



1. Insights of commercialization of research through university start-ups

2. About this initiative

3. About us

4. How to apply for this initiative



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The roles of University researches



What is the roles of university research?

Providing higher education and human resource supply

Contribution to solve issues in society through research activities

Contribution to solve issues in society through business (university start-up)

How do universities do it?



Education & human resource supply

Contribution to solve issues in society through research activities

Research activities



Writing a paper

Acquiring a patent

Non-business activity



Publishing a paper, academic conference etc.

Contribution to solve issues in society through businesses

Proof of Concept



Business (University start-ups)



What this initiative will provide



Education & human resource supply

Contribution to solve issues in society through research activities

Research activities



Non-business activity



Publishing, academic conference etc.

Support to promote this flow

Proof of Concept



Business niversity start-ups)



How start-ups create their business?



Business model and technology used for a business are needed to be determined based on a specific issues in the society



You have to start the step for commercialization after determination of the above.

Researc' activities

Proof of Concept

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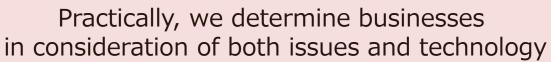
Steps to start a business

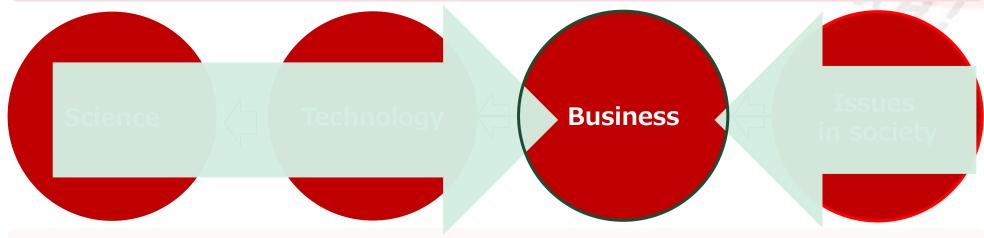






How start-ups create their business?





You have to start the step for commercialization after determination of the above.









Spiber Ltd.

A Japanese university born start-up

Producing chemical fiber alternative materials through bio-process of microorganism

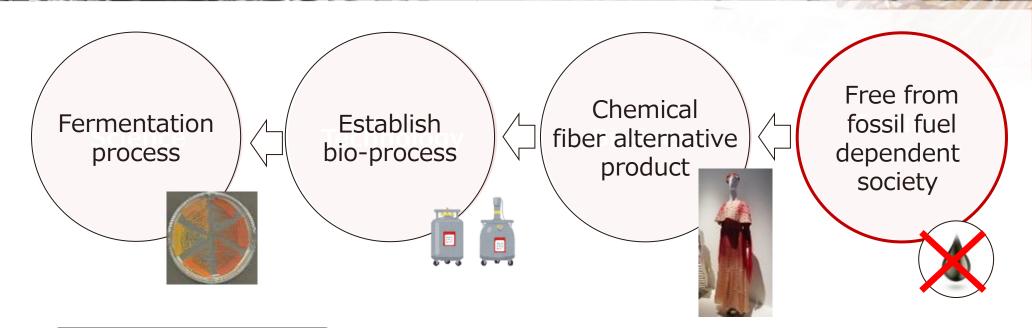


Launched a mass production factory in Thailand in 2021



Reference: Spiber





Research activities

Research in Keio University



Proof of Concept

Built prototype facility through grant from a national institute



Business (University start-up)

