

# The relationship between the third mission and university ranking: exploring the outreach of the top ranked universities in BRICS countries

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International Conference: The Third University Mission

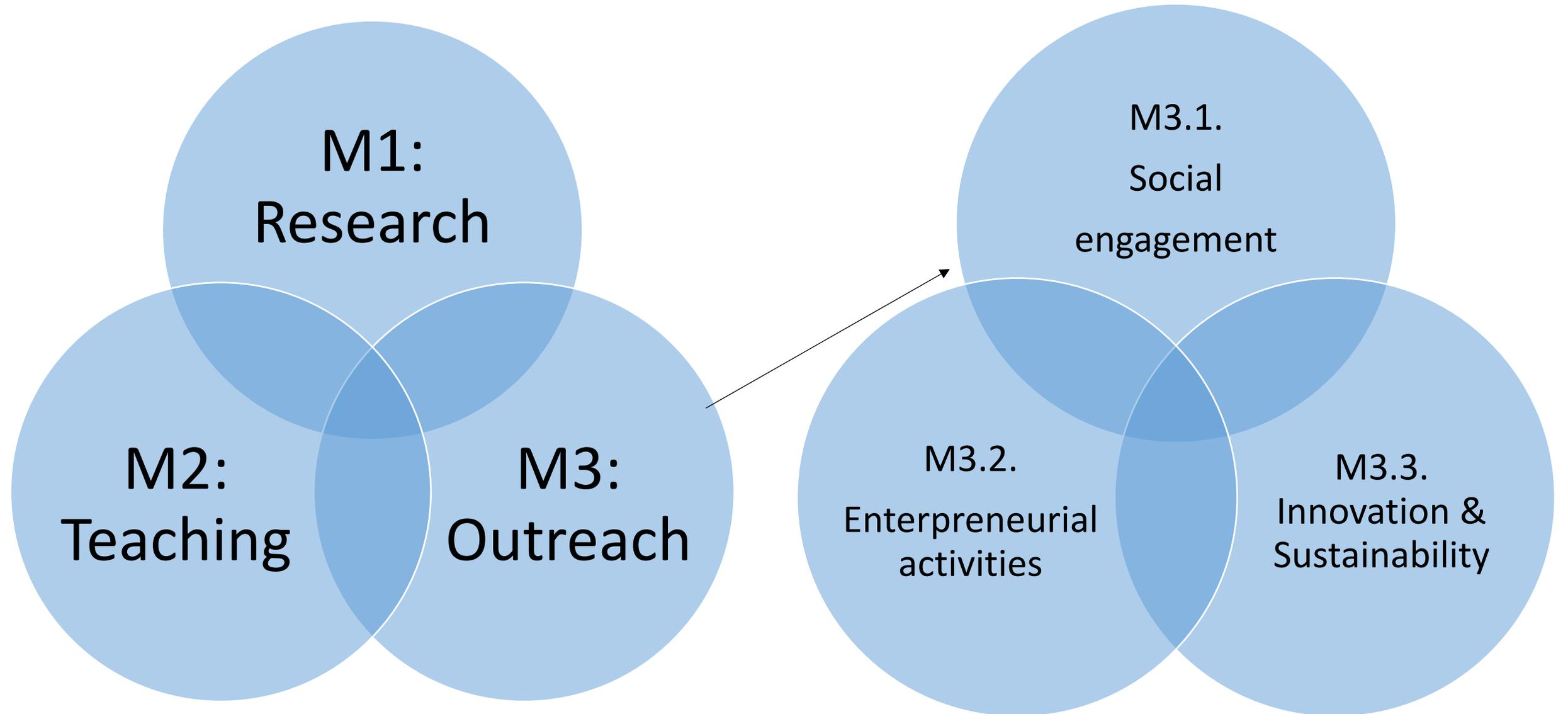
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Moscow State University, Russia

