

University Entrepreneurship and Innovation Ecosystem

27 January 2022

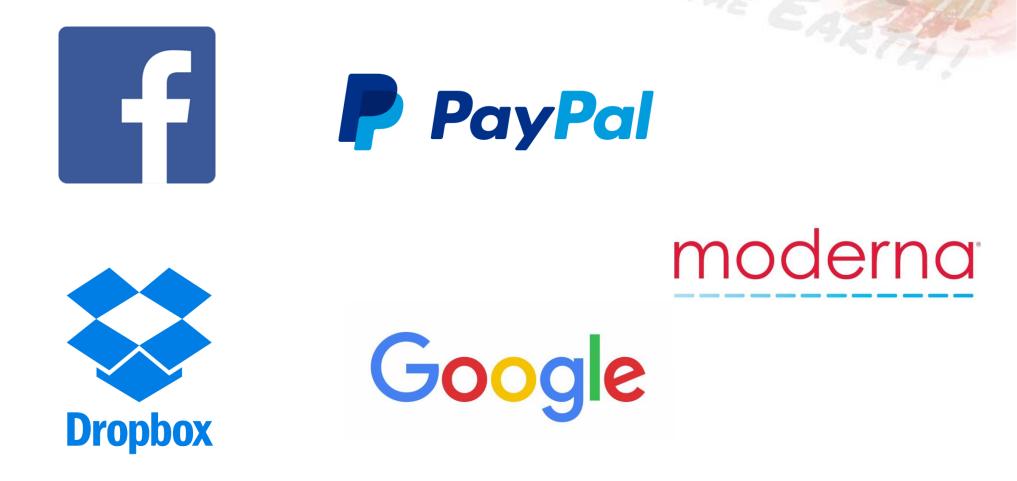
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CHITOSE GROUP

- What is university entrepreneurship and innovation ecosystem and why is it important?
- Case study of successful university entrepreneurship and innovation ecosystems
- Comparison of different university entrepreneurship and innovation ecosystems



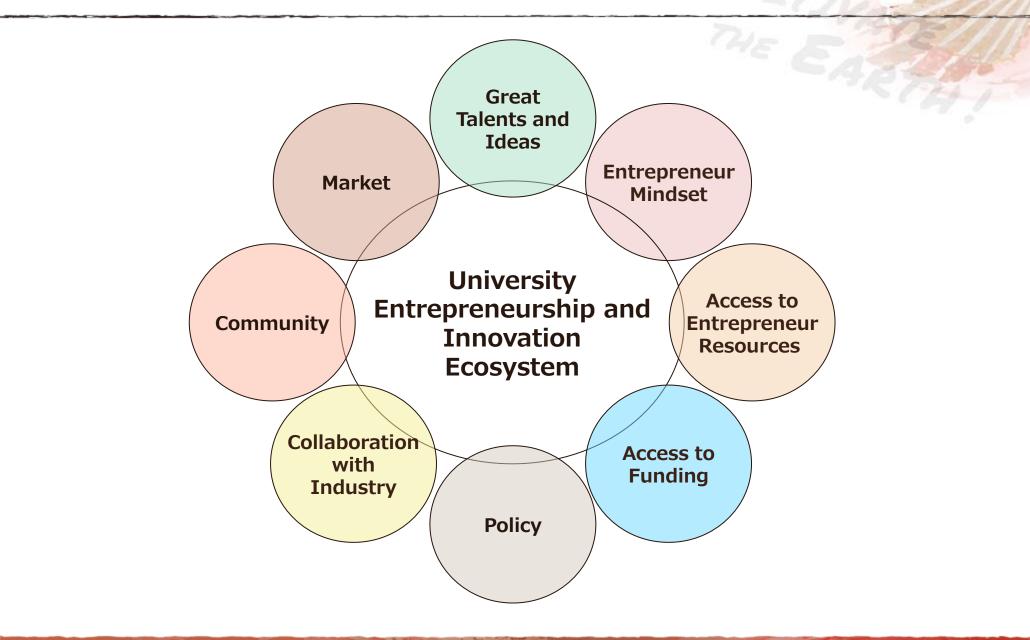
Successful Businesses that Started Out from Universities