Built production facility through fundraise from a private enterprise



Details to be given in the lecture series in our initiative

Investment to Africa



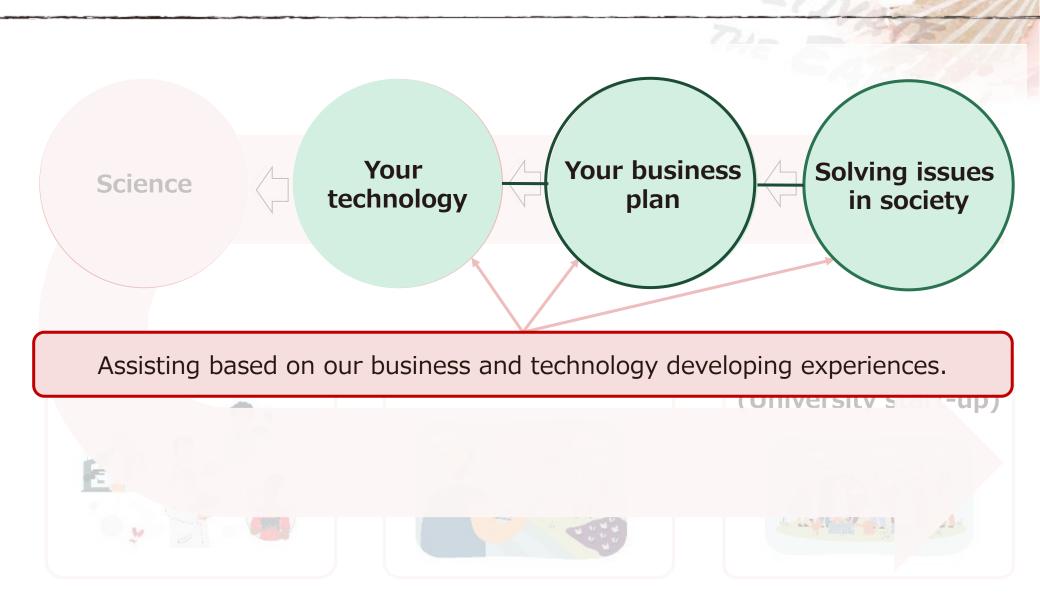


You need to be ready to follow this trend.

designed by (a) freepik.com

Our support through this initiative

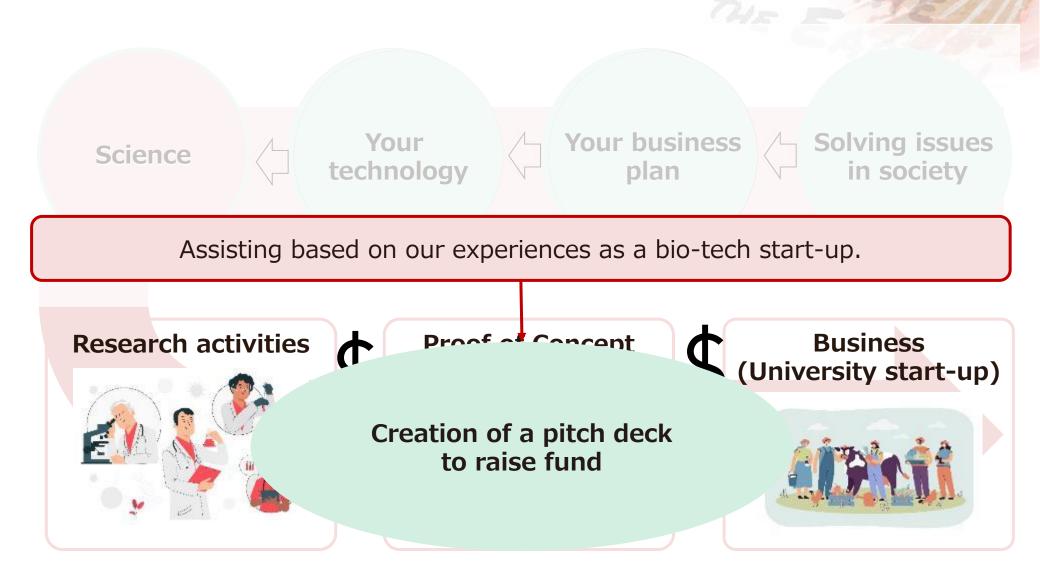




Details to be given in the lecture series in our initiative

Our support through this initiative





Details to be given in the lecture series in our initiative

What is a pitch deck?



A brief presentation

Present your business plan, products, services and growth traction etc.

Whenever you source financing, you use it.

You may use this not only for sourcing finance, but also for recruitment and building networks etc.

Target could be client, investor and judge of a contest.

Example: Airbnb



Welcome 1 Problem 2 Solution

AirBed&Breakfast

Book rooms with locals, rather than hotels.

