

Hokuriku Economic Federation

The 12th Hokuriku Industry-Academia Collaboration Forum and Site Visit

Tech Startup HOKURIKU (TeSH) Initiatives

September 8, 2025

UCHIDA Fumihiko

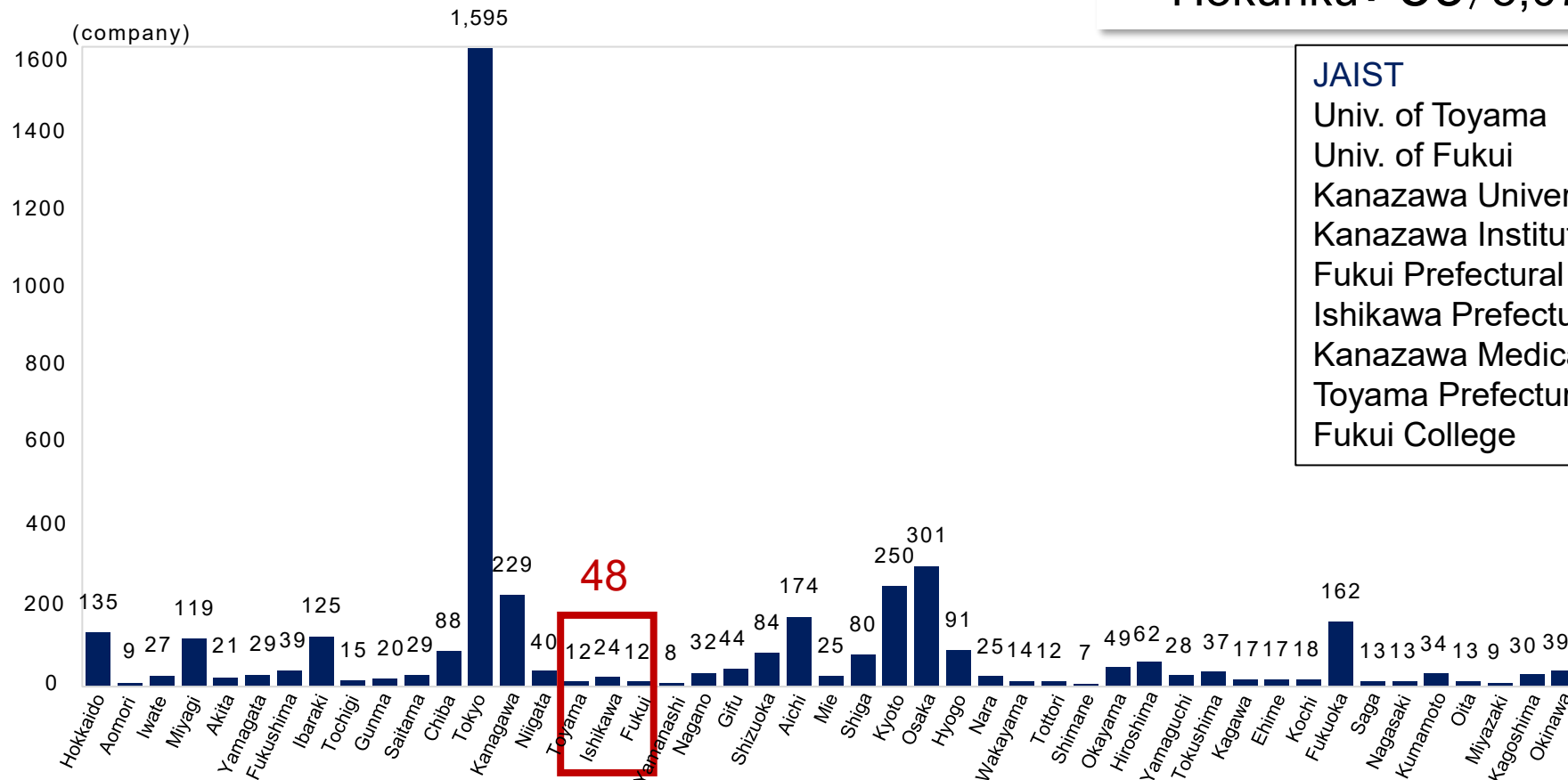
Program Head of Directors, Tech Startup HOKURIKU/
Director, Startup Promotion Office, JAIST

Challenges Facing Startups from Hokuriku Academia

Number of University Ventures by Prefecture (as of October 2024)

A region with growth potential in Japan

Number of University Ventures by Prefecture
(Based on Headquarters Location)



Hokuriku: 59/5,074 companies

JAIST	15
Univ. of Toyama	11
Univ. of Fukui	10
Kanazawa University	7
Kanazawa Institute of Tech	6
Fukui Prefectural Univ.	3
Ishikawa Prefectural Univ.	2
Kanazawa Medical Univ.	2
Toyama Prefectural Univ.	1
Fukui College	1

TeSH Opportunity Comes to Hokuriku Academia

Government “Startup Development Five-year Plan” Nov. 2022

~Increase investment in startups 10 times by FY2027
100 unicorns and 100,000 startups~

New Industry Creation Fund for University Startups (2023-2027) **Supplementary budget (98.8 billion yen)**

① Deep Tech Startup International Development Program
(D-Global) ¥300M × 3 years / 10 projects per year (nationwide)

② Startup Ecosystem Co-creation program
(Aug. 29, 2023, Open call)

Base-city Platform Co-creation Support

Regional Platform Co-Creation Support

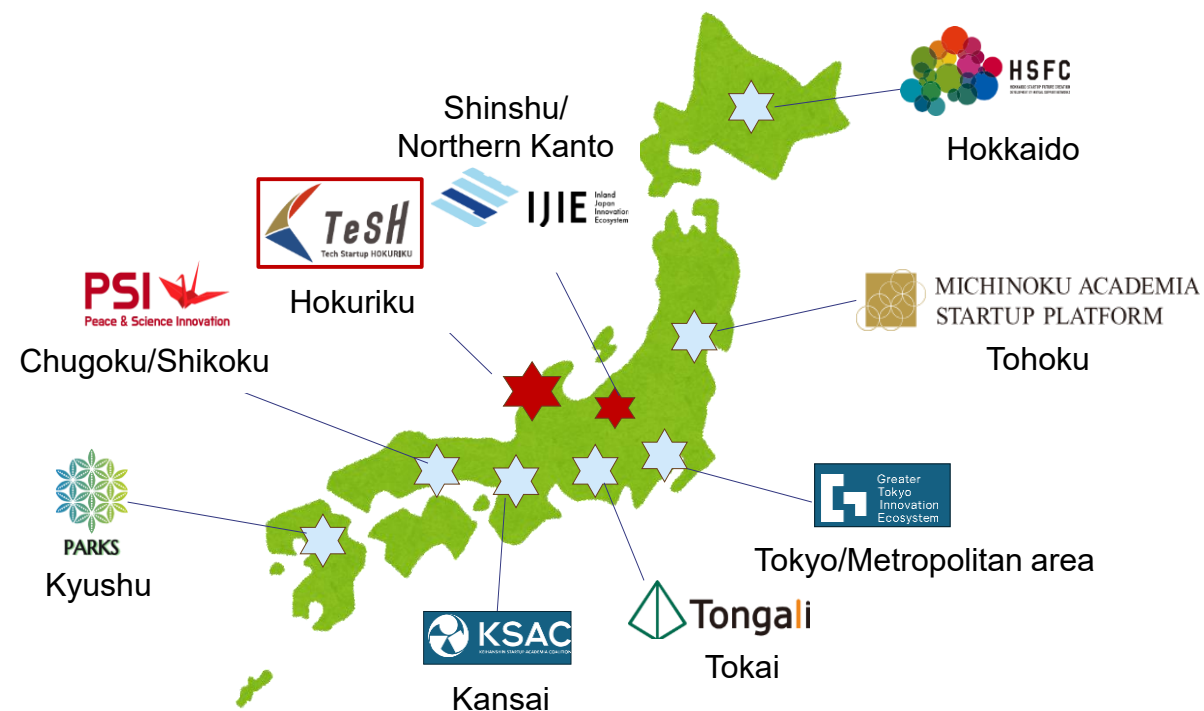
Universities and technical colleges in the Hokuriku unite to propose

