



# Local-global linkages between universities and firms

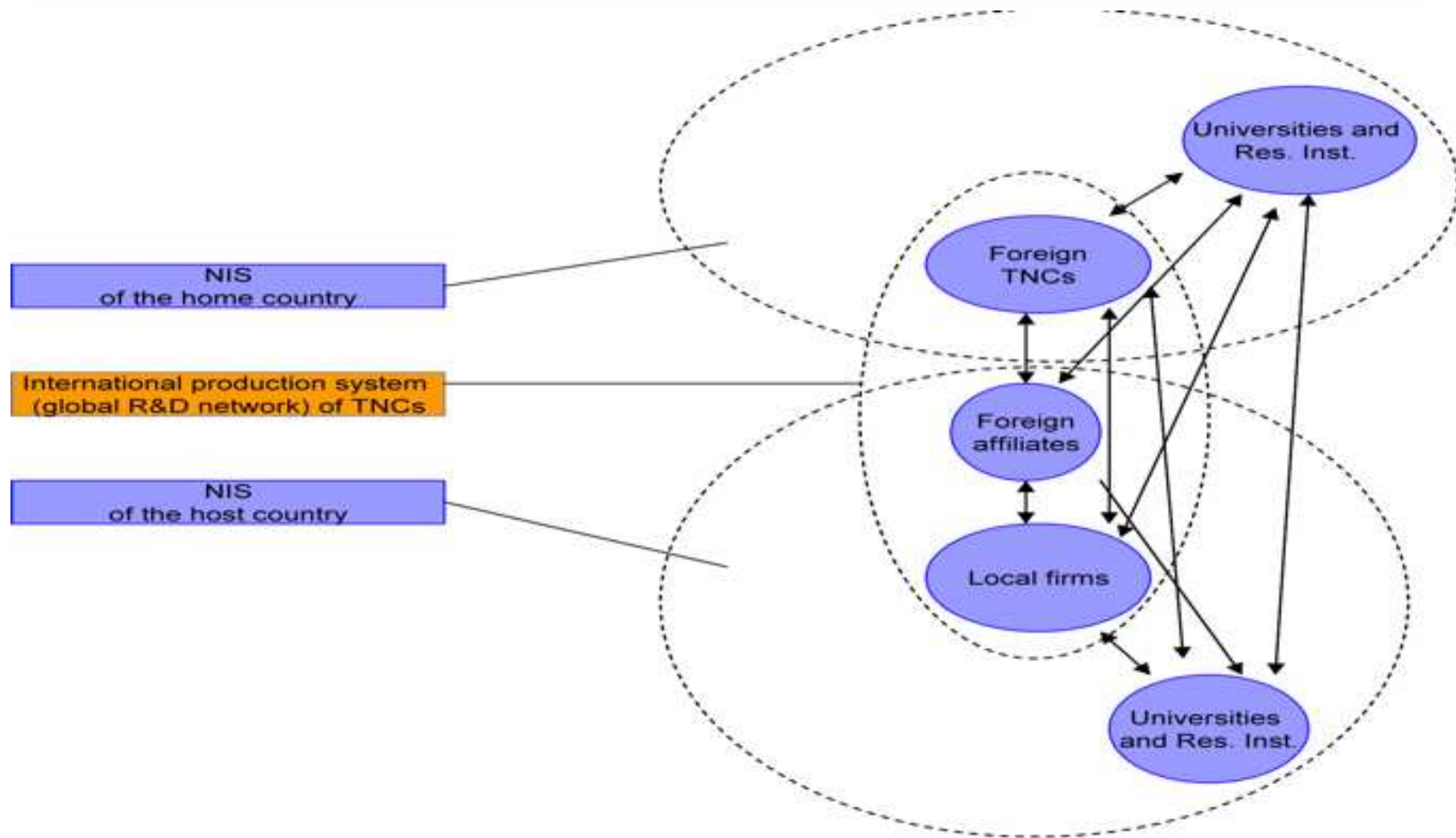
Glenda Kruss  
Eduardo Albuquerque  
Gustavo Britto

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# Global interactions between firms and universities



# ***Universities, GINs and Interactions***

Literature on firms interacting with universities:  
tends to investigate interactions within national  
boundaries of a single country

Klevorick et al (1995) and Cohen et al (2002)

Literature on GINs: universities are typically seen as  
important (pool of S&T talent) for the emergence of  
GINs, but research has given very limited attention to  
their role

