



South African BRICS Think Tank



Talk to my Study:

A Public BRICS AI Strategy focused on
Scientific And Educational Cooperation



BRICS Academic Forum 2024 - People in the Spotlight: Maximizing BRICS Biggest Asset

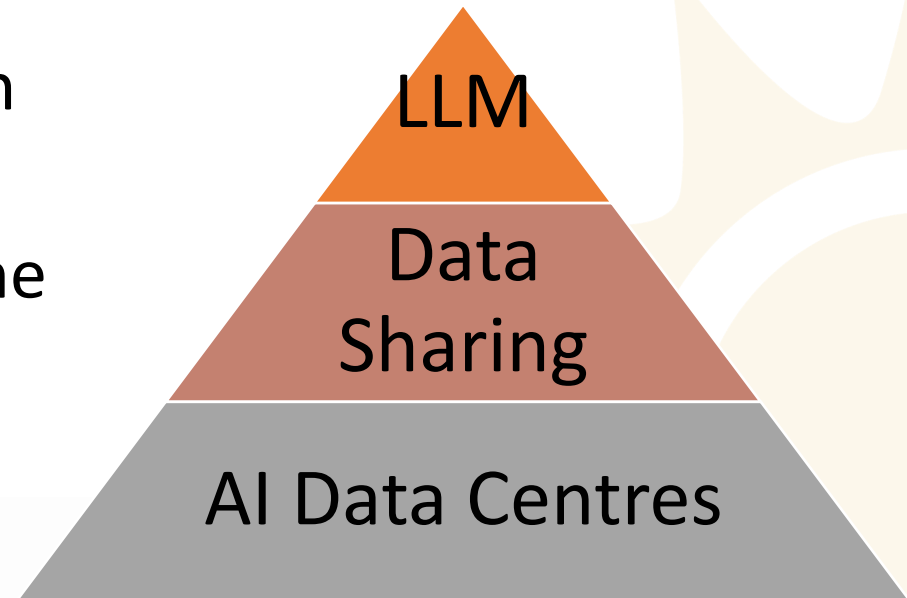
Presentation by: Mr Krish Chetty, Human Sciences Research Council, South Africa