 **Tech Startup HOKURIKU(TeSH)**

**Selection
Reasons**

- Collaboration in Hokuriku
- Application addresses startup creation challenges

- ★ Base-city Platform Co-creation Support
- ★ Regional Platform Co-Creation Support



**9 Platforms adopted by the Startup Ecosystem
Co-Creation Program (From Feb. 1, 2023)**

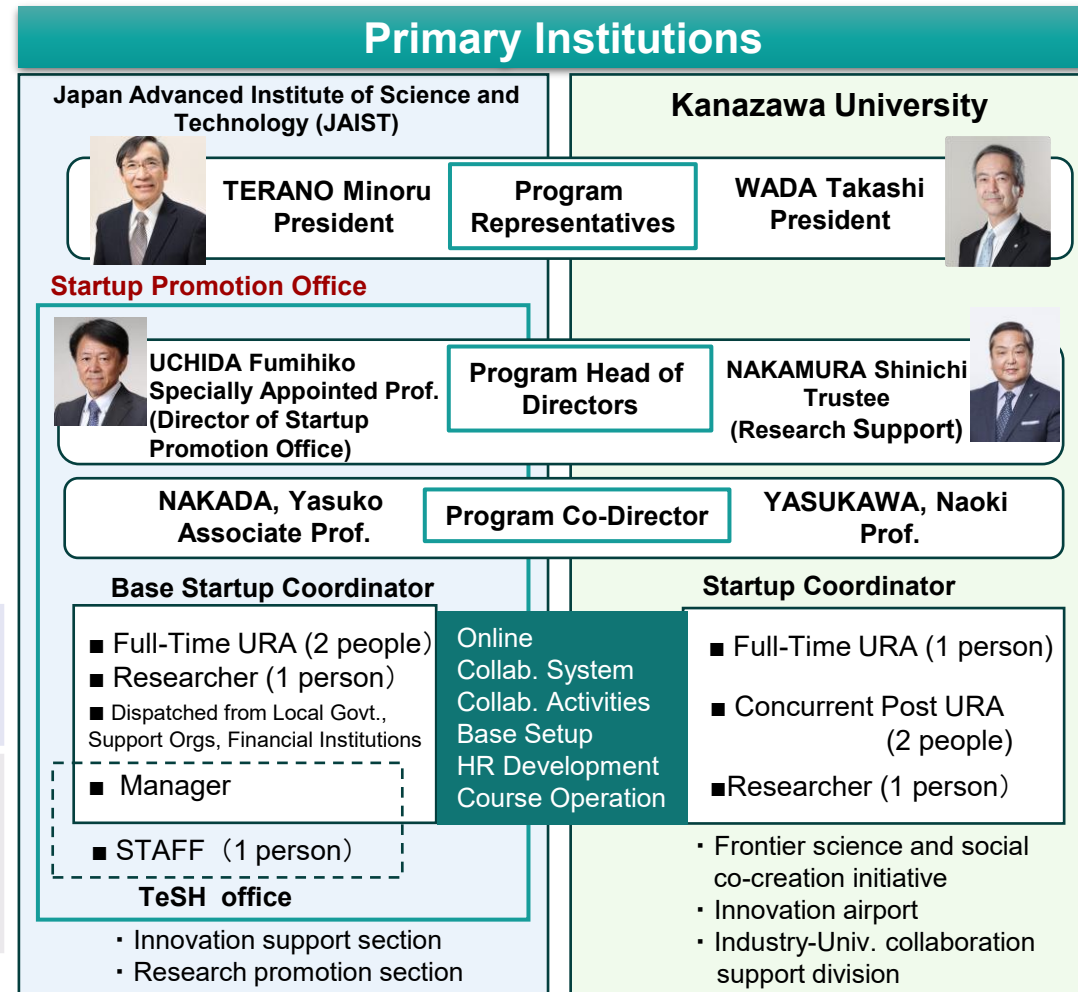
TeSH (Tech Startup HOKURIKU) — Launched in February 2024



**KPI in 10 years
(FY2033)**

- ① **2 companies exit:
IPO, M&A, etc.**
- ② **Total 100 companies,
Create 20 university
Startups per year**

New Industry Creation Fund for University Startups Startup Ecosystem Co-creation program (2023-2027)



Joint Institutions for Creating Startups

Univ. of Toyama
Toyama Prefectural Univ.
Toyama College
Ishikawa Prefectural Univ.
Komatsu Univ.
Kanazawa College of Art
Kanazawa Institute of Tech
Kanazawa Medical Univ.
Hokuriku Univ.
Ishikawa College
Univ. of Fukui
Fukui Prefectural Univ.
Fukui Univ. of Tech
Fukui College

13 Universities & 3 Technical Colleges

**4 National Universities
5 Public Universities
4 Private Universities
3 Technical Colleges**

Team TeSH: 13 Universities & 3 Tech colleges

Primary Institutions

**13 Universities
& 3 Tech colleges**

**4 National Univ.
5 Public Univ.
4 Private Univ.
3 Tech colleges**

3Univ. 1Tech college

2Univ. 1Tech college

8Univ. 1Tech college



JAIST



Kanazawa Univ.



Kanazawa Medical Univ.



Kanazawa Institute of Tech.



Komatsu Univ.



Univ. of Toyama



Toyama College



Toyama Prefectural Univ.



Univ. of Fukui



Fukui Prefectural Univ.



Fukui Univ. of Tech.



Fukui College



Ishikawa College



Hokuriku Univ.



Ishikawa Prefectural Univ.



**KANAZAWA COLLEGE OF
ART (From Dec. 2024)**

TeSH Started with 46 Organizations (as of February 1, 2024)

2 Primary Institutions	2 Universities	JAIST, Kanazawa University
13 Joint Institutions for Creating Startups	10 Universities, 3 Technical Colleges	Univ. of Toyama, Univ. of Fukui, Toyama Prefectural Univ., Komatsu Univ., Ishikawa Prefectural Univ., Fukui Prefectural Univ., Kanazawa Institute of Tech, Kanazawa Medical Univ., Hokuriku Univ., Fukui Univ. of Tech, Toyama College, Ishikawa College, Fukui College
22 Cooperative Organizations	Prefecture, Municipality, etc. 6 Organizations	Toyama Prefectural Govt., Ishikawa Prefectural Govt., Fukui Prefectural Govt., Toyama New Industry Organization, ISICO, Fukui Industrial Support Center
	5 Economic Organizations	Hokuriku Economic Federation, SME SUPPORT JAPAN, Chubu Bureau of Economy, Trade and Industry, Chubu Bureau of Economy, Trade and Industry-Electricity and Gas Business Hokuriku Branch, Hokuriku Industrial Advancement Center
	Finance, 6 Organizations	HOKURIKU BANK, BANK of Toyama, First Bank of Toyama, DBJ Hokuriku Branch, Fukui Bank, Sumitomo Mitsui Trust Bank
	1 Private Companies	NIHONKAI Lab.
	Others, 4 Organizations	JETRO Kanazawa, JETRO Toyama, JETRO Fukui, Mitsubishi Research Institute
9 Commercialization Promotion Organizations	1 VC, Kanazawa University	Vision Incubate
	4 VCs, CVCs, in Hokuriku	Hokuhoku Financial Group, Fukui C&C, QR INVESTMENT, Carbon Ventures
	3 VCs, outside of Hokuriku	KSP, U TOKYO IPC, INCUBATE FUND
	1 Private Accelerators	RICH