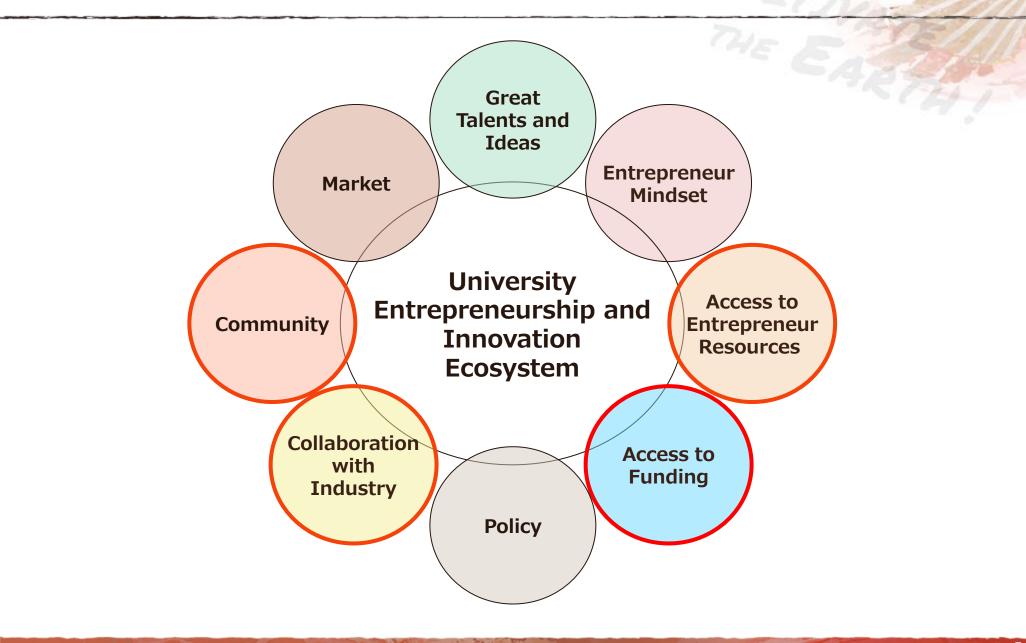


- Commercialization by supplying knowledge and talent to meet business needs
- Generation of additional funding
- Ideas/Inventions/Findings of scientific research are put into use outside of academia and making real world impact
- Researchers to feel a sense of personal fulfillment which leads to deeper meaning in their work
- Attract sponsors and investors
- Provide network of future employment opportunities for students including job creation

What It Takes for University to Build Ideal Ecosystem



What It Takes for University to Build Ideal Ecosystem



Successful University Entrepreneurship and Innovation Ecosystems





#1 World's Most Innovative University Ranking

Source: Reuters



UNIVERSITY OF CAPE TOWN

#1 University in Africa

Source: Times higher Education's World University Ranking



#5 Asia World's Most Innovative University Ranking

Entrepreneurship and Innovation Ecosystem 1 : Stanford University



Founded in 1885



3801 Staff



- 4210 companies
- 102 unicorns founded by alumni of Stanford University
- Raised over \$150.70 billion USD in funding from 6999 investors
- Revenues of \$2.7 trillion USD annually
- Created 5.4 million jobs since the 1930s



Stanford University

Access to Funding	Stanford Seed FundingAlumni funding
Access to Entrepreneur Resources	 Hackathons and competitions Office of Technology Licensing Launchpad Accelerator programme "Entrepreneurial Thought Leaders" seminars
Collaboration with Industry	 Industrial Affiliate Programme Stanford-Silicon Valley
Community	 Stanford Alumni Association Accessible university resources to promote collaboration StartX

Entrepreneurship and Innovation Ecosystem 2: University of Cape Town



Founded in 1829



1208 Staff



- More than 20 spin-offs in 10 years
- Licensing and intellectual property revenue of \$1.96 million USD in 10 years
- Value of equity held in 9 spin-off companies: more than \$7.03 million USD
- Btw 2012-2019, 5 founders of start up which managed to raise \$1 million USD in funding received post graduate education at UCT



University of Cape Town

Access to Funding	 University funding for different stages of start up development Equity in spin off companies
Access to Entrepreneur Resources	 Department of Science and Innovation's (DSI), National Intellectual Property Management Office (NIPMO) Incubator/accelerator UCT GBS Solution Space E-track cohort and Demo day
Collaboration with Industry	 Industry sponsored bursary programs Larger collaborative multi-year research programs Mentorship programme with industry
Community	 UCT surrounded by incubators and accelerators which promote collaboration UCT entrepreneur Society

Entrepreneurship and Innovation Ecosystem 3 : The University of Tokyo (UTokyo)



Founded in 1877



3801 Staff



- 323 companies
- Annually 500 inventions and conducts 1600 collaborative research projects
- Total market capitalization is around \$132 million USD
- First university in Japan to have a technology licensing office in 2018



The University of Tokyo

he University of Tokyo	Susan
Access to Funding	Own investments into start ups
Access to Entrepreneur Resources	 Entrepreneur program including business plan contest Division of University Corporate Relations Todai Technology Licensing Office (Todai TLO) 4 Incubation facilities e.g., University of Tokyo Entrepreneur Plaza
Collaboration with Industry	 Provides network opportunities and introduction to investors various companies Promotion of start ups to companies through close collaboration with support companies that provide fundings
Community	• 234 start ups clustering around Utokyo Hongo Campus

Key Points

Access to Funding

- Availability of funding during different stages of start up especially during the early stages
- Have means to sustain fundings for future start ups e.g alumni funding or equity in university spin off companies

Access to entrepreneur resources

- Integrate entrepreneurship education into university curriculum
- Presence of incubators and accelerators to allow access of network, mentorship, funding, physical workspace
- Legal, financial and administration support for commercialization of research or start up creations through a centralized office such as Technology Licensing Office
- Demo day and competitions which allow early start ups to gain exposure and polish their business pitch
- Seminars by industry experts allow them to impart their entrepreneurship experience and network connections

Collaboration with industry

- Give students the opportunity to experience and solve real world industry problems present in the local ecosystem
- Offer students more hands-on learning experiences to work directly with industry partners

Community

- Support university-wide activities to encourage the entrepreneurial spirit
- Online presence to facilitate collaboration

Thank you for your attention.