Date: 22-24 May 2024

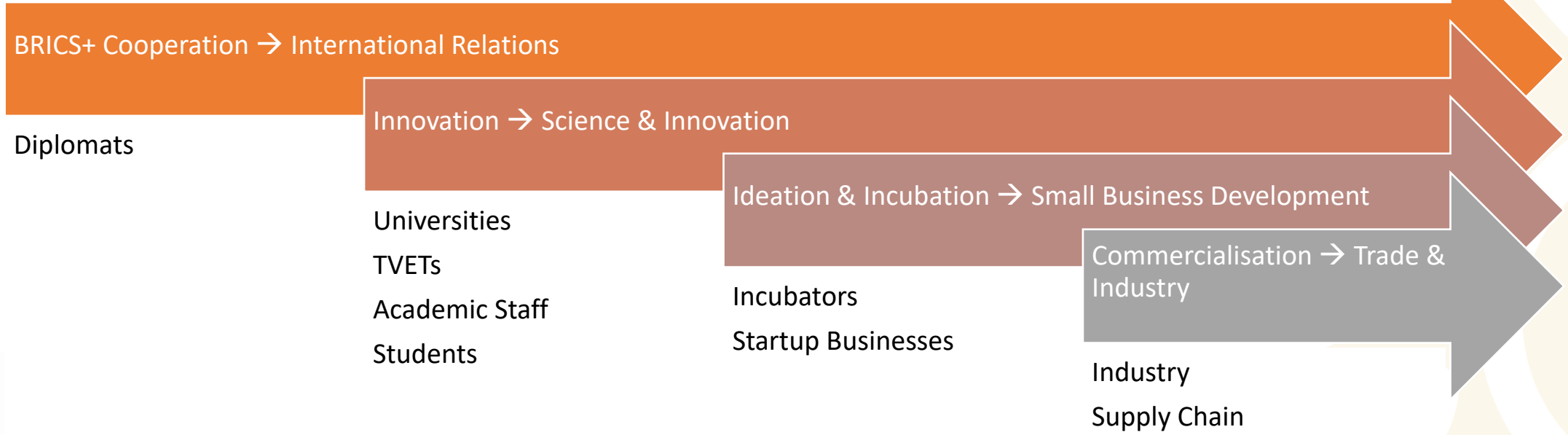


Recommendation

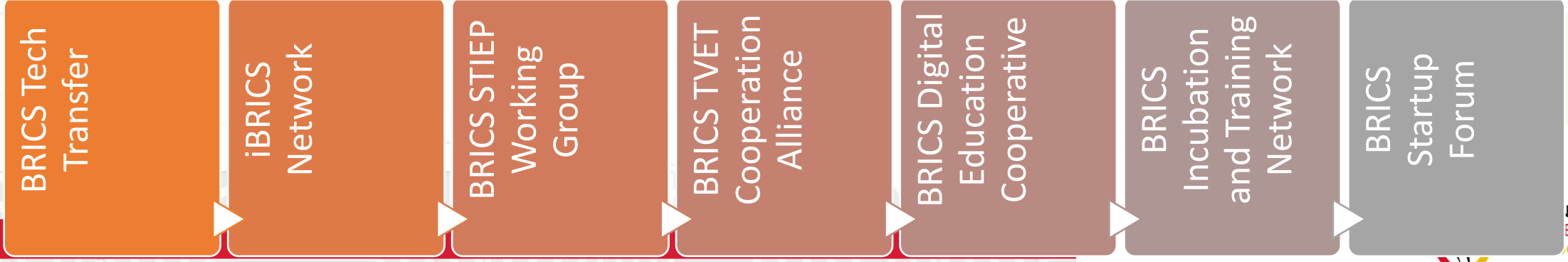
- Establish a public BRICS AI Strategy focused on Scientific and Educational Cooperation
- Infrastructure to connect all stakeholders in the Innovation Pipeline
 - AI Data Centres,
 - Data Sharing Platform
 - BRICS Innovation Large Language Model (LLM)
- Initiated by the BRICS PartNIR Innovation Centre
- Shared by the BRICS Virtual Academy



AI Strategy Connecting Stakeholders across Innovation Pipeline



Managed by BRICS Virtual Academy



Opportunities

Science Cooperation

- Large Language Models are the most effective method to exchange knowledge
- Chinese National System of Innovation highlights how data sharing accelerates cooperation and innovative solutions
- India Stack demonstrates Open Source opportunities for Public Digital Infrastructure
- Untapped resource in academic research

Shared Public BRICS AI Data Centres

Public Data Centre populated with BRICS data,
accessed by Innovators

Will accelerate Innovation

Pool Resources and Intellectual Property

Maintain control of economic driver

Informed by *Chetty, Gopal, Yarygina, Kripalani,
Yudina, Josie, Anandaram and Wen (2024)*



BRICS Data Sharing Platform

Adopt Best Practices from the Chinese National Data Administration agency

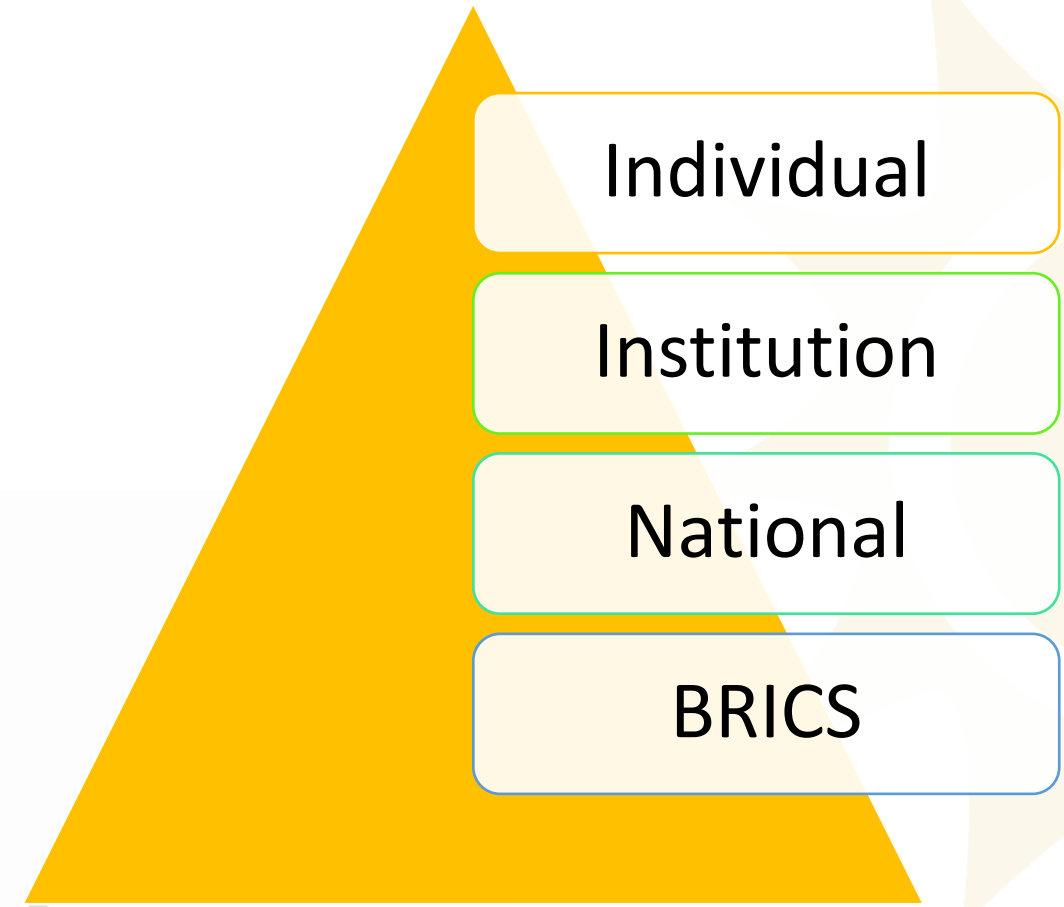
Data drives science discovery and innovation