This is a PowerPoint regardaction of an army AP feet print dock via Basiness Incident (9http://www.basinespinsidec.com/artheb.or/13-bit from following from Fort weer and belock 2011-9 **Price** is an important concern for customers booking travel online.

Hotels leave you disconnected from the city and its culture.

No easy way exists to book a room with a local or become a host.

A web platform where users can rent out their space to host travelers to;







Template by PSC9DeskOalds core

Template by PROSOCIONAR core

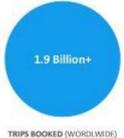
Market Validation

630,000

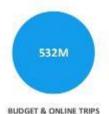
on temporary housing site couchsorling.com 17,000

temporary housing listings on SF & NYC Craigslist from 07/09 - 07/16

Market Size



Total Available Market



Serviceable Available Market

Product



Template by P905000000000 com

Template by PSC50kokOwath corn

10.6M

TRIPS W/AB&B

Market Share

Template by PICSDest County com

etc.



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Responsibility of CHITOSE-AAIC

1. Lecture series and workshop Anyone who is interested

Support A: ACE/RSIF

Lecture 1: Case studies

Lecture 2: Innovation eco-system

Lecture 3 al : Pitch deck Submission of components of a pitch deck* *1 submission from 1 ACE/RSIF

One-on-one

feedback

2. Hands-on Assistance Selected teams

Development of and brushing up a pitch deck

Conducting market research

Conducting meeting with potential clients

Assistance on the above activities

Advise on technology development

Support described here may be changed depends on number of participants, progress and etc.

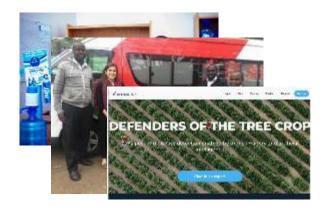
What will be presented in lecture series?



Case studies

Innovation eco-system

Pitch deck



Learn from local startups



Pathways for commercialization

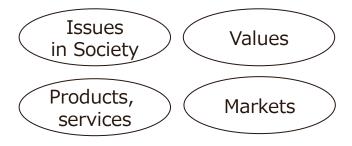


https://www.oi.kyoto-u.ac.jp/about/model/

Cases of universities in USA and Japan and Africa



Learn from famous start-ups



Key elements of pitch deck

Support B: Incubation centers



Support on incubation centers

Outreach incubation centers through ACE/RSIF which need further assistance

Need help from ACE/RSIF

Survey to identify necessary assistance

Deciding detailed assistance

Communicate with incubation centers directly

Technical assistance to incubation centers

Please provide us with contacts of the incubation center in your university/institute.



					THE RESIDENCE OF THE PARTY.	
Theme & Schedule	Kick-off event (9 th and 16 th Jun 2021)	Support A-1 Series of lecture and workshop (Jul-Aug 2021)	Support A-2 Hands-on assistance for commercialization (Sep 2021 – Mar 2022)	Support B Consultation for incubation centers (Sep 2021 – Apr 2022)	Knowledge sharing session (May 2022)	
Party associates	ACE/RSIF	ACE/RSIF	ACE/RSIF	Incubation centers	ACE/RSIF Incubation centers	
Participating party	Anyone interested (All at once)	Anyone interested (All at once)	2 selected teams (Individual)	Incubation centers (Individual)	Anyone interested (All at once)	
Responsibility of participating party	-	 Participate in all lectures, workshops and feedback Develop components for a pitch deck Participate in the post-lecture and workshop survey 	 Improve a pitch deck Conduct market research Conduct meetings with potential clients 	 Incubation centers respond to survey Participate in technical assistance sessions. 	 Present the results (selected teams/centers) 	

Estimated Timeline



			2021							2022				
			Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Kic	k-d	off	•											
Support A	1	a. Lecture series and workshop		•		•								
	1	b. Feedback session				•						•		
S .	2	Hands-on assistance (2 research teams)							•				•	
Support B		Support on incubation centers					•						•	
Knowledge sharing													•	

^{*}Estimated timeline could be changed depending on the situation.



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We are bio-technology oriented company who has strength in cultivation of organisms.





CULTIVATE THE EARTH!









