
The Triple Helix Model

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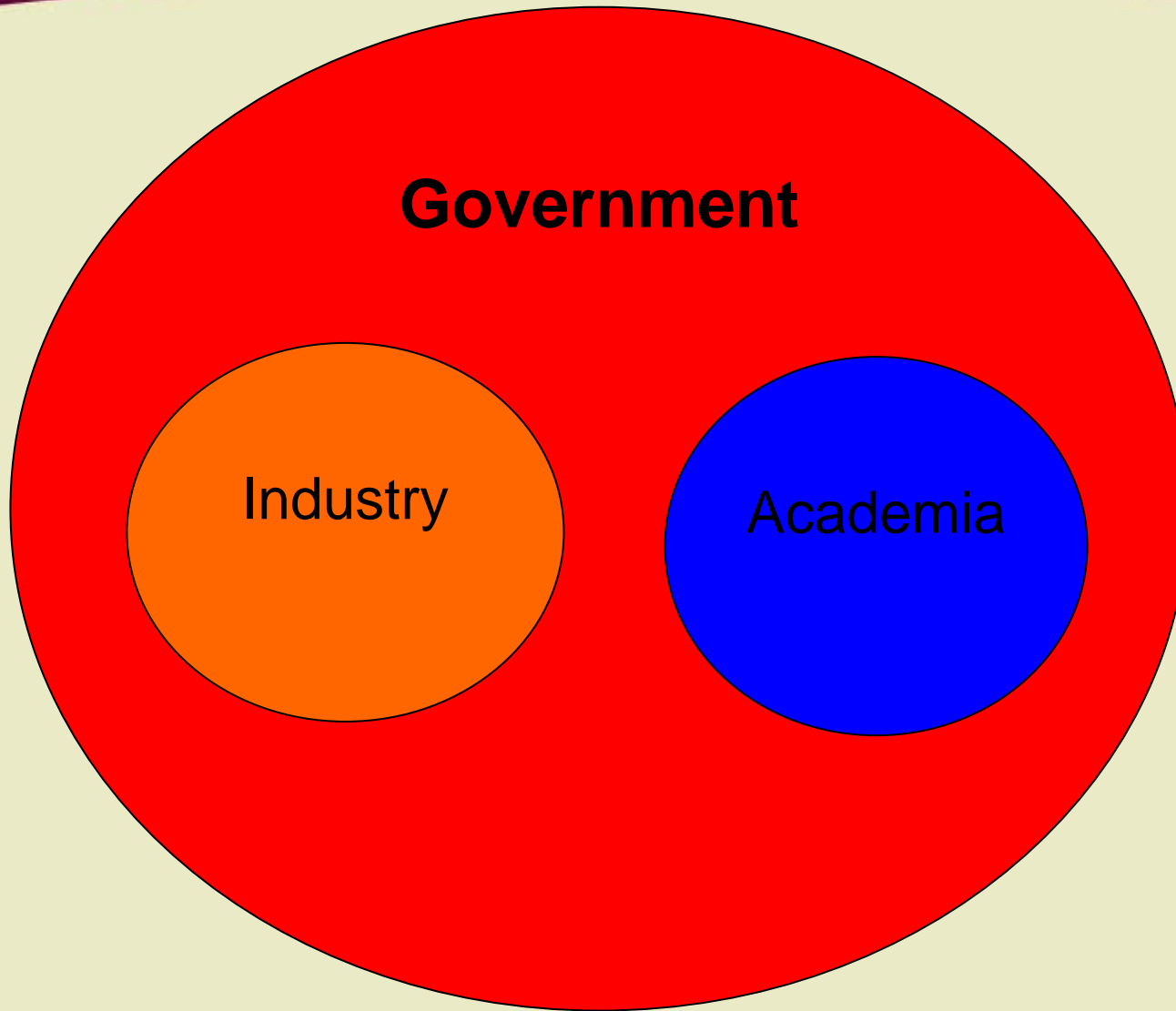