“Opt In Model” – Give Innovators control of their data

Allow all stakeholders in the innovation pipeline to connect and opt in to sharing data

Data siloes inhibit cooperation and innovation

Data platforms can bridge academia and industry



BRICS Shared Large-Language Model

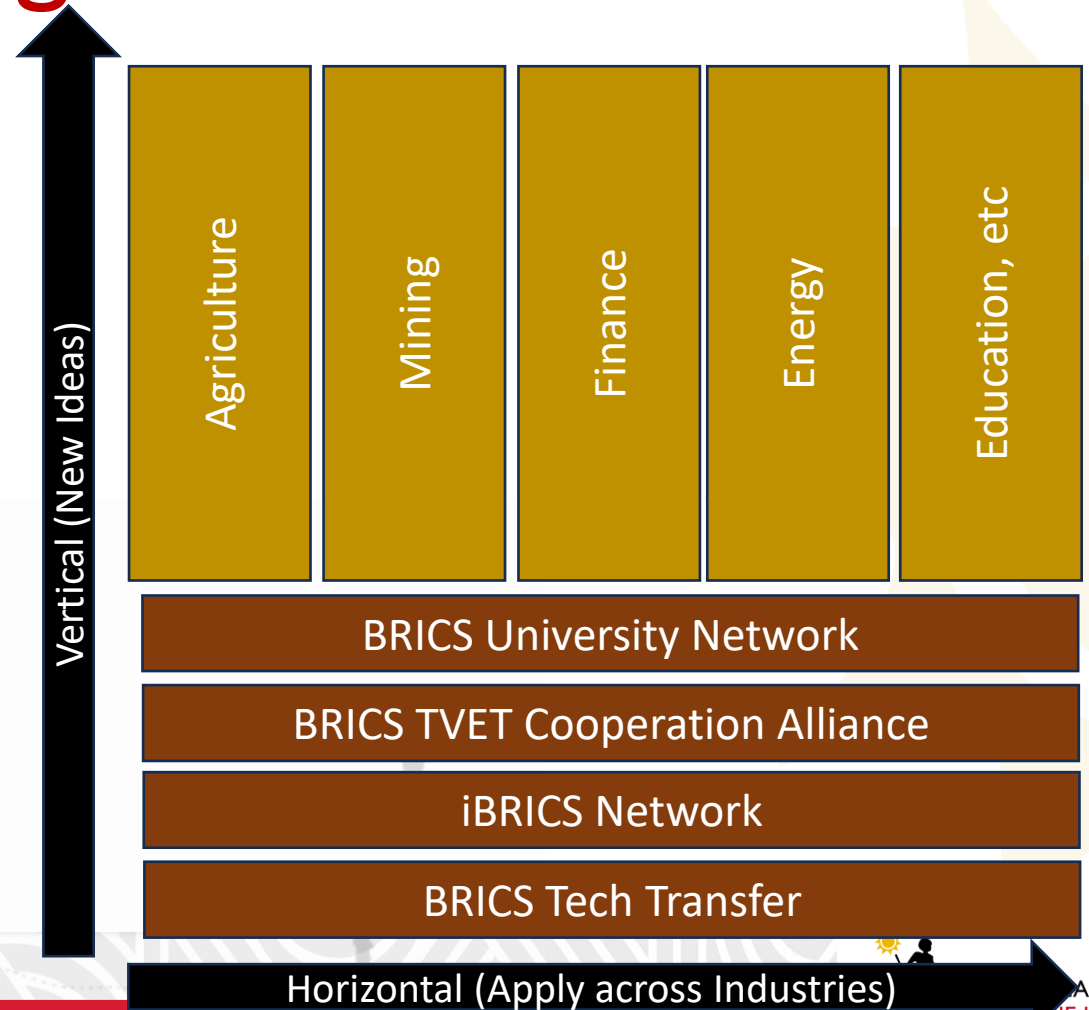
Allows Vertical and Horizontal Knowledge Exploration

