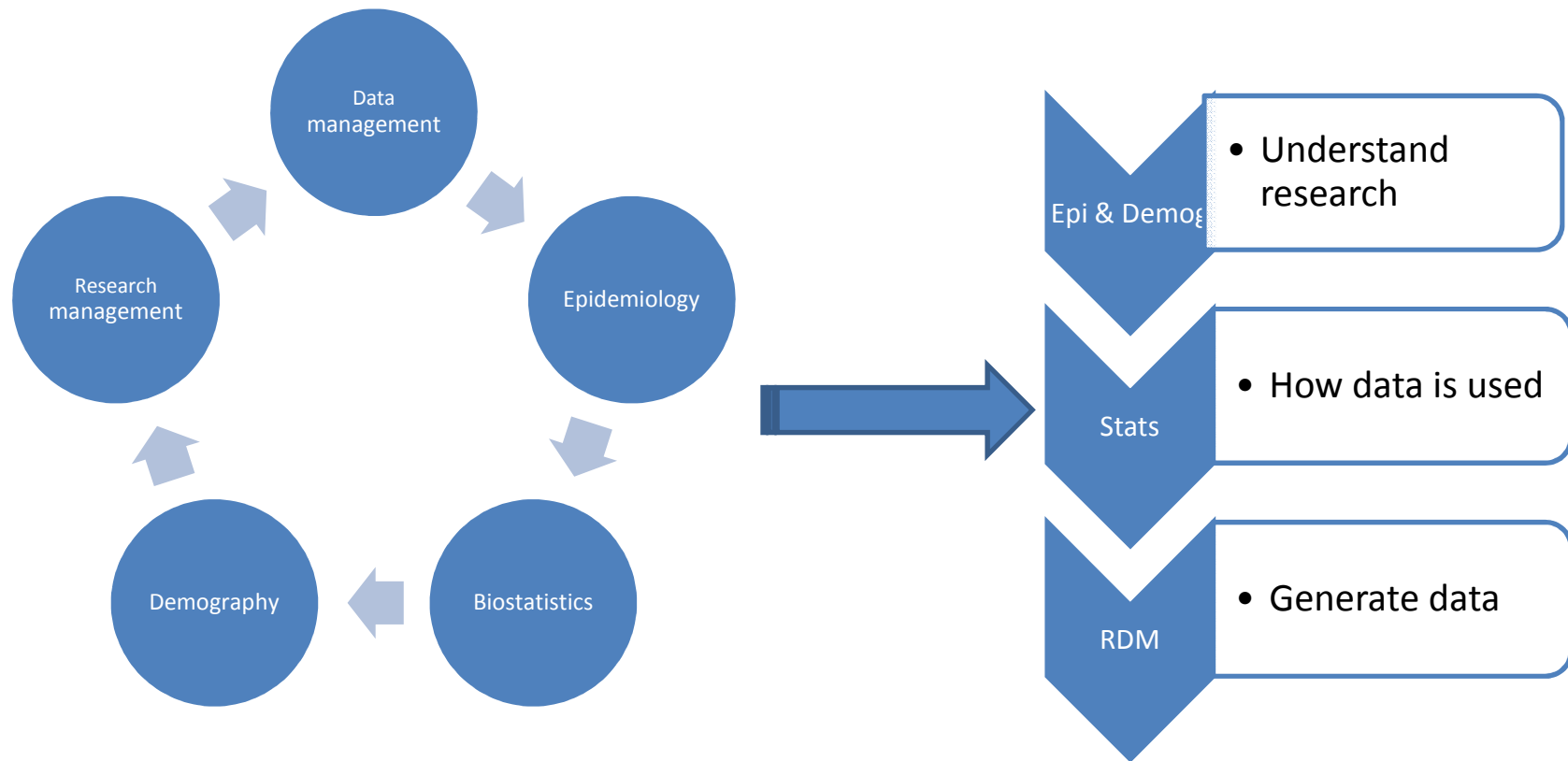
Rationale for new programme in Research Data Management

- Limited skills in advanced research database management

- Need to increase and strengthen this capacity: expressed need by students and HDSS leaders

- Research data managers should be part of the scientific process

- Need for a career pathway in order to retain staff in research centers

New programme

- Masters degree in Research Data Management

- Accreditation with Wits University 2012/23

- Short course piloted in 2013
  - Longitudinal Data and Event History Analysis
  - 19 participants

- Degree programme offered from 2014

General content

- Cost effective as builds on previous knowledge
- Acknowledges scarce skills while emphasising interdisciplinarity
- Not just "techies" but people who are research-oriented data managers
- Longer-term aim to create a pipeline for PhDs and post-docs

Structure of degree

- 18 month programme
- Coursework in year 1
  - 16 courses
- 5 month field attachment at an affiliated INDEPTH Centre
  - Undertake research report

Courses offered

- Research Ethics
- Research Protocol Development
- Introduction to Biostatistics in Computing
- Epidemiology for Health Researchers I
- Biostatistics for Health Researchers I
- Longitudinal data and event history analysis
- Principles and Operations of Relational Databases I
- Introduction to data management systems, structures and models
- Programming I
- Programming II
- Principles and Operations of Relational Databases II
- Data collection and capture
- Data processing, distribution and archiving I
- Data processing, distribution and archiving II
- Computing infrastructure for data managers
- Research report

Status of applications and staff

- Appointed a senior lecturer to run course
  - PhD in Computer Science
- 9 applicants to-date (not all INDEPTH)
  - need 10 students to run programme
- Origin of applicants
  - 3 Ghana
  - 3 South Africa
  - 1 Namibia
  - 1 Burkina Faso
  - 1 Tanzania

Curriculum Development Workshop 2013