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: Inclusive Spheres

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

State

Industry

Academia
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
• 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
“Varieties of Entrepreneurial Universities"

Singapore: 18–19 May 2007

Researchers and practitioners interested in University-Government-Industry interactions

www.triplehelix6.com
First Annual
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