Team TeSH: 112 Organizations (as of September 18, 2025)

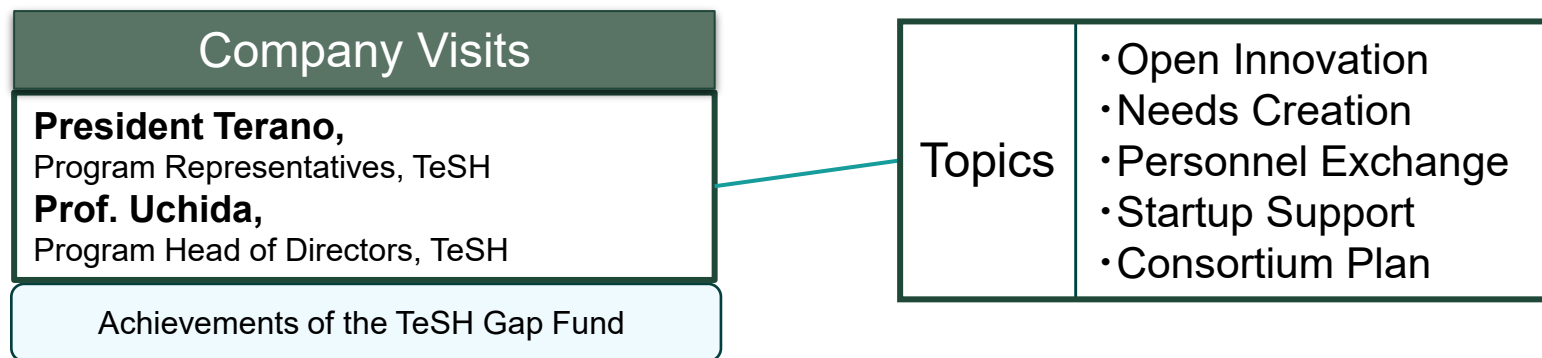
2 Primary Institutions	2 Universities	JAIST, Kanazawa University
14 Joint Institutions for Creating Startups	11 Universities, 3 Technical Colleges	Univ. of Toyama, Univ. of Fukui, Toyama Prefectural Univ., Komatsu Univ., Ishikawa Prefectural Univ., Kanazawa College of Art, Fukui Prefectural Univ., Kanazawa Institute of Tech, Kanazawa Medical Univ., Hokuriku Univ., Fukui Univ. of Tech, Toyama College, Ishikawa College, Fukui College
60 Cooperative Organizations	Prefecture, Municipality, etc. 8 Organizations	Toyama Prefectural Govt., Ishikawa Prefectural Govt., Fukui Prefectural Govt., Toyama New Industry Organization, ISICO, Fukui Industrial Support Center, Kaga City, Sabae City
	5 Economic Organizations	Hokuriku Economic Federation, SME SUPPORT JAPAN, Chubu Bureau of Economy, Trade and Industry, Chubu Bureau of Economy, Trade and Industry-Electricity and Gas Business Hokuriku Branch, Hokuriku Industrial Advancement Center
	Finance, 9 Organizations	HOKURIKU BANK, BANK of Toyama, First Bank of Toyama, DBJ Hokuriku Branch, Fukui Bank, Sumitomo Mitsui Trust Bank, Sumitomo Mitsui Banking Corporation, SMBC Venture Capital, JAPAN POST BANK
	33 Private Companies	KDDI, Asian Bridge, HOKURYO DENKO, BEING HOLDINGS, I-O DATA, ACTREE, HOKUDEN Business Investment, MEDIPAL HOLDINGS, KIYOKAWA Plating Industry, TATEYAMA KAGAKU, NICCA CHEMICAL, Sugino Machine, KEC, SHIBUYA CORPORATION, Relic, NAKATEC, INTEC, TAKAMAZ Machinery, NTT DATA HOKURIKU, Komatsu NTC, Kitamura Machinery, SEIREN, Komatsu Industries, The Imamura Securities, Takagi Seiko, Fukui Byora, SHINDO, FUKUI MEGANE INDUSTRY, Sabae Murata Manufacturing, PFU, KAGA ELECTRONICS, FUKUVI CHEMICAL INDUSTRY, Sankyo Tateyama, Inc.
	Others, 5 Organizations	JETRO Kanazawa, JETRO Toyama, JETRO Fukui, Mitsubishi Research Institute, NICT, K-NIC
36 Commercialization Promotion Organizations	1 VC, Kanazawa University	Vision Incubate
	6 VCs, CVCs, in Hokuriku	Hokuhoku Financial Group, Fukui C&C, QR INVESTMENT, Carbon Ventures, HED, NIHONKAI Lab.
	27 VCs, Outside of Hokuriku	KSP, U TOKYO IPC, INCUBATE FUND, Beyond Next Ventures, JAFECO, ANRI, SAMURAI INCUBATE, Fast Track Initiative, QB Capital, Bio-Sight Capital, DEFTA Capital, MIRAISOZO INVESTMENT, Mitsubishi UFJ Capital, HACK VENTURES, AN Ventures, UntroD Capital Japan, SBI Investment, Quantum Leaps Ventures, PARTNERS FUND, Genesia Ventures, Regional, Talent and Future, D4V, Keio Innovation Initiative, DCI Partners, Taiho Innovations, KOBE UNIVERSITY CAPITAL, Saisei Ventures
	2 Private Accelerators	RICH, Sojitz Institute of Innovative Technologies

Stage1 Expansion of Collaborative Organizations of Core Companies in Hokuriku (- August 2025)