Ernst (2006, 2009) The Economist Intelligence Unit (2007)



## In parallel...

- Case studies of university interaction to identify instances of GINs and the role of universities:
  - Brazil – automotive sector
  - South Africa – agro-food (dairy) sector

=> Literature + empirical research = a tentative framework and taxonomy



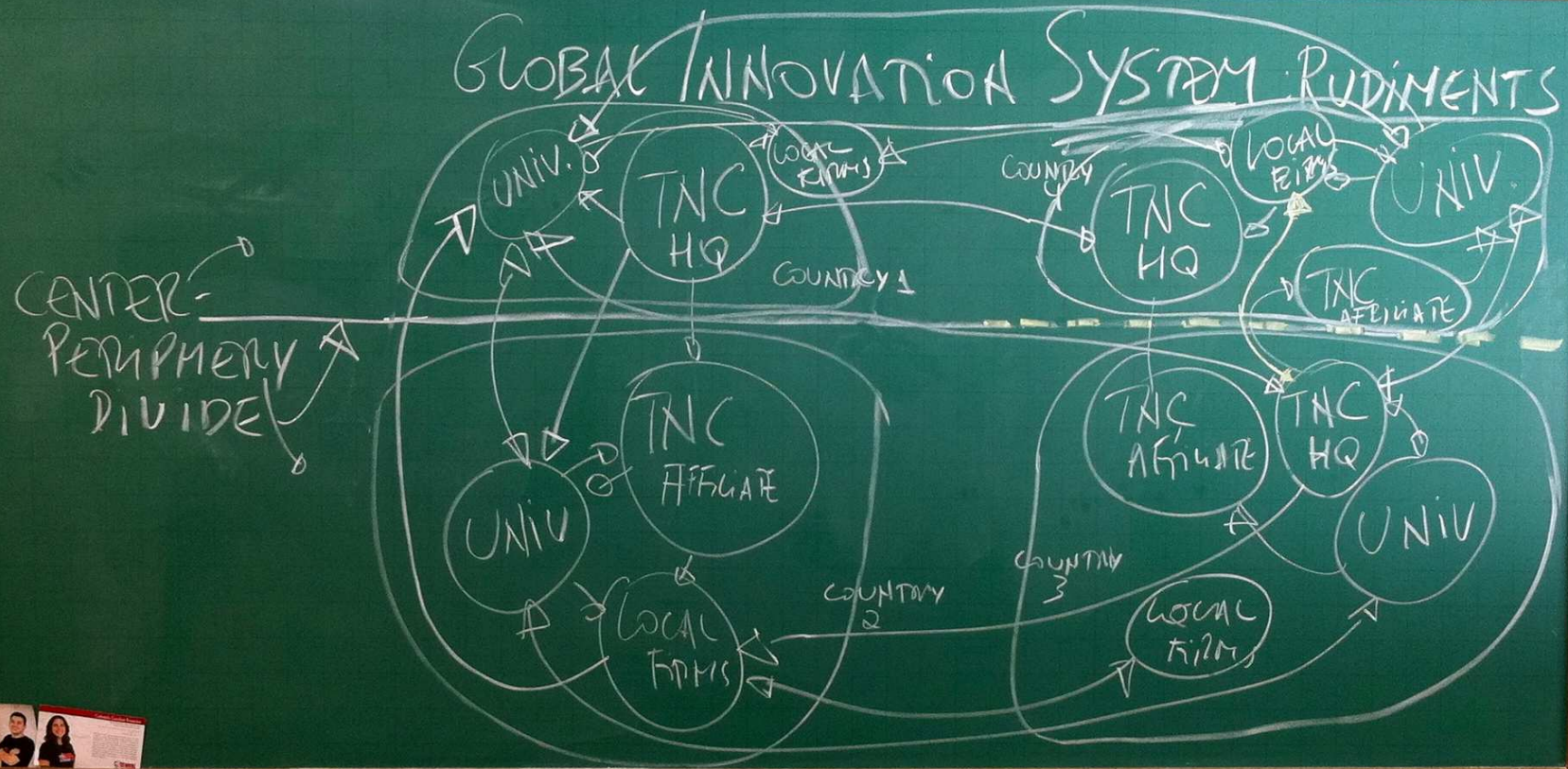


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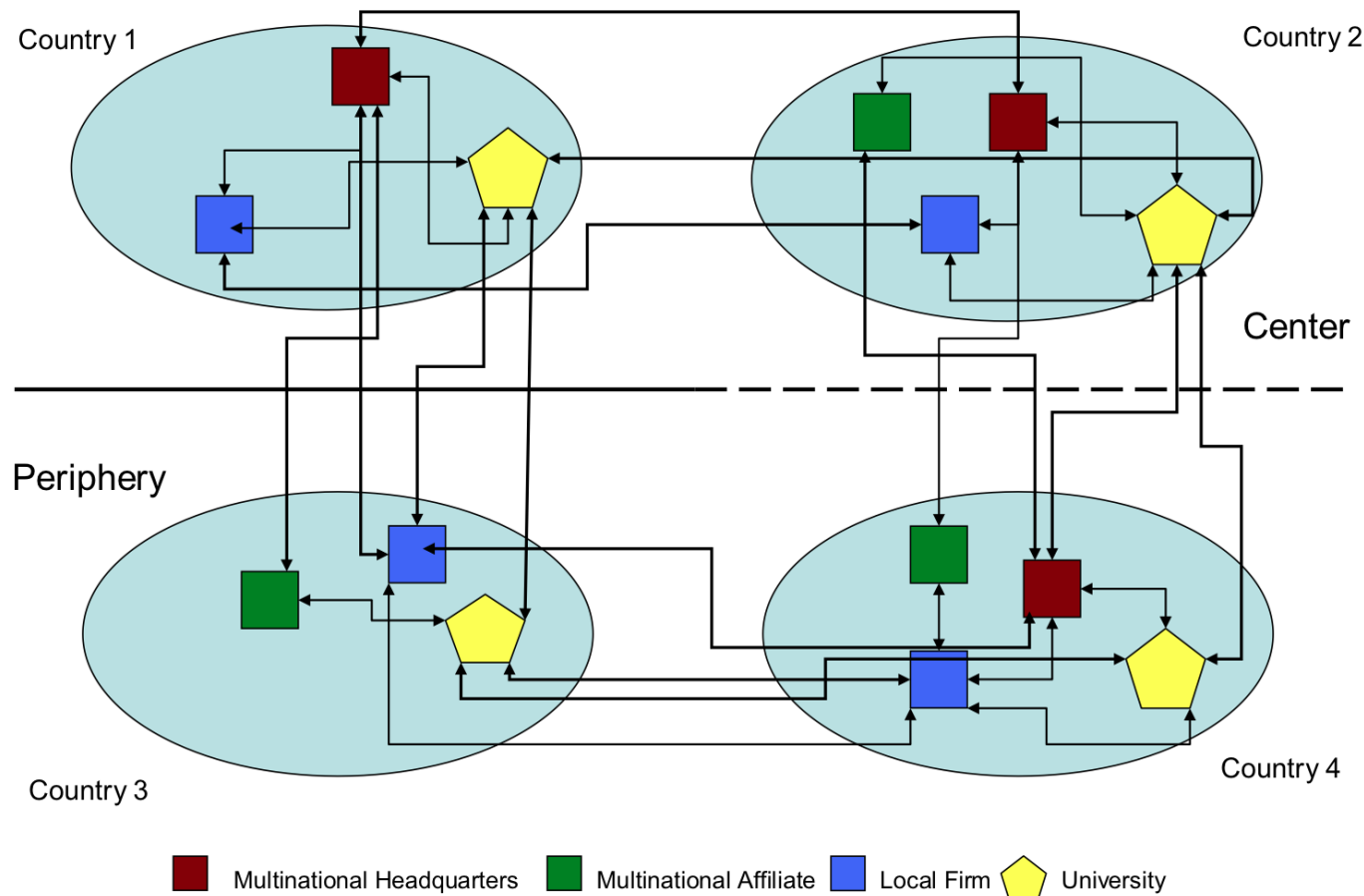
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# Picture becomes more complex....



# Global Interactions Between Firms and Universities



# ***Tentative Typology: Firms and Universities***

1. Only LOCAL (home country) interactions
2. INTERNATIONAL interactions of LOCAL firms
3. TNCs interacting only with their LOCAL universities
4. TNCs interacting both with LOCAL and FOREIGN (host country) universities
5. Firms that interact with NETWORKS of universities
6. A NON-HIERARCHICAL NETWORK between MNC headquarters and subsidiaries and universities
7. INTERNATIONAL CONSORTIA between firms and universities