# Why this study?

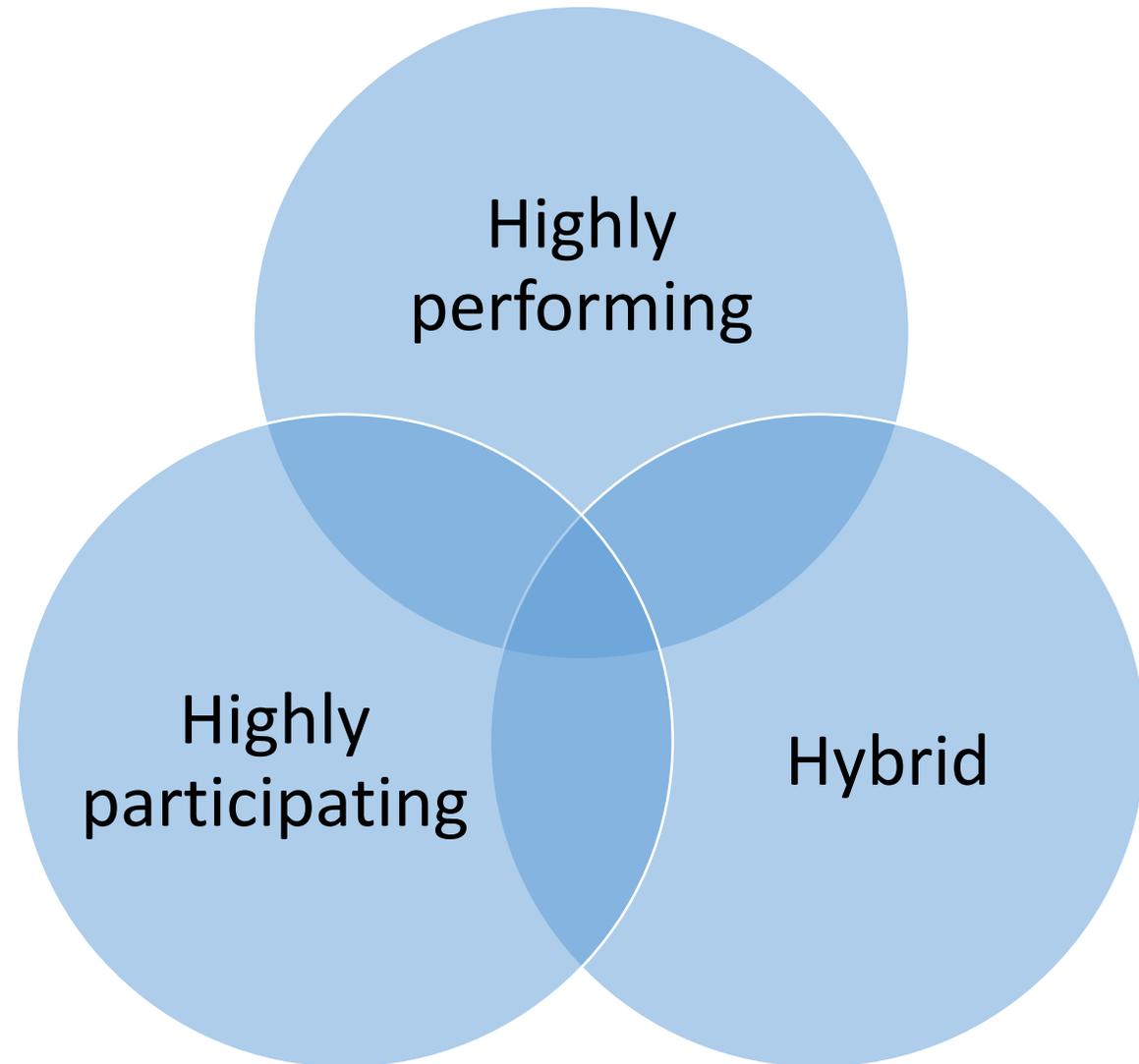
- This study aims to understand the relationship between the third mission of the university and university ranking
- In particular the study explores the third mission strategies as articulated in the vision and mission statements of the 5 top ranked universities/institutions in BRICS nations
- BRICS – 40% population, 25% world's land, influential economic cooperation