Our businesses aiming at solving issues in society



Bio-production management system



Microalgae food production



Sustainable Agriculture with high value-added products



Sustainable plantation with water treatment system





Project team



Tomohiro Fujita Ph.D. (Bioscience) Supervisor

Founder/ CEO of Chitose Laboratory Corporation Member of Bioeconomy Strategy Council CABINET, SECRETARIAT Member of Japan Association of Bioindustries Executives Professor, Kyoto University Global Future Council on Japan.

Expertise: Biology, Bioeconomy, Lifescience, Biotech industry, bio-related business development



Kengo Fukui Project Manager

Expertise: Bio-related business development, Biotechnology, Food tech industry, Finance



Ryo Iko Deputy Project Manager

Expertise: bio-related Business development, project management



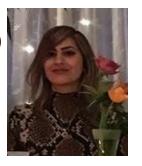
Nurezan Mohamed Ph.D. (Neuroscience) Associate

Expertise: Neuroscience, Molecular Science



Aiko Hayashi Ph.D. (Biological Science) Associate

Expertise: Toxicology, Microbiology



Zhaleh K. Nezhad Ph.D. (Medical Sciences-Clinical Cell Therapy) French Language Facilitator

Expertise: Medical Science, Pharmaceutical, Microbiology



Expert team



Ken Kasahara Ph.D. (Pharmacy)

Expert in Agriculture, Environmental Science, Microbiology



Takanori Hoshino Ph.D. (Agricultural & Biosystems Engineering)

Expert in Environmental engineering, Mass cultivation of microalgae



Hirotaka Chida Ph.D. (Bioresource Sciences)

Expert in Bioenergy, Mass cultivation of microalgae



Hideki Tohda Ph.D. (Biotechnology & Life Sciences)

Expert in Microbiology, Bioengineering, Biotechnology



Yugo Hirai Ph.D. (Life Science)

Expert in Life Science, Pharmaceutical

AAIC group Asia and Africa Investment and Consulting





Support for business growth through investment

- Investment advisory
- Fund establishment tailored to objective
- Fund management
 - Africa Healthcare Master Fund
- Acceleration and incumbation for startup ecosystem
 - JICA Uganda project
 - Rakuten Innovation Project

2 Strategic Consulting "Full-range support in emerging/new markets"

3 Management Outsourcing

Support for business growth by consulting

- Feasibility studies
- Strategic alignment support
- Business alliance/M&A advisory
- Strategic implementation support
- Business matching support
- Support for entering the Japanese market

Support for business growth by Human Resources

- Hands-on support for management
- Management outsourcing and dispatch
- Recruiting support in Asian region
- HRM support

Africa Healthcare Master Fund invests 25 operating companies in Africa in healthcare industry



Advanced Medical care



Medical Services



Dialysis Center



Maternity Hospital



Quick checkup

Healthcare Technologies







Customer Engagement

Teleradiology platform

Mental health online platform







Online appointment

EMR provider Health Insurance Platform



Online dental

platform





Online pharmacy

Microinsurance





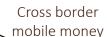


Logistics platform

Logistics platform

Super App







Pain Management Digital Device (DTx)



