

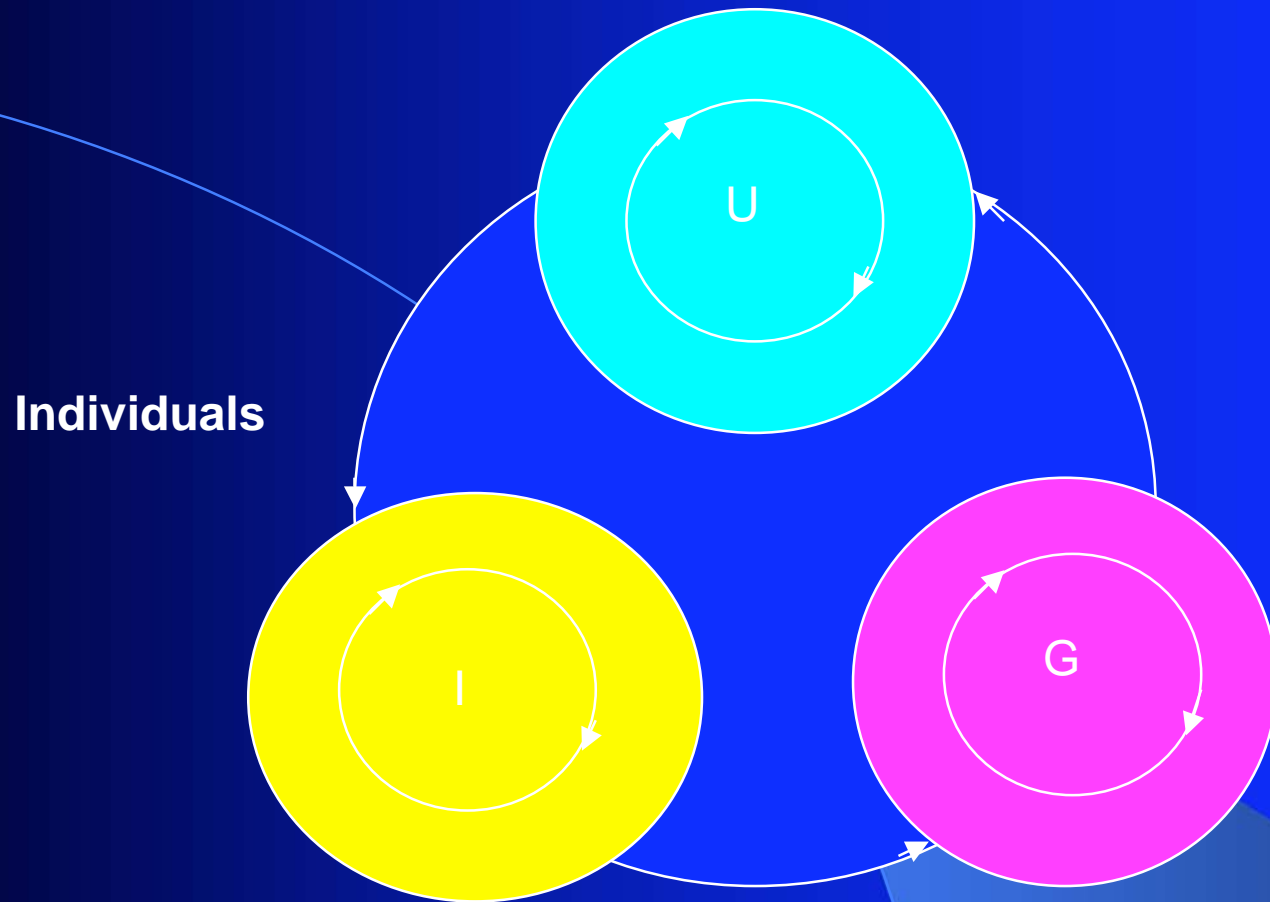
Circulation in the Triple Helix

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Circulation of Individuals in Triple Helix



Newcastle Professors of Practice

- 1/2 time Chairs to attract technical entrepreneurs (and their firms)
- Role models for faculty and students
- Conflict to confluence of interest
- Jointly funded by University and Regional Development Agency