# Third mission conceptualization - 1

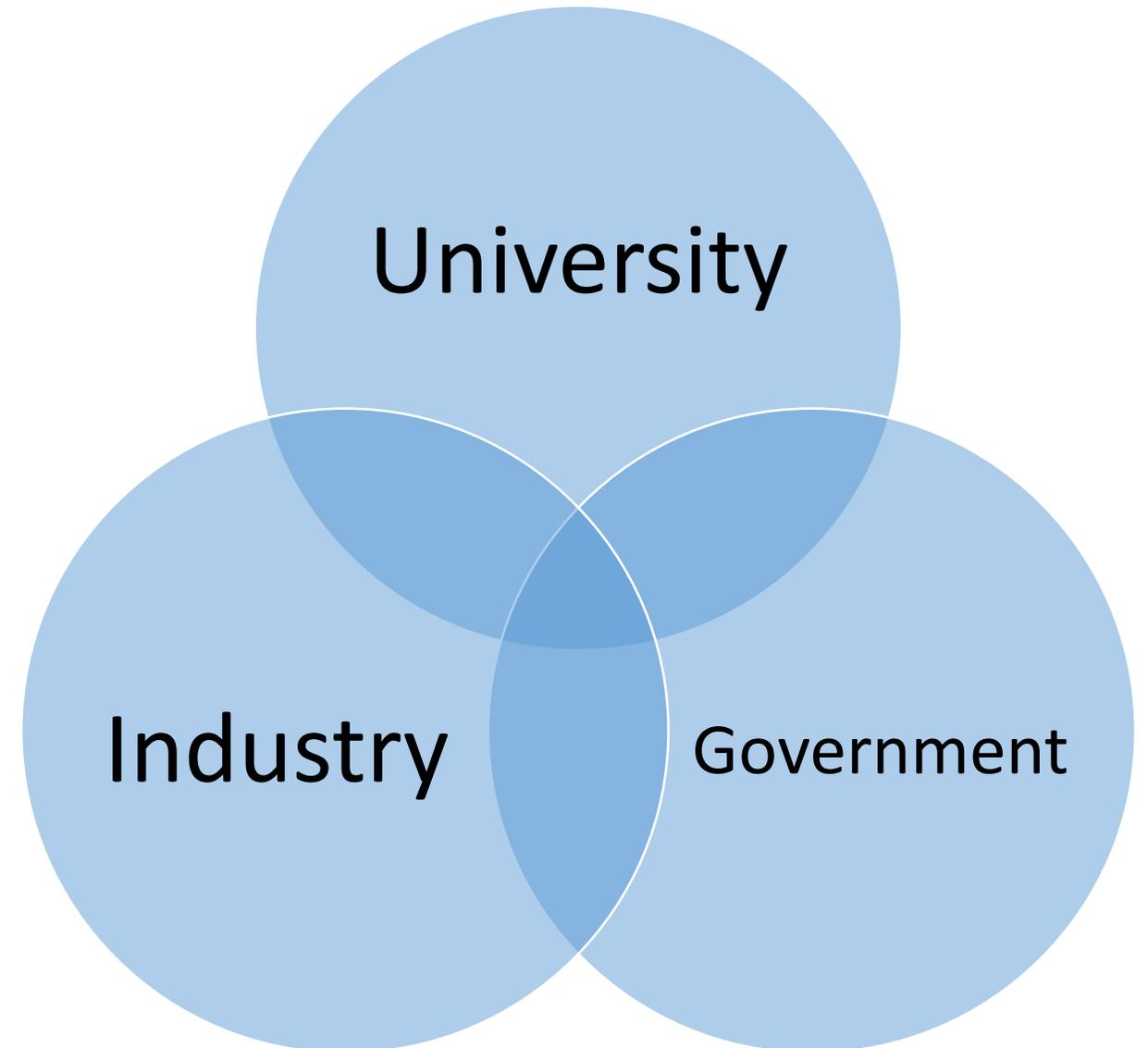


# The third mission conceptualization -2

**Social embedded university**



**Triple Helix**



# How the study is done?

- Relevant literature review helps the research to understand the third mission of the university and how it relates to university ranking
- Following the study maps out the top ranked universities in BRICS nations in four ranking systems such as QS, Times, ARWU and MosIUR
- Reviews the mission and vision (as mentioned in their websites) of the top ranked universities from BRICS nations to understand the strategies of these universities to address the third mission
- The third mission activities must be further studied in-depth