Triple Helix Thesis

- 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 Model

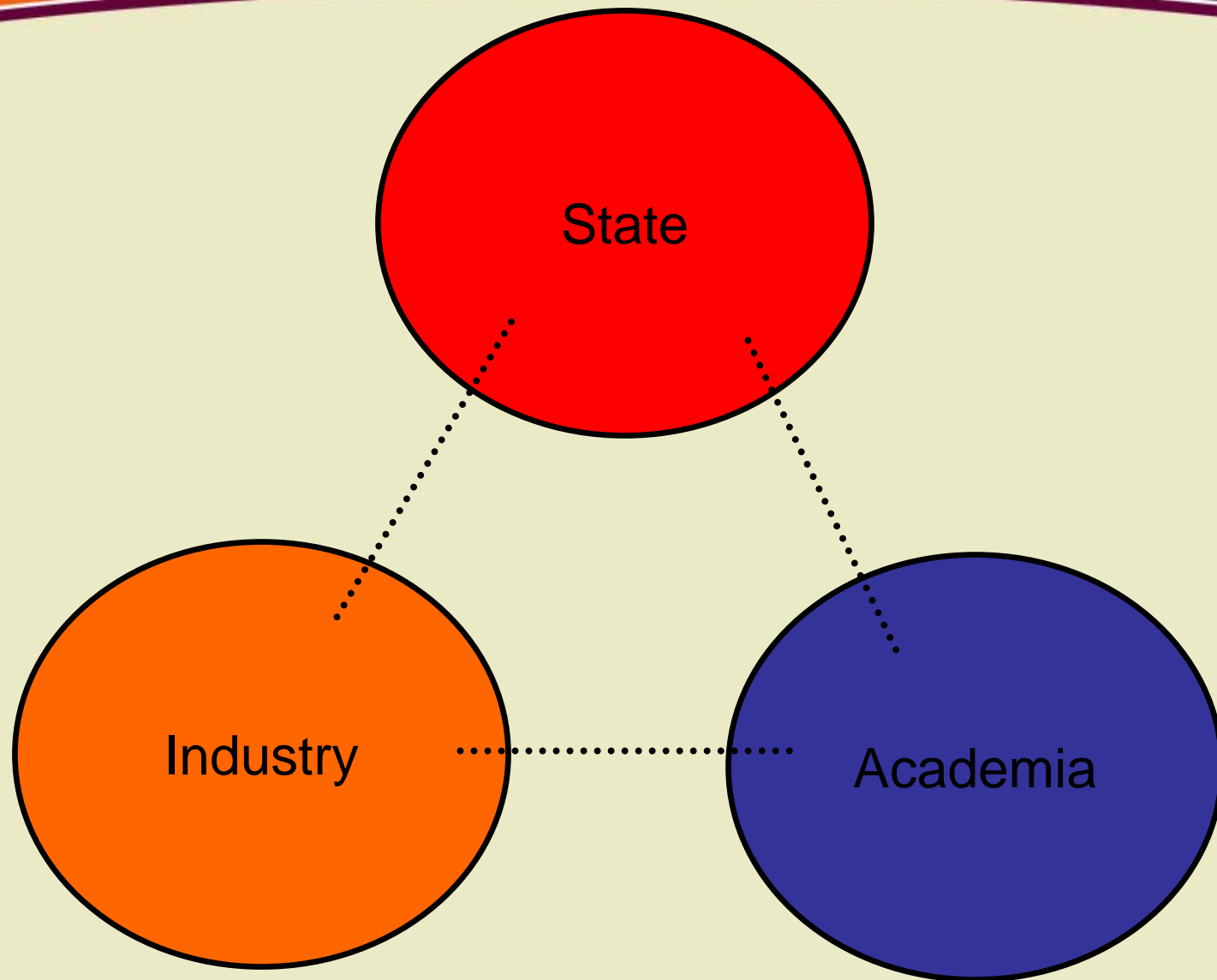


Statist Model: Inclusive Spheres

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



Laissez-Faire Model



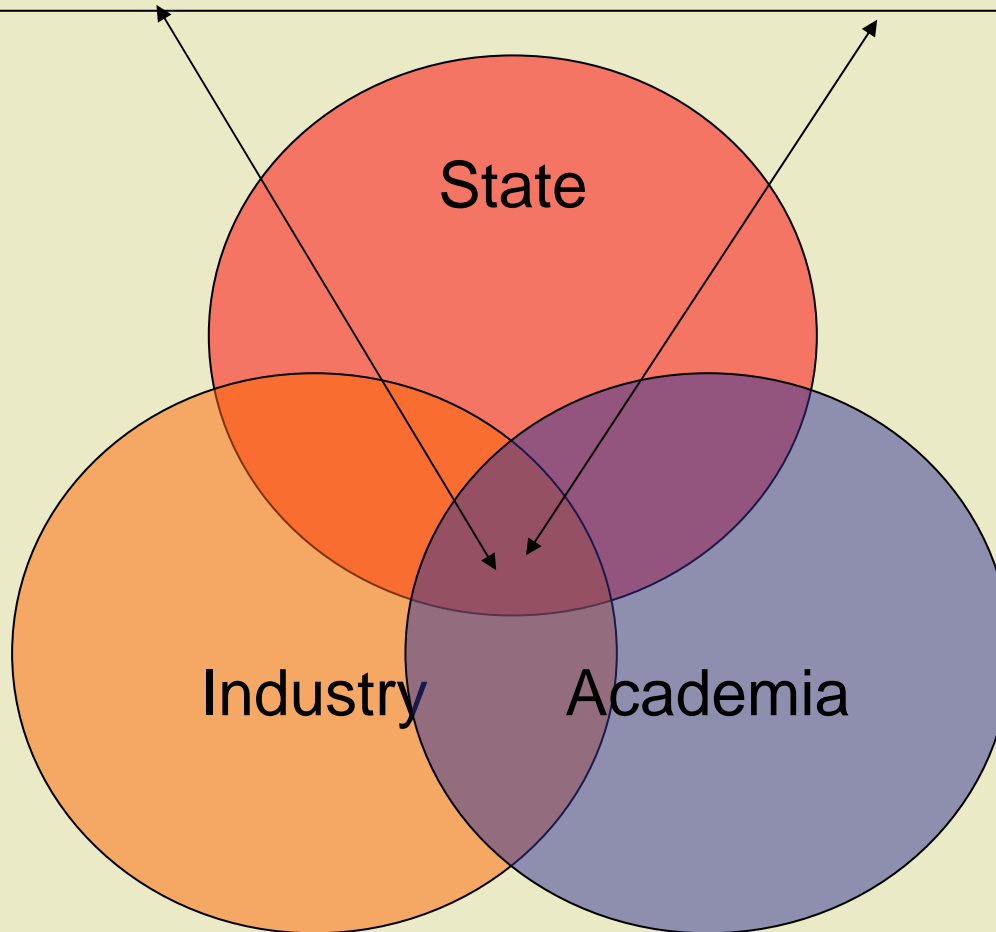
Laissez-Faire Model: Separate Spheres

- 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



Triple Helix Model

Innovation Stimulated at the Focal Point



Academic Revolutions

- First academic revolution
- Second academic revolution
- Teaching University->Research University->Entrepreneurial University
Embodies and Extends Ivory Tower and Humboldtian models



Origins of Triple Helix Model

US Second World War Triple Helix

Post-War Endless Frontier

1980's Bayh-Dole Regime-> Endless Transition

Linear Model->Assisted Linear Model->Non-Linear Model



Regional Innovation Organizer (RIO)

- Regional Authority: governmental or quasi-governmental
- takes the lead in creating a consensus space bringing together triple helix actors
- Cases:
 - New England Council
 - Joint Venture Silicon Valley