Surface STI Best Practices

Share innovation opportunities across borders

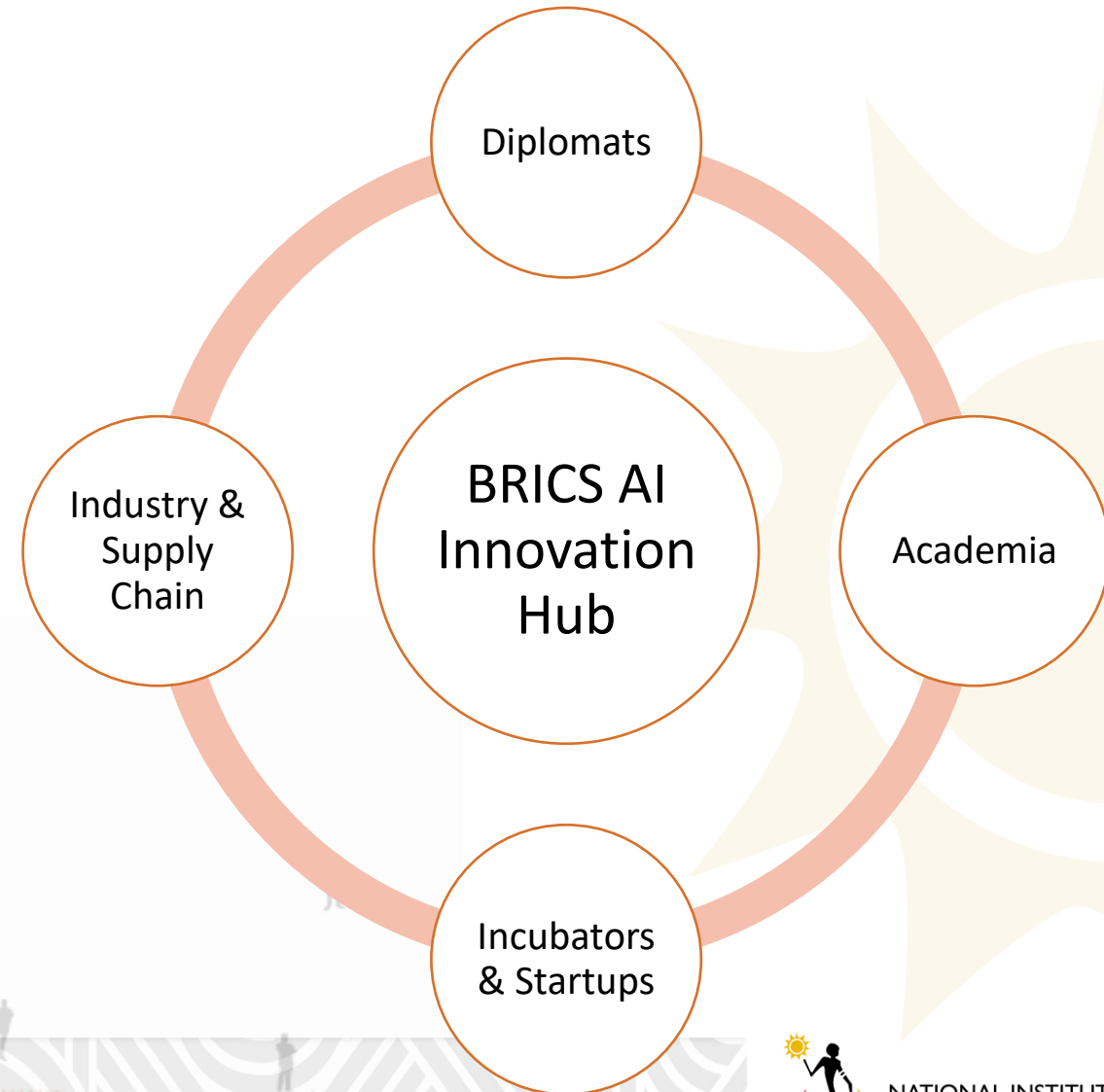
Integrate uncommercialised research from Academia

Research needed for optimal shared governance



End Goal

- All members of the Innovation Pipeline can explore ideas for innovation and cooperation.
- Foundation for Innovation
- LLM can encourage match-making.
- Knowledge exchange across borders and languages.
- Education Sector can adapt the model for the AI-Tutoring
- Education Sector can adapt curricula to industry priorities





Thank You

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