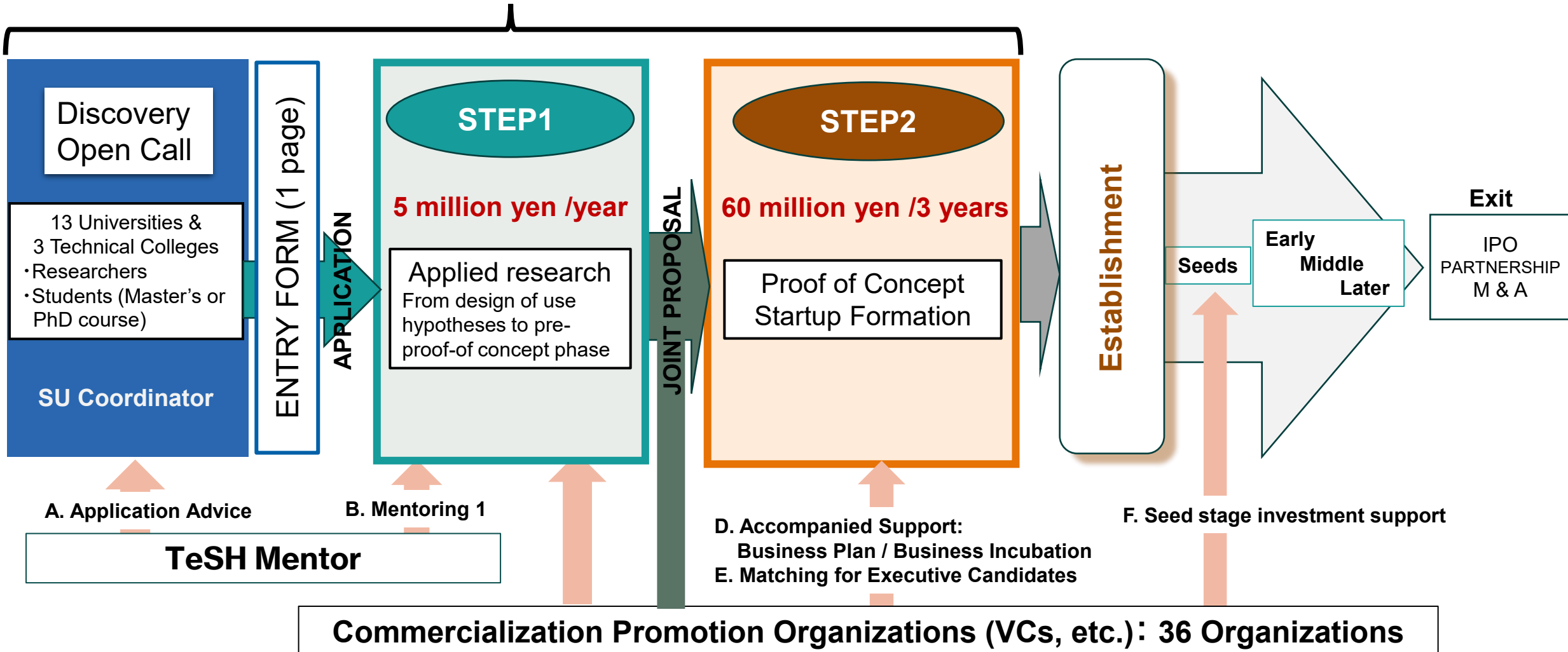
Introduced by: Hokuriku Economic Federation, Univ. of Fukui, Fukui Prefectural Univ., Fukui Univ. of Tech, Fukui College

29 TeSH Cooperative Organizations	Toyama : 9	NIHONKAI Lab., Hokuriku Electric Power Business Investment, TATEYAMA KAGAKU, Sugino Machine, INTEC, Komatsu NTC, Takagi Seiko, Kitamura Machinery, KEC
	Ishikawa : 11	HOKURYO DENKO, I-O DATA DEVICE, SHIBUYA CORPORATION, NTT DATA HOKURIKU, TAKAMAZ Machinery, PFU, Asian Bridge, BEING HOLDINGS, Actree, Komatsu Industries, KAGA ELECTRONICS
	Fukui : 9	KIYOKAWA Plating Industry, NICCA CHEMICAL, NAKATEC, SEIREN, FUKUVI CHEMICAL INDUSTRY, <u>Fukui Byora</u> , Sabae Murata Manufacturing, FUKUI MEGANE INDUSTRY, SHINDO

Stage2 Implementation of Collaboration with Core Companies in Hokuriku (September 2025 -)



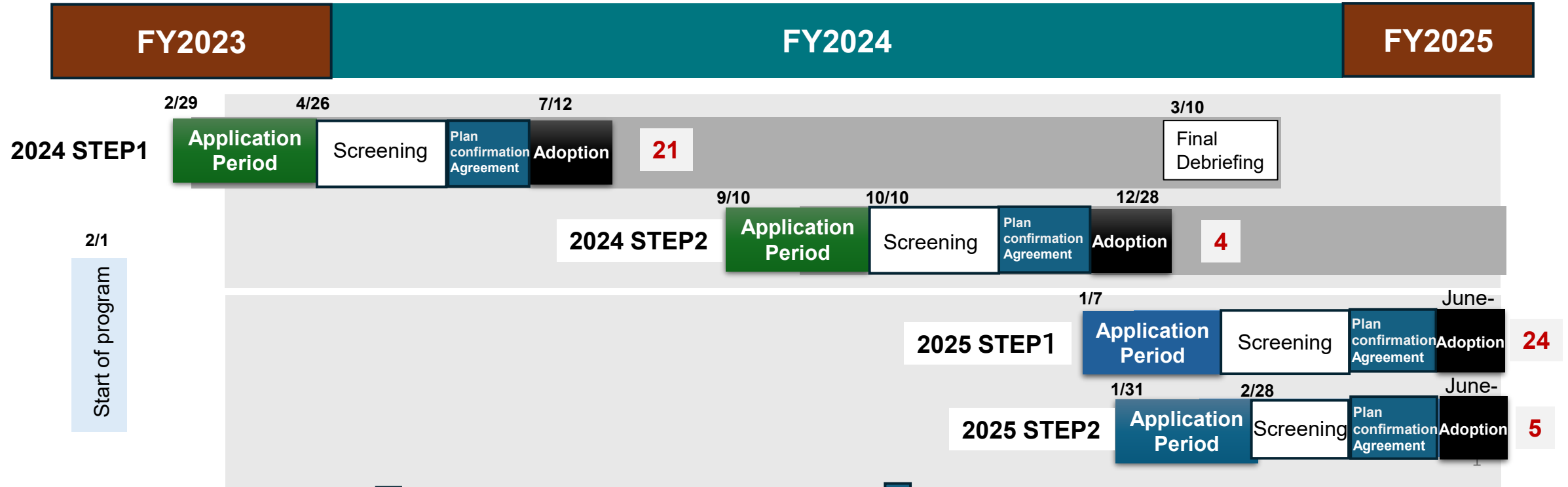
Startup Ecosystem Co-creation program



TeSH GAP Fund Program

	STEP1		STEP2	
	KAGAYAKI (Researchers)	KAGAYAKI Young (Students*: Master's or PhD course)	KAGAYAKI Plus (Researchers)	KAGAYAKI Plus Young (Students*: Master's or PhD course)
Subsidy amount	Up to 5 million yen and indirect expenses: 30% of direct expenses*		Up to 60 million yen and indirect expenses: 30% of direct expenses* The maximum support for students is 5 million yen*	
Objective	Advance the results of basic research to a stage where the business potential can be evaluated.		Support the process from proof of concept to the formation of startups	
Period	One year (from adoption to the end of the fiscal year)		Up to 3 years (with annual review for continuation)	
Field	Life science, Technology, Environment, Regional, Others			
Adoption	About 24 projects per year		About 5 projects per year	
Eligibility	Principal investigators are researchers or students (Master's or PhD course) affiliated with 13 Universities & 3Technical Colleges on TeSH platform.		Additional condition: Joint proposal with commercialization promotion organization (VC, etc.)	

