

University Roles in Developing New Sectors of the Economy

Cape Town Tech Transfer Week

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NATIONAL TT POLICIES AND EFFECTS ON PLAYER BEHAVIOR

02. —

- Tax incentives for innovation
- [Risk Free] Funding for translational research and commercialization
- Inventor benefit policies
- Different motivations within the same organization



Risk vs. Reward (who gets what?)

ISSUES ALONG THE TT VALUE CHAIN

03. —

- Governance (vs. multiple stakeholder interests – often conflicting)
- Industrial absorptive capacity (from POC to market)
- Mid range TRL (4-8) missing (from lab to production)
- Difference in metrics for Academic Impact vs. Commercial Return vs. Economic Development – **Different Agenda**

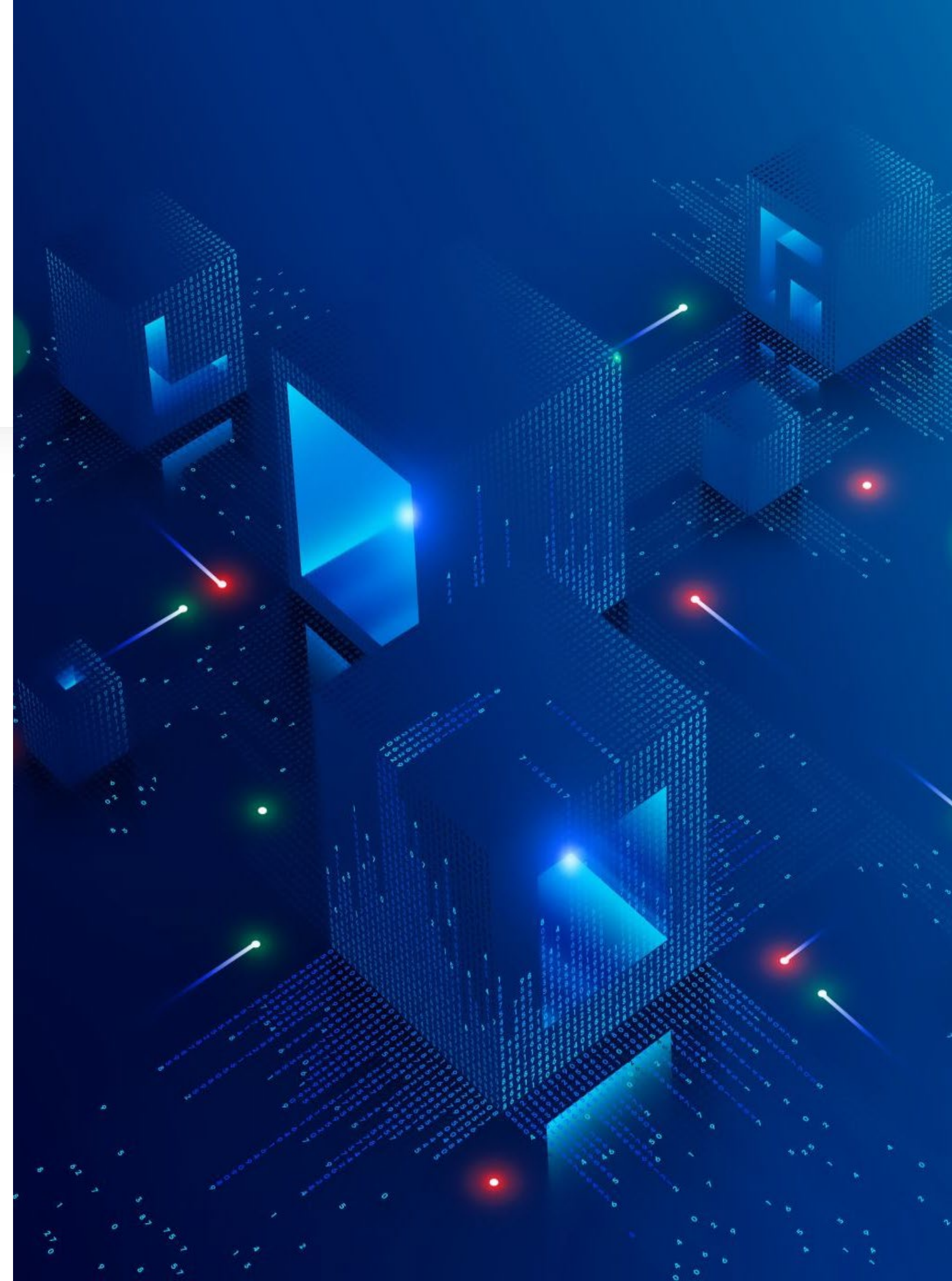


Risk vs. Reward (who gets what?)