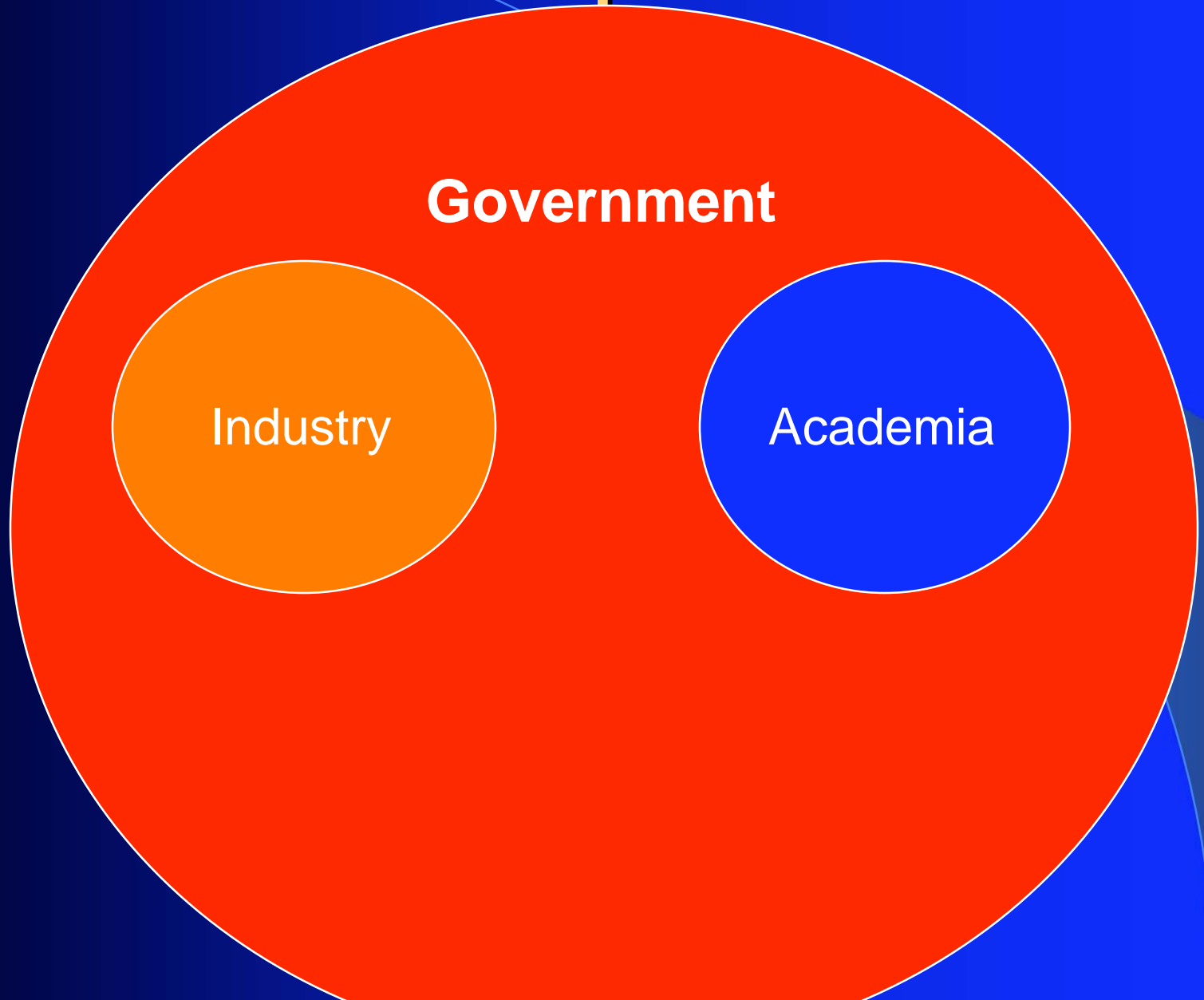
Novum Trivium

- Scientific/Technological Field
- Entrepreneurship and Innovation
- Language and Culture

