WIPO/IP/DAR/00/14 ORIGINAL: English DATE: June 2000



WORLD INTELLECTUAL PROPERTY ORGANIZATION

# REGIONAL SEMINAR ON THE BENEFITS OF THE INTELLECTUAL PROPERTY SYSTEM FOR UNIVERSITIES, UNIVERSITY RESEARCHERS AND RESEARCH AND DEVELOPMENT ORGANIZATIONS

organized by the World Intellectual Property Organization (WIPO)

in cooperation with the Ministry of Science, Technology and Higher Education of the United Republic of Tanzania

# Dar es Salaam, June 20 to 22, 2000

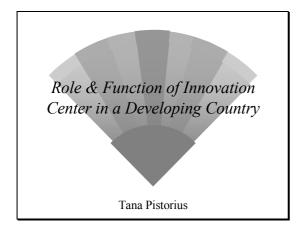
NEEDS FOR ESTABLISHING INNOVATION AND INVENTION SUPPORT STRUCTURES OR SERVICES IN UNIVERSITIES OF DEVELOPING COUNTRIES; ROLE AND FUNCTION OF AN INNOVATION CENTER IN A DEVELOPING ECONOMY

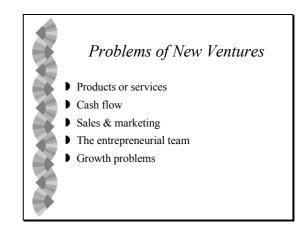
Document prepared by Professor Tana Pistorius, University of South Africa, Pretoria



GOVERNMENT OF TANZANIA

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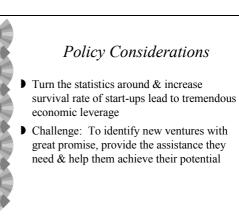




### **Business** failures

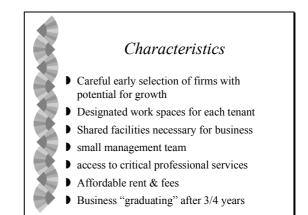
Real-world environment that lacks

- certainty, predictability, stability, smoothness.
- Risks & uncertainty, paradoxes, contradictions, multi-dimensional influences & market imperfections = the rule, rather than the exception



# UNDP Definition

- Business Incubator
- Controlled work environment: foster growth
- Characteristics Collegial climate for training, support & development of successful small entrepreneurs and profitable businesses



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# Different Incubation Approaches University Associated Incubators Non-profit Incubators (gov sponsored) For-profit Incubators: Venture Capital Incubators Corporate-affiliated Incubators

### • Other Categories:

• Targeted Population Incubators; Hub Incubators; The Virtual Incubator; Regional/Rural Incubators etc.

# *Effectiveness of Business Incubation*Use Content in the image and the

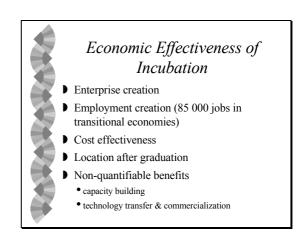
# 5 Forces on Successful Business Incubation

- Local entrepreneurial market
- Physical characteristics of incubator facility
  - Funding
- Degree of local co-operation supporting entrepreneurial development
- The incubator manager & management philosophy

# University-Sponsored Incubators Local near/on campus Formal relationships: part of University structure Informal relationships: independent entity Specific Technology Graduation policy flexible

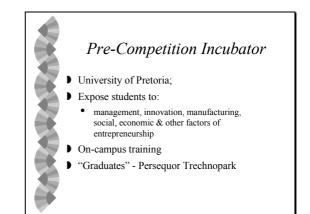
# Advantages to University

- Mechanism for commercialization of University research
- Helps University Patake in economic development
- Provides an opportunity in entrepreneurship & business development
- Opportunity for graduate students



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