Knowledge Space

- Universities and Research Institutes
- Underutilized Potential
- Research Projects with economic and social relevance



Consensus Space

- Fora to Generate Ideas and Strategies
- Triple Helix Meeting Place
- e.g. New England Council; Niteroi Technopole; Amsterdam Knowledge Circle

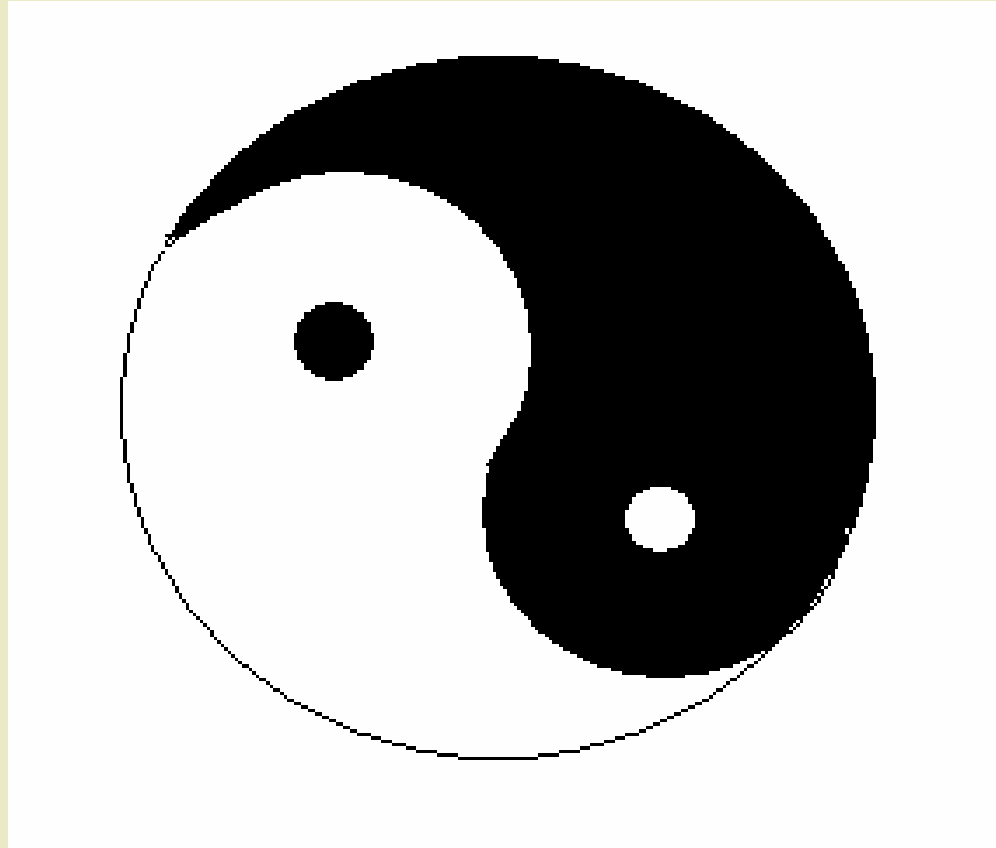


Innovation Space

- Regional Innovation Organizer (RIO)
- Organizational Experiments
- Invention of Venture Capital Firm