Triple Helix Thesis

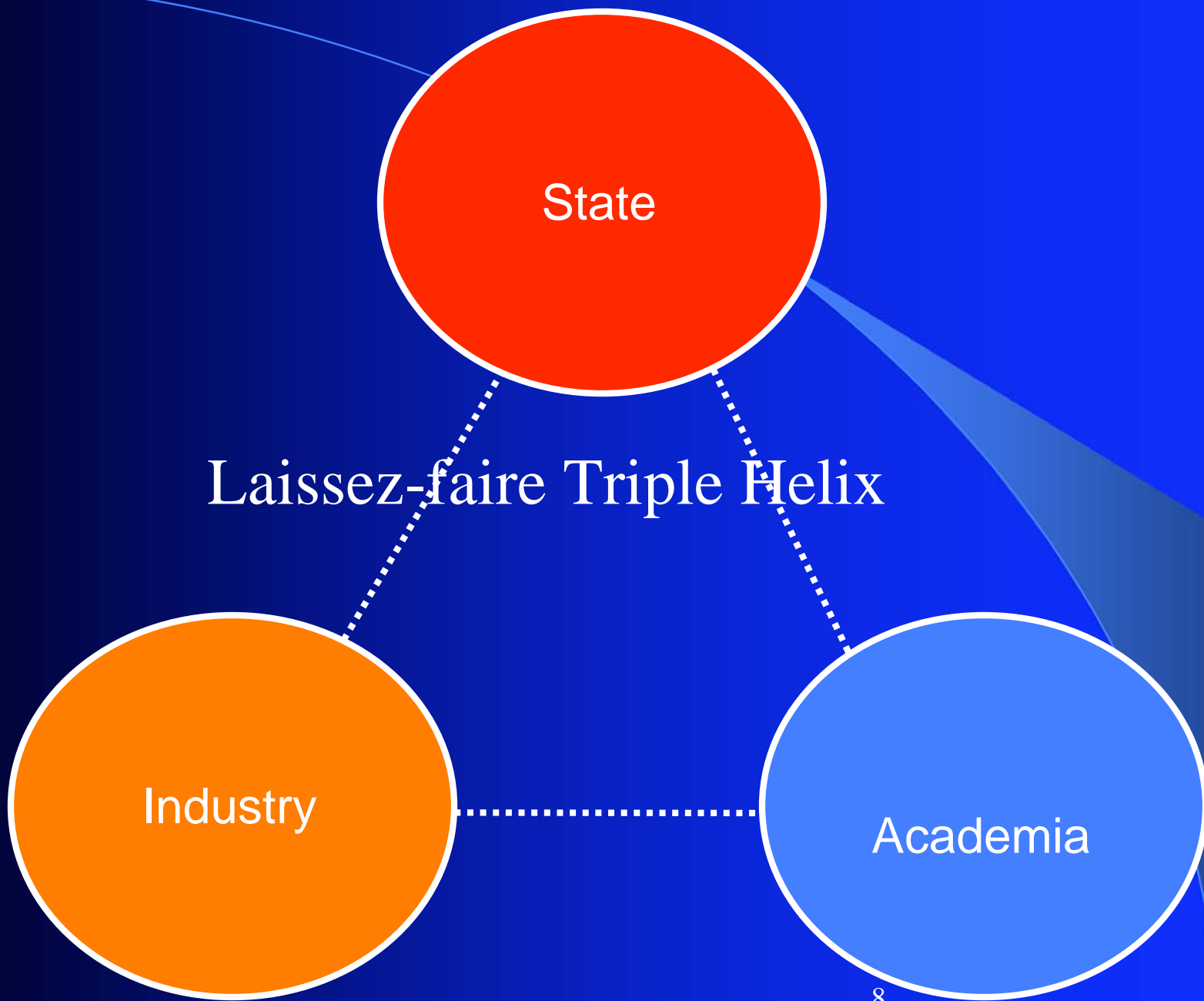
- University Plays leading role in Knowledge-based Society: shift from secondary to primary institutional sphere
- From Separate or Dominant to Overlapping Institutional Spheres
- Taking the role of the other e.g., university forming firms; government as venture capitalist; industry raising training to higher levels

Statist Triple Helix



Statist Triple Helix

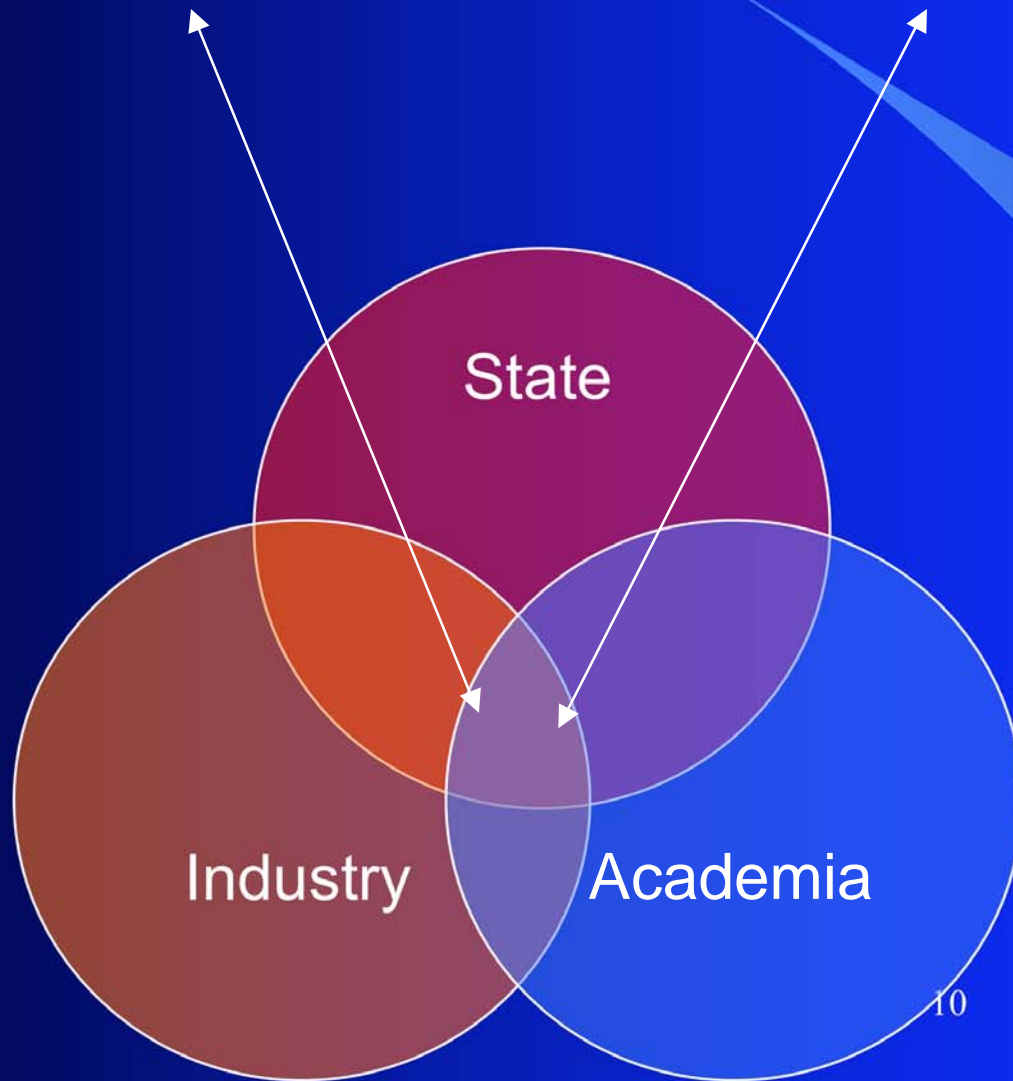
- Government dominates other spheres
- Top-down bureaucratic co-ordination
- Large project mentality
- Industry: national champions
- University: primarily teaching institution



Laissez-Faire Triple Helix Separate Spheres

- University: basic research and human resource provider
- Industry: Firms linked by market
- Government: limited to addressing market failures
- Individualistic mentality; heroic entrepreneur
- Interface Units Across strong boundaries

Hybrid Organizations and Actions *e.g. Incubator Movements*





The Triple Helix: University-industry-Government Innovation in Action



- London: Routledge
- Publication Date: Feb. 20, 2008

- Triple Helix VI Singapore May 07
- www.triplehelix6.com
-
- Triple Helix VII Glasgow June 09
- Triple Helix VIII Madrid May 10



World Health
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Second Annual

Triple Helix Summit

February 2 – 5, 2008

Sheraton Waikiki Hotel
Honolulu, Hawaii