Progress of TeSH GAP Fund



Kick-off Symposium (May 8)

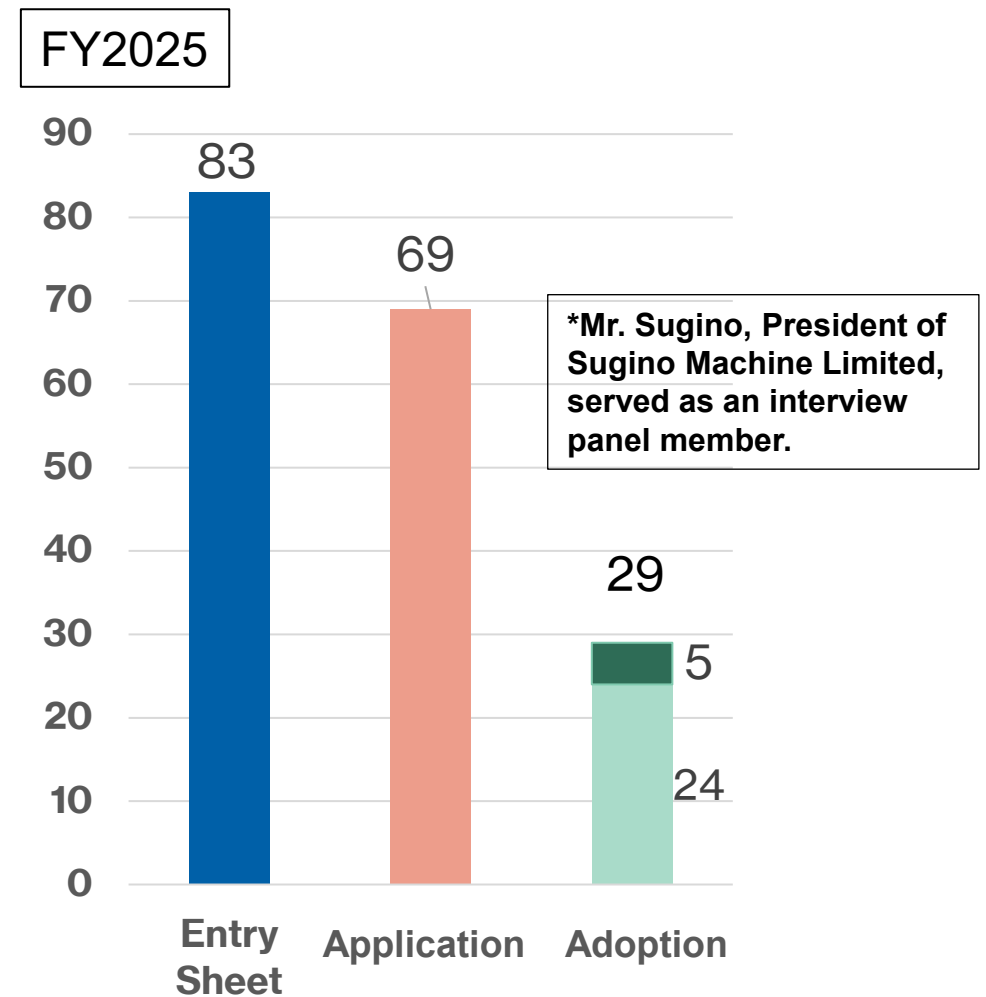
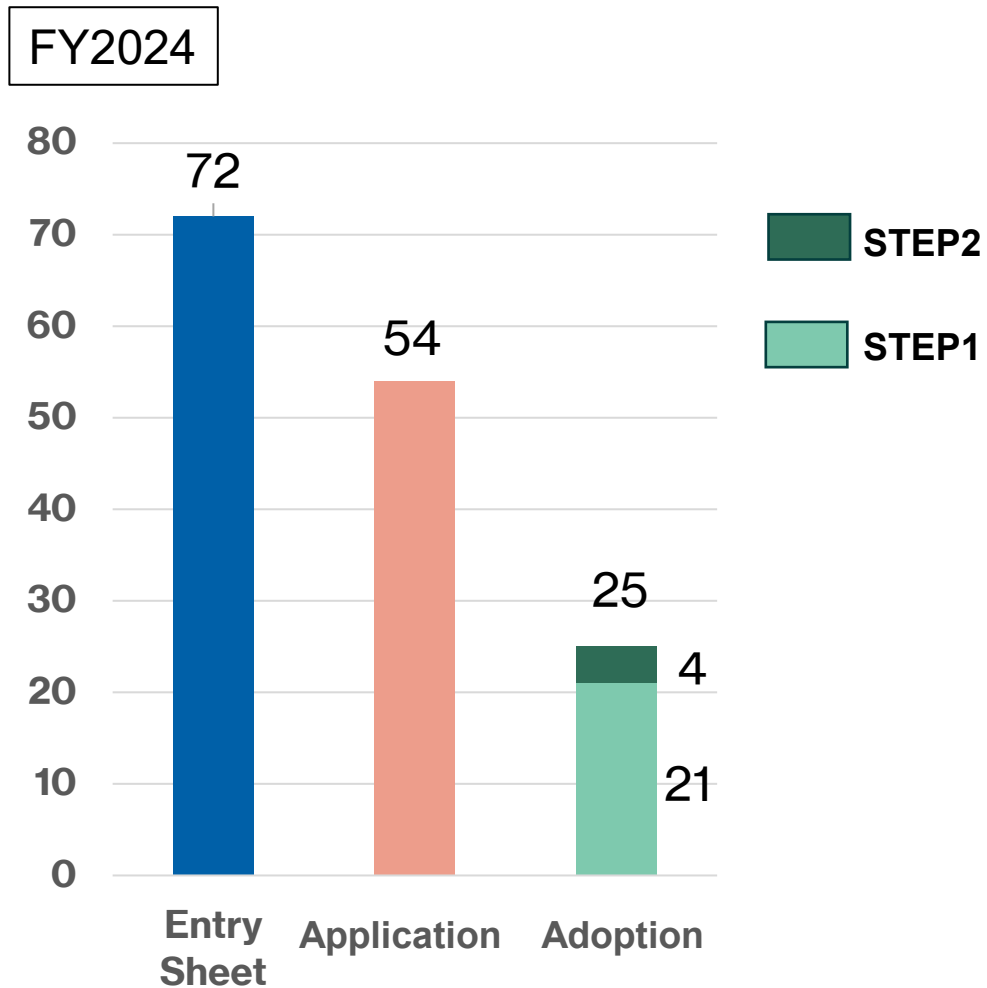


DEMO DAY(November 13)



Achievement: 155 Seeds were discovered, and from 123 applications, 54 were adopted for the Gap Fund program.

