

Research collaboration in Zimbabwe: Types, drivers and effects

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18 June 2018

Contribution of this PhD to body of knowledge

- **Research collaboration is not necessarily the same as research article co-authorship**
- **Dynamics of research collaboration in the African context**
 - ✓ **Types**
 - ✓ **Drivers**
 - ✓ **Effects**



Objectives of the study

- To examine the **patterns (types) of research collaboration** in Zimbabwe by means of a comprehensive **bibliometric analysis** of co-authored articles in journals that are indexed in Scopus and/or the Web of Science (WoS), for the period 1980-2016
- To supplement the bibliometric study with a **web survey** of Zimbabwean researchers to investigate the **types, drivers and perceived effects** of research collaboration
- To investigate in more detail the drivers, effects and overall **dynamics** of research collaboration through **six case studies** of research collaboration.

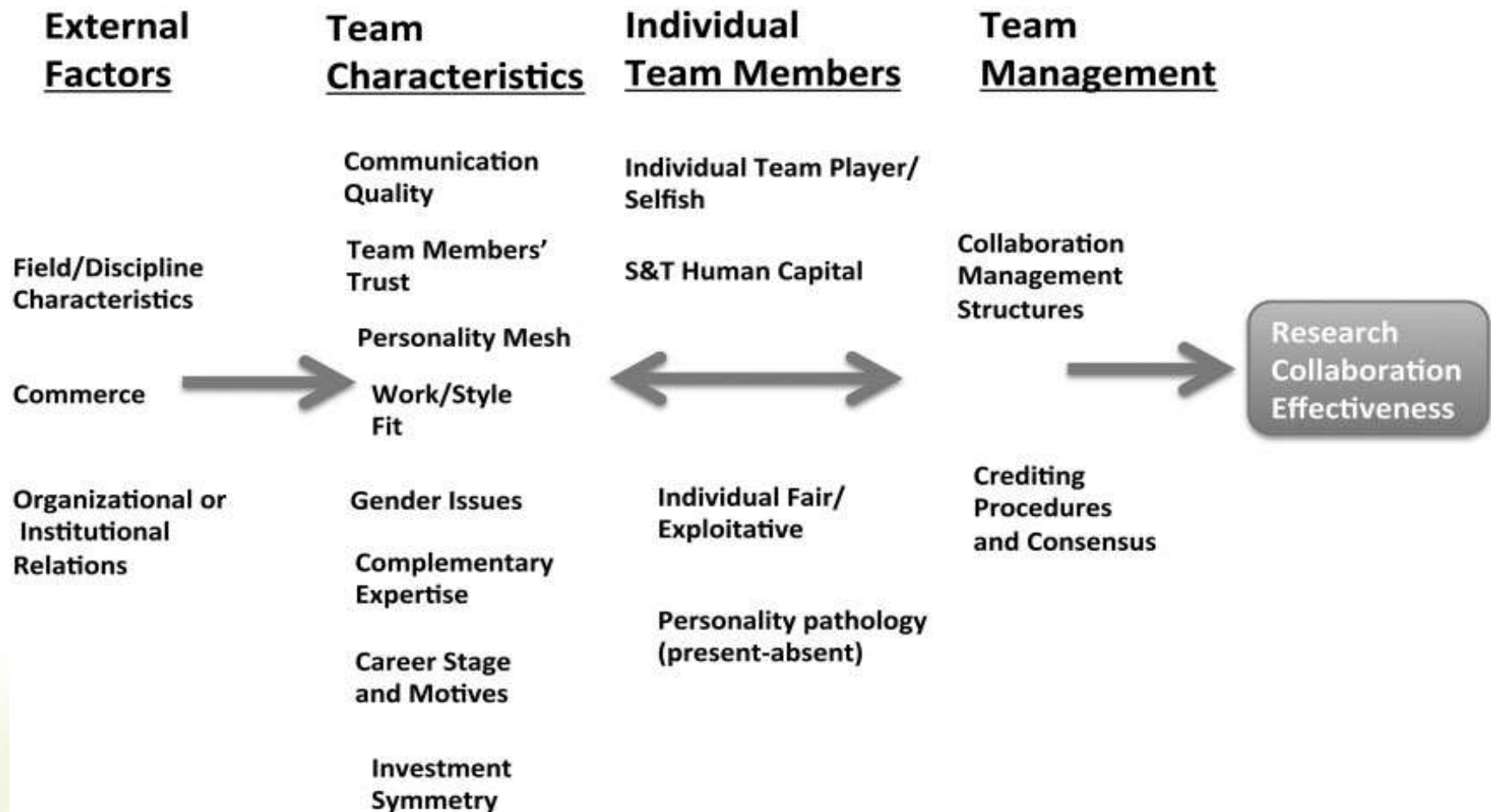
Study design

- Mixed-method design
 - Bibliometric analysis
 - Web survey
 - Case studies
- Three study approaches aligned with publication trajectories of collaborative research (next slide)

Three publication trajectories of research collaboration

Research collaboration occurred	Publication trajectories	Methods to study the dynamics of each trajectory
	Trajectory 1: Co-authored articles published in journals that are indexed in WoS, Scopus or a national database	Bibliometric analysis
		Web survey
		Two case studies
	Trajectory 2: Single-authored articles published in journals that are indexed in WoS, Scopus or a national database	Bibliometric analysis
		Web survey
		Two case studies
	Trajectory 3: No articles published	Web survey
		Two case studies

Framework guiding the study (Bozeman et al. 2016)



Where am I know?

- **Web survey**

- Developed questionnaire for web survey
- Submitted ethics clearance application for survey

- **Bibliometrics**

- Extracted WoS (CREST; online) and Scopus data (online)
- ONLY articles; 1980-2016; Zimbabwe in author address
- 11033 articles

Bibliometrics: WoS and Scopus (1980 – 2016)

	Count	Percentage
WoS only	2215	20%
Scopus only	2881	26%
Both Wos & Scopus	5937	54%
Total	11033	100%

Bibliometrics: NRDZ

(2012 – 2016: originally 1354)

	Count	Percentage
Not journal (other doc type)	54	5%
No record; only in NRDZ	220	21%
Journal publication	777	74%
Total	1051	100%

	Count
In WoS or Scopus	167
In predatory journal	???
In 'true' journal	???



Way forward...

- Complete literature reviews (2018)
- Run the web survey and analyse results (2018)
- Bibliometrics – compile integrated database and analyse (2018)
 - Need assistance with Scopus data
 - Spin-off article: The nature and contents of a national research repository (NRDZ)
- Select case studies before end of 2018
- Conduct case studies in 2019 and finalise dissertation

Thank you