Healthcare related software developer

Medical Services





Emergency Services

OBGYN, AI Enabler





Blood delivery

Imaging diagnosis center

Health preservation & Public health/hygiene



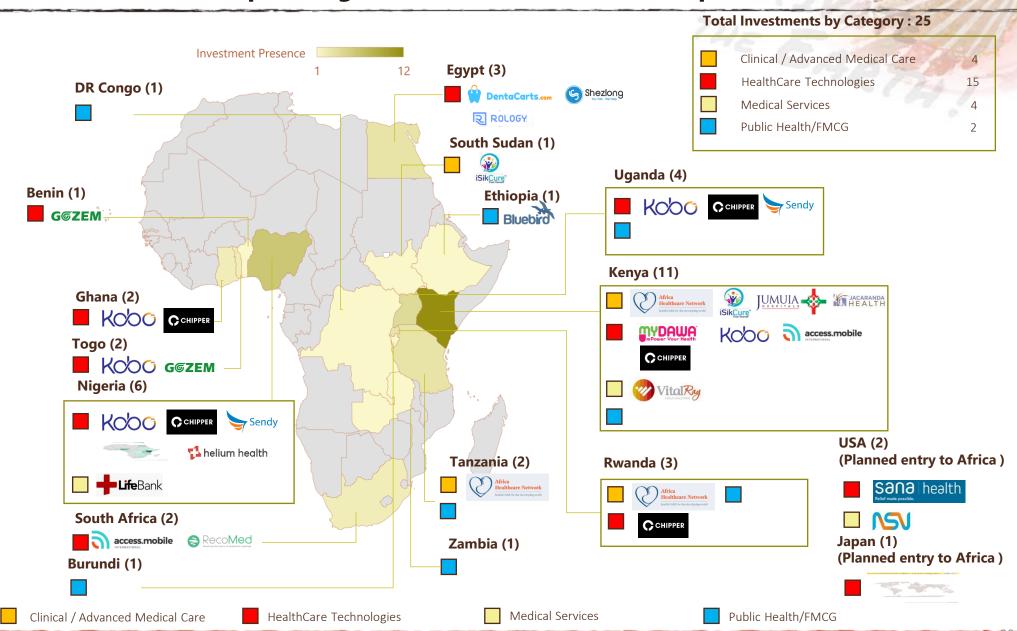
Community Water



FMCG



Operating Countries of Portfolio Companies



Our team



Japan/Singapore



Shigeru Handa - Asia Africa Investment & Consulting Director/ Partner

Handa worked in Japan Bank for International Cooperation (now JICA) and managed development projects through concessional loans and social fund. At BCG, he provided strategic management advice to trading company, pharmaceutical company etc. He was a Director of HR and Marketing in launching a new convenience store format (Natural Lawson), targeting health conscious customers. At UNDP, he led the private sector development portfolio to support the government of Iraq to foster economic growth and diversification as well as stimulate job creation. He holds Master Degrees in Public Administration and Accounting from University of Southern California and Bachelor of Law from Kyoto University.

Nairobi, Kenya



Hiroki Ishida – AAIC Partners Africa, Director

Hiroki has professional experience of both corporate banking and management consulting. Prior to AAIC, he worked for Mitsubishi UFJ Trust and Banking Corporation and Accenture Japan Ltd. Currently, he is in charge of sourcing, due diligence and monitoring process for the Africa Healthcare Fund.

He also supports Japanese companies to start up their business in Africa and is based in Nairobi since 2015. He holds a Bachelor Degree in Managerial Accounting from Kobe University (2003), and an M.B.A from The Chinese University of Hong Kong (2012). He was part of Africa Business Idea Cup Judge (2016)

Lagos, Nigeria



Nobuhiko Ichimiya - AAIC Partners Nigeria Director

Nobuhiko was CFO of an E-commerce start-up company in Rwanda invested by Japanese IT company prior to joining AAIC. He was engaged in power infrastructure industry especially about IPP/IWPP for 7years as a Senior Manager- Commercial and Finance in Marubeni Power Asset Management in Abu Dhabi, UAE. He worked on the accounting, tax, commercial challenges of 10 projects in Middle East (UAE, Qatar, Turkey, Oman, Saudi Arabia and Tunisia). He took the board sheet of 5 companies. He worked as Financial and accounting coordinator in the Power and Infrastructure division in Taiwan, UAE, India, South East Asia. He holds a Bachelor of Arts in Commerce from Waseda University.



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	Support A: Lecture series and hands-on assistance	Support B : Consultation to incubation centers				
Responsible applicant	ACE/RSIF Center Leader	Incubation center				
Involvement	Person in charge of research commercialization (Engaging the same person throughout of the initiative is preferable)	Responsible person of the incubation center (Engaging the same person throughout of the initiative is preferable)				
Other conditions	The research shall be aiming at: Commercialization Solving issues in society	The incubation centers which need further assistance.				
Dogwiya da ation	Decreased to surrice of	Provide contacts				

Required action

Respond to survey

 Provide contacts of incubation centers





Any questions?

Please send via chat box below!

Contact:

<u>aiko.hayashi@chitose-bio.com</u> <u>zhaleh.nezhad@chitose-bio.com</u>