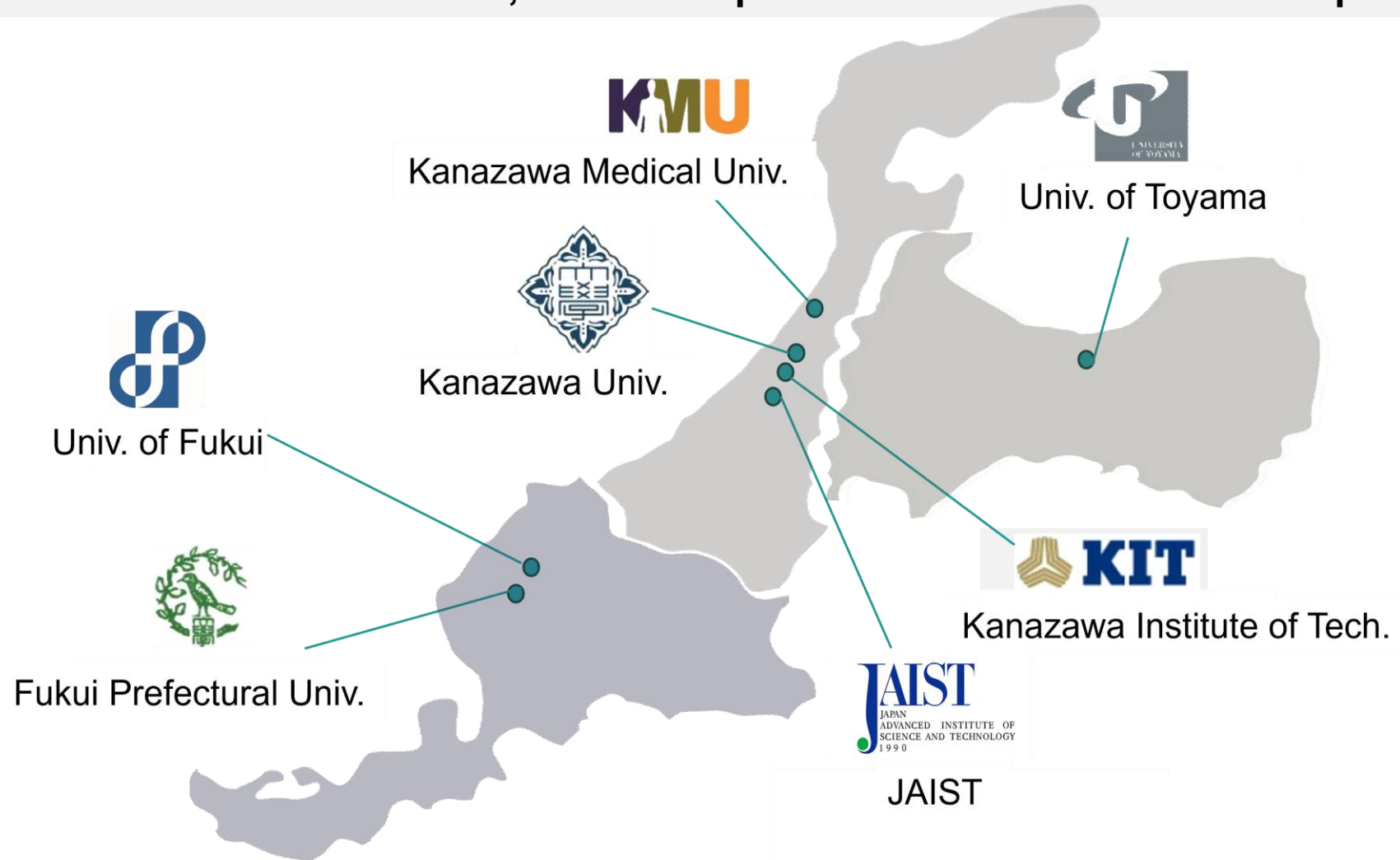
Over two years, 155 Seeds were discovered, and from 123 applications, 54 were adopted for the Gap Fund program.



Universities Selected for STEP2 in FY2024 and FY2025

Selected from 7 universities in the Hokuriku region

Excellent seeds exist throughout Hokuriku universities, and through the TeSH program, these seeds have been discovered, and start-up initiatives have become widespread.



STEP2: Life Sciences (Japan Advanced Institute of Science and Technology)

We aim to commercialize a next-generation bacterial cancer therapy that utilizes an intratumoral bacterial consortium with high safety and strong antitumor efficacy. Commercializing a groundbreaking study published in *Nature Biomedical Engineering* on August 6, 2025.

Transcendent Bacterial Cancer Therapy

Life Science

Commercialization
Promotion Organization

QB Capital LLC

Principal Investigator

JAIST
Professor MIYAKO, Eijiro

- Successfully isolated potent antitumour bacteria, named A-gyo, UN-gyo, and AUN, from tumour biopsies
- AUN composed of *Proteus mirabilis* (A-gyo) and *Rhodopseudomonas palustris* (UN-gyo) expresses high biocompatibility and strong tumour suppression ability



The image is that AUN composed of *Proteus mirabilis* (A-gyo) and *Rhodopseudomonas palustris* (UN-gyo) are defeating cancer cells by good chemistry.

Safety assessments (hematological and histological) suggest

High Biocompatibility of AUN

Published in top science journal *Advanced Science* (IF2022=15.1) and press release from JAIST. Highlighted in many national and international media (Nikkan Kogyo Shimbun, Tokyo Shimbun, Hokkoku Shimbun, Yahoo, EurekaAlert, Alpha Galileo, etc.)



Prof. MIYAKO, Eijiro

Post-injection

Pre-injection	1 day	5 days	8 days	30 days
				

Antitumour efficacy of AUN

(Tumours are eliminated by a single administration)

【PATENT】

- Relating to cancer diagnosis and treatment technologies using bacteria and near-infrared-light (Entering the national phase)
- Relating to intratumoral bacteria 1 (PCT application filed)
- Relating to intratumoral bacteria 2 (PCT application filed)
- Formulation related technologies(PCT application planned)

Expected establishment date: FY 2027

Target market: Global, Domestic

STEP2: Technology (Kanazawa Institute of Technology)

We aim to develop a business that utilizes an eVTOL (electric vertical take-off and landing) type winged drone with a 50 kg payload and a 50 km range, addressing the low fuel efficiency of conventional drones.

TeSH Hokuriku Region Contribution
Potential Startups

VTOL-type winged electric drone business with maximum payload of 50 kg and range of over 50 km



FY2024 STEP1

Noto Peninsula earthquake is the start of the project



Problem

- **Customer: Transporters of materials and supplies in harsh environments such as mountainous and depopulated areas**
 - **Power line construction and maintenance:** Electric Power Company, Power Distribution Company, Power line maintenance company, etc.
 - **Transportation of supplies to mountain huts:** Mountain hut operator, etc.
 - **Disaster and Humanitarian Aid, Disaster Prevention and Defense:** Government Contractors, etc.
- **Customer Issues: Labor shortage, high costs, safety risks**
 - ✓ **Shortage** of transport workers (Declining population, changing work styles, and tendency to avoid physical labor)
 - ✓ **High cost** of helicopter transport (Rising fuel costs, etc., Human-powered transportation to arrival and departure sites)
 - Difficulty securing land for loading (Not nearby due to the high cost of installation. Cost increase due to necessary coordination with landowners)
 - High dependence on those with transportation (Difficult to negotiate the amount of goods that can be transported and the delivery date, etc. on equal terms.)
 - ✓ Significant risk, including fatalities (Risk of slipping and heat stroke at work)



Results of STEP1



March 2025: Unit1 (50 Kg lifted)



Prof. AKASAKA Takeshi
College of Engineering,
Kanazawa Institute of Technology

Challenges through startup

• VTOL-type winged electric drone "Drone 50/50"

- ◎ **Maximum payload of 50 kg and range of over 50 km**

→ Travel short distances multiple times without charging
→ Long-distance, heavy-cargo drones are rare

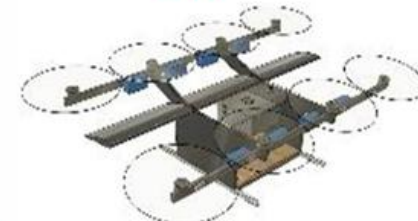
○ **Vertical take-off and landing**

→ OK on uneven ground and in parking lots

○ **Electric**

→ Easy to handle

• **To the global drone market**



Drone 50/50 (image)

STEP2: Environment (Fukui Prefectural University)

In order to revitalize Japanese mackerel aquaculture, including the “Obama Yopparai Saba,” we aim to develop heat-tolerant mackerel seed and establish a fully integrated, hatchery-based aquaculture system through collaboration among industry, academia, and government, as well as empirical research in cage fish culture and breeding facilities.