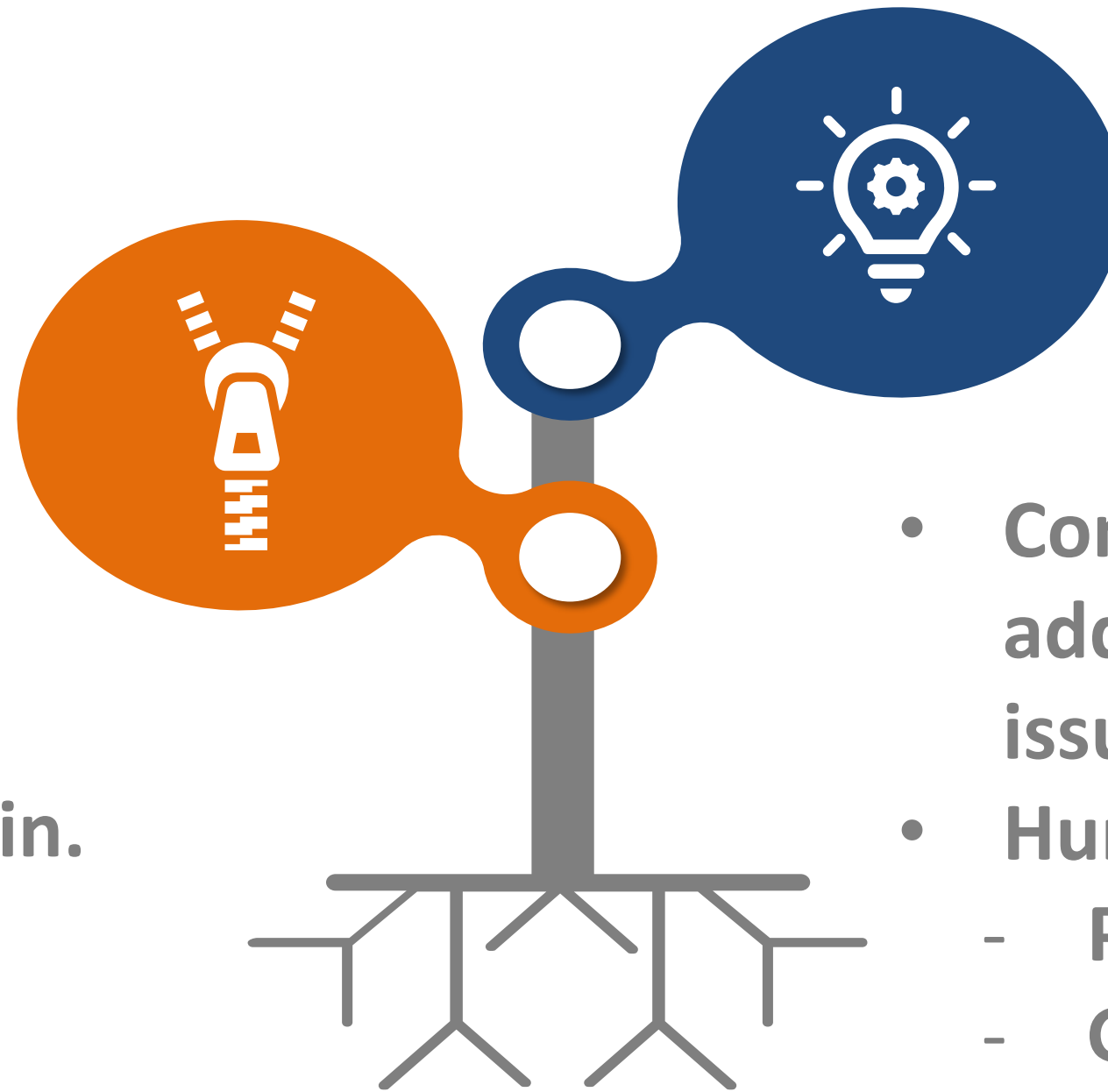
The Chinese Innovation Ecosystem

Strategic Development of National Importance

- Addressing technology bottlenecks
- Developing new industry verticals
 - New Materials
 - Semicon, Telcom, Computing
 - Biotech
 - AI, Digital Economy, Data security
 - Green energy, EV



Bridging the TRL Gap



Capacity Building and Process management

- Academic-Industry collaboration
- University Spin-offs
 - Inventor Benefits (min. 70%)
 - Start-up support schemes (competition, POC, seed funding, VC series)
- Continuous policy improvement to address IP ownership and Taxation issues
- Human resources development
 - Post graduate programs in TT
 - General education and Qualification assessment for tech transfer practitioners at all levels
 - Formal recognition of technology transfer managers as professionals (2022)

TT in China