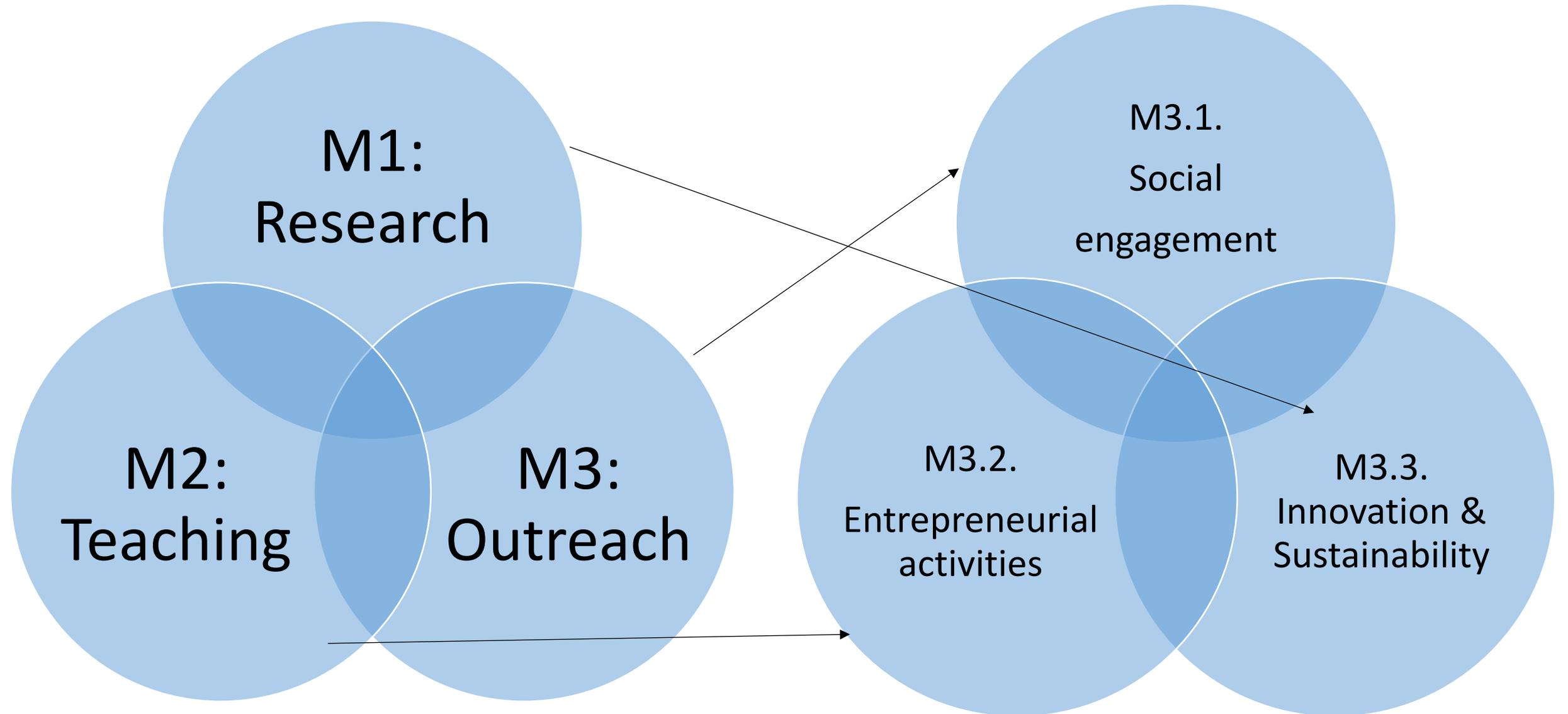
# Comparing what ranking measures

	Criteria	Weightage	Third Mission Activities
Quacquarelli Symonds (QS) Ranking (2018)	Academic reputation	40%	
	Employer reputation	10%	
	Student to faculty ratio	20%	Social engagement
	Citation per faculty	20%	
	International faculty ratio	5%	
	International student ratio	5%	
The Times Higher Education World University Ranking (Times) (2018)	Research: volume, income, and reputation	30%	
	Citation: research influence	30%	
	Teaching: the learning environment	30%	
	International outlook: people and research	7.5%	
	Industry income: innovation	2.5%	Entrepreneurial activities & Innovation
Academic Ranking of World Universities (ARWU) (2018)	Quality of education (Alumni 10%, Award 10%)	10%	
	Quality of faculty (staff awards and prizes 20%, highly cited researchers 20%)	40%	
	Research output (papers published in Nature and Science 20%, papers in indexed in sciences and social sciences 20%)	40%	
	Per capita performance	10%	
MosIUR (2018)	Quality of applicants, training level, interactional competitiveness, resource base	-	
	Recognition of awards, R&D activities, Education affordability, relationship with labour market, regional links, campus quality, communication with society,	-	Social engagement Entrepreneurial activities Sustainability
NIRF (2018)	Teaching and learning resources		
	Research and professional practice		
	Graduation outcome		
	Outreach and inclusivity		Social engagement
	Perception		Sustainability
Folha de S. Paulo (2018)	Research		
	Teaching		
	Internationalisation		
	Innovation		Innovation
	Market value		Entrepreneurial activities

# Exploring the third mission indicators in literature

- Brandt et al. (2018) indicated that the implementations of third mission activities help improve the visibility of the university
- Montesinos, et al (2008) recommends that ranking systems must consider the third mission 'services to society' as a key criteria in ranking
- Marhl & Pausits (2011) provide relevant indicators to assess the third mission activities, and they say that ranking systems lacks clear methodology
- Stolz, et al. (2010) used the Berlin Principles on Ranking that has 16 broad and comprehensive principles to benchmark