TeSH Hokuriku Region Contribution
Potential Startups

Hatchery-based aquaculture of mackerel and create new market for fish farming



SABAival PROJECT

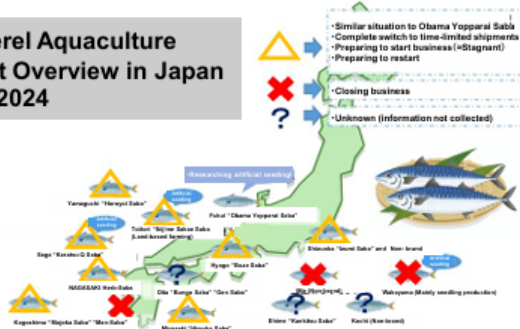


Fukui Prefectural
University

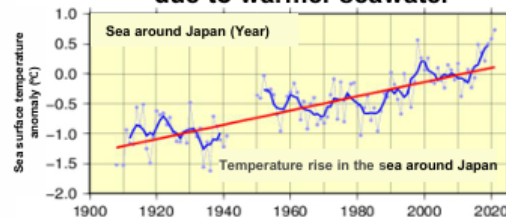
Problem

Mackerel aquaculture endangered in Japan

Mackerel Aquaculture Market Overview in Japan As of 2024



【Factor 1】 Massive mackerel mortality due to warmer seawater



【Factor 2】 Shortage of mackerel seeds due to poor catch

Achievements in Obama city

From 2016

Obama City, Fukui “SABAival” project

Faculty of Marine Science and Technology, Fukui Prefectural University
Fukui Fisheries Promotion Center
Tagarasu Suisan

Research achievements in hatchery-based aquaculture
through industry-academia-government collaboration

2019-2023 “Obama Yopparai Saba” Business
development in fish fattening

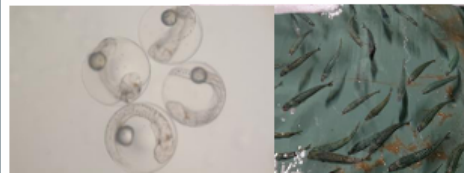
2020 Successful production of approximately 10,000
artificial seed

2023 Test sales of hatchery-based aquaculture of
mackerel achieved!

Results of STEP1

Hatching rate of fertilized egg

25%⇒75%



Challenges through startup



Prof. **Daisuke TAHARA**
Department of Advanced
Aquaculture Science
Faculty of Marine Science and
Technology,
Fukui Prefectural University

Core technology -Creation of the strongest Hybrid seeds-

Scomber japonicus × **Scomber australasicus**

Patent Application Scheduled

- Taste of *S. japonicus* & High temperature tolerance of *S. australasicus*
- No risk of ecological impact
- Not started in fish farming⇒High novelty



Comprehensive hatchery-based
Aquaculture of mackerel system

Seeding
Feed
Environment

Business Goals

Domestic mackerel artificial seed market
⇒12 billion yen

Global edible mackerel market
⇒ approx. 200 billion yen

Initiatives for FY2026 STEP2

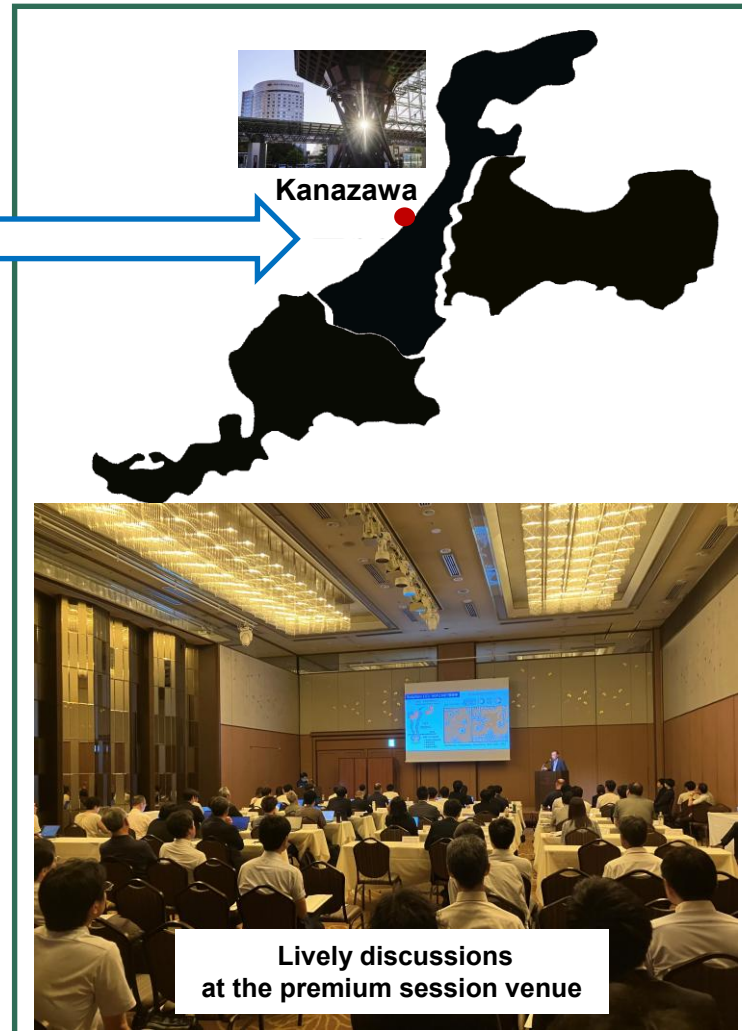
TeSH GAP Fund Premium Session 2025 (August 1)