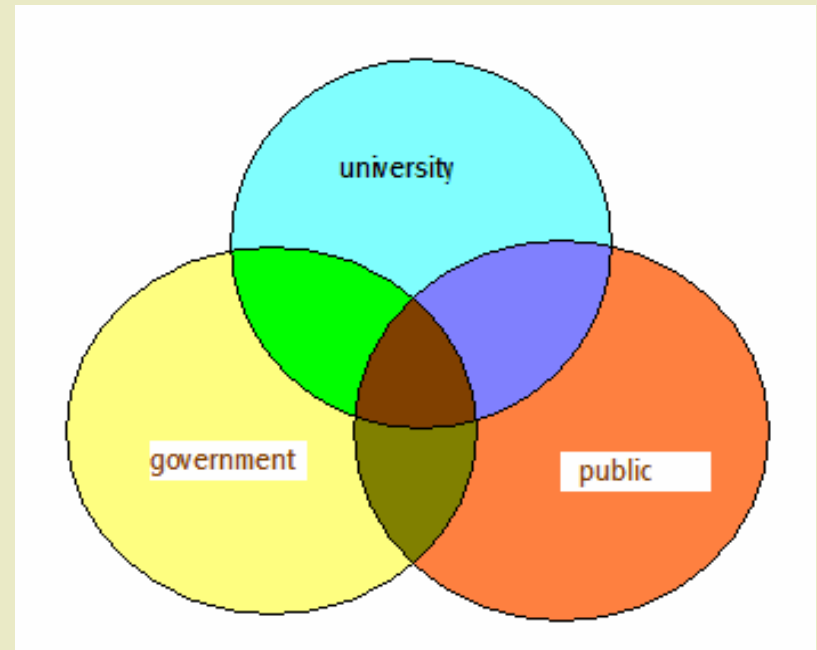
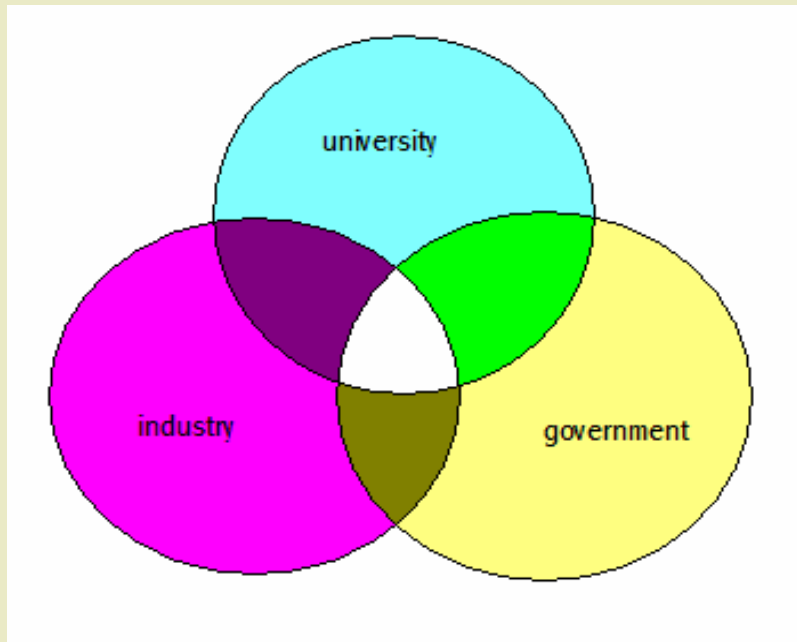


Yin-Yang Taiji in Ancient China



Triple Helix Twins:

Innovation and Sustainability



Triple Helix Since 1990

- **University-Industry Conferences**

1991 Acquafredda NATO Science Meeting

1992 CIT, UNAM Mexico

1994 SUNY Purchase, New York

- **International Triple Helix Conferences**

1996 Amsterdam Conceptual Framework

1998 New York Future Location of Research

2000 Rio de Janeiro Incubation

2002 Copenhagen European Policy Model

2005 Turin Knowledge Capitalization

2006 Addis Ababa Universities and Development

2006 Bristol Triple Helix and Development



6th International Triple Helix Conference

“Varieties of Entrepreneurial Universities”

Singapore: 18–19 May 2007

Researchers and practitioners interested in
University-Government-Industry interactions

www.triplehelix6.com



First Annual

Triple Helix Summit

February 12 – 13, 2007



University of Hawaii • East West Center • Hawaii Imin International Conference Center • Honolulu, Hawaii