- The European indicators and ranking methodology for university third mission draft green paper (ESNA, 2012) indicate that the third mission has received sufficient policy attention, while embedding it into universities third mission strategies needs serious attention

# Third mission actualization



# Number of BRICS universities in ranking

	Brazil	Russia	India	China *	South Africa
<b>QS (2019)</b> Top 500	5	15	9	22 (4)	3
<b>Times (2018)</b> Top 500	2	4	5	14	4
<b>Shanghai / ARWU (2018)</b> Top 500	6	4	1	51	4
<b>MosIUR (2018)</b> Top 174	3	13	5	10 (4)	2

# Top Ranked BRICS HEd institutions

	QS 2019	Times 2018	Shangai/ARWU 2018	MosIUR 2018
Brazil	Uni. São Paulo 251-300	Uni. SãoPaulo 118	Uni. São Paulo 151-200	Uni. São Paulo 122
China	Tsinghua Uni. 22	Tsinghua Uni. 17	Tsinghua Uni. 45	Peking Uni. 33
India	IIT-Bombay 170	IIS 251-300	IIS 401-500	AIIMS 125
Russia	LMSW 90	LMSW 199	LMSU 86	LMSU 25
South Africa	UCT 200	UCT 156	UCT 301-400	UCT 145

# Third Mission in BRICS Universities' Vision and Mission

Third mission / University	Social engagement	Entrepreneurial activities	Innovation and sustainability
Uni. São Paulo, Brazil (2018)	Strongly embedded	Rarely embedded	Moderately embedded
Moscow State university, Russia (MSU, 2008)	Strongly embedded	Rarely embedded	Moderately embedded
Indian Institute of Science, India (2018)	Moderately embedded	Rarely embedded	Strongly embedded
Tsinghua University, China (2018)	Moderately embedded	Rarely embedded	Strongly embedded
University of Cape Town, South Africa (2018)	Moderately embedded	Rarely embedded	Strongly embedded

# Concluding Note

- There is no clear link between the third mission and university ranking in most ranking systems with some exceptions
- Ranking systems must evolve to integrate indicators to measure the third mission strategies and activities
- The findings of the study indicate that the top ranked BRICS universities indicate clear aspiration of their third mission
- They reasonably capture their third mission with relevant strategies and outreach activities in their vision and mission statements (all of them are public universities)
- However, there are no clear indications about measuring the third mission strategies and activities of these institutions, which needs to be studied further in detail