40 VCs gathered in Kanazawa

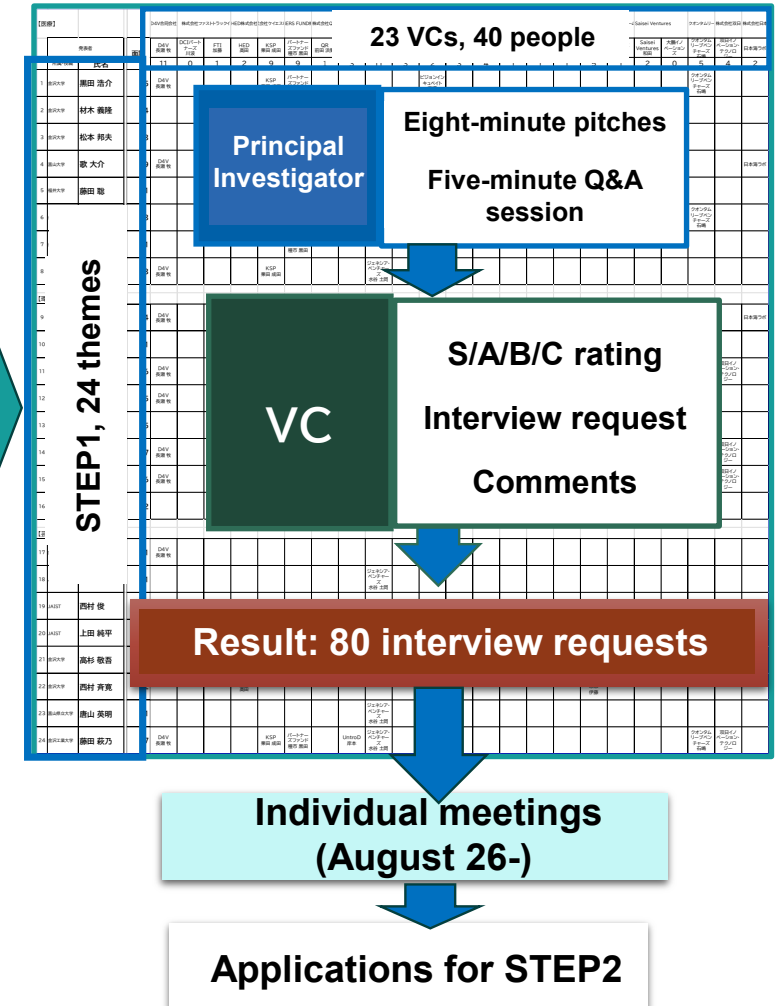
23 companies, 40 people

NO.	Organizations
1	Vision Incubate
2	Hokuhoku Capital
3	Fukui Capital Partners
4	QR Investment
5	KSP
6	Mitsubishi UFJ Capital
7	DEFTA Capital
8	MIRAI SOZO INVESTMENTS
9	Sojitz Institute of Innovative Technologies
10	DCI Partners
11	Genesia Ventures
12	Saisei Ventures
13	KOBE UNIVERSITY CAPITAL PARTNERS FUND
14	UntroD Capital Japan
15	Taiho Innovations
16	Fast Track Initiative
17	Regional, Talent and Future/ MTG Ventures
18	D4V
19	Quantum Leaps Ventures
20	NIHONKAI LAB
21	Hokuriku Enterprise Development
22	UTokyo Innovation Platform

24 pitches for FY2025 STEP1



80 matching meetings were arranged



Enhancing our presence through TeSH-organized events

A powerful lineup of 2025 TeSH events kicking off in Fukui

Fukui

Monday, Aug 25: FUKUI Interdisciplinary Fes. (OPEN)



Tokyo

Monday, Sep 22: 2nd National Platform Community Event (OPEN)



Toyama

Friday, Sep 26 TOYAMA Interdisciplinary Fes. (OPEN)



Kanazawa

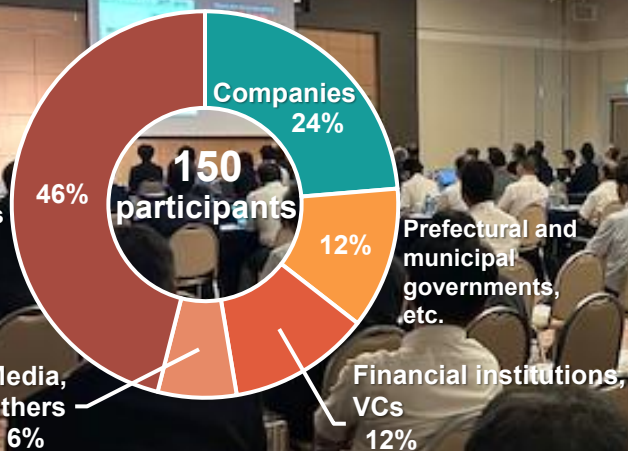
Friday, Nov 14: TESH OFFICIAL DEMODAY (OPEN)



Nationwide Network Building Support Project

FUKUI Interdisciplinary Fes.

August 25
Hotel Fujita Fukui



【Participants】
NICCA CHEMICAL
NAKATEC
Fukui Byora

■ 6 Outstanding Awards from the Seeds Pitch (20 candidates for the next STEP1: 5 candidates × 4 institutions)

<Affiliation>	<Name>	<Nominators>
University of Fukui	Associate Professor Aoyanagi	Hokuriku Economic Federation
Fukui Prefectural University	Professor Hibi	Fukui Capital Partners
Fukui Prefectural University	Professor Kazama	The management reform department, Fukui Prefecture
Fukui College	Associate Professor Horii	Jig.jp, Natural Style
Fukui College	Professor Nomoto	NICT
Fukui College	Associate Professor Tsujino	Fukui Industrial Support Center

■ Media Coverage

University and College Startups —Tracking progress. Event by Cooperative Organizations in the Hokuriku Region

Published in: Fukui Shimbun D-kan/

Link: <https://share.google/tFKdcNttcHlv30q3I>

TeSH: Startup Support Program for Universities and Colleges in the Hokuriku Region. Selected Projects Introduced to Raise Public Awareness

Published in: Nikkan Kenmin Fukui / Chunichi Shimbun Web

Link: <https://share.google/bvkmhW4d2sAjCNF3b>

Monday, August 25, 2025, 13:00 - 17:00 (Networking 17:00 -18:00)
Venue: Hotel Fujita Fukui

- 1. Opening Remarks** 13:00-13:20
 President NAIKI Hironobu, University of Fukui/ President IWASAKI Yukimoto, Fukui Prefectural University
 President KAKESHITA Tomoyuki, Fukui University of Technology/ President HASEGAWA Akira Fukui College.
- 2. Purpose Statement: "TeSH Activities and National Network Building Support Project"** 13:20-13:30
 UCHIDA Fumihiko, TeSH program head of directors, JAIST
- 3. Startups in Fukui** 13:30-14:15


(1) Fukui College Alumni Startup
 Mr. Fukuno,
 Founder, jig.jp
 Let's create new industries on Japan's west coast, the Hokuriku region! What I saw through 14 years of "one app per day" initiative.


(2) Fukui University of Technology Alumni Startup/ Mr. Iwai, President, ALL CONNECT
 Make Fukui overwhelmingly vibrant. Make society overwhelmingly vibrant. If it brings value, I will take on any challenge, no matter how difficult.


(3) University of Fukui Alumni Startup/ Mr. Matsuda, President, Natural Style
 We have developed a weeding helper robot dog named "Okaki". We are working hard every day to grow pesticide-free rice.
- 4. Introduction of TeSH Cooperative Organizations and their Initiatives** 14:25-15:00


(1) Ms. Okada,
 Chief Advisor, Venture & DX Promotion Department,
 Fukui Industrial Support Center


(2) Ms. Ando,
 Head of Entrepreneur Support Office, Deployment Promotion Department, NICT


(3) Mr. Kobayashi,
 President,
 Fukui Capital Partners
- 5. TeSH Activities** 15:00-15:20
 (1) Startup support initiatives at three universities and one technical college
 Program Co-Directors from three universities and one technical college (5 minutes each)
 (2) Selected themes for the TeSH Gap Fund/ Prof. Fujita (University of Fukui), Prof. Tahara (Fukui Prefectural University), Prof. Ogoshi (Fukui College) 15:20-15:50
- 6. Seeds Pitches (three-minute) 4 institutions × 5 themes** 15:55-16:55
- 7. Closing remarks** 16:55-17:00
 Nakata, TeSH Program Co-Director, JAIST
- 8. Networking** 17:00-18:00
 Introduction of TeSH cooperative organizations, Awards for outstanding seeds pitches, etc.



TOYAMA Interdisciplinary Fes.

Startup Ecosystem Co-Creation Program
From Toyama Academia to the World



Friday, September 26, 2025, 13:00 - 17:00 (Networking 17:00 -18:00)
Venue: ANA Crowne Plaza Toyama
Organizer: Tech Startup HOKURIKU (TeSH)

Registration Form



JST New Industry Creation Fund for University Startups
Startup Ecosystem Co-creation program



Friday, September 26, 2025, 13:00 - 17:00 (Networking 17:00 -18:00)
Venue: ANA Crowne Plaza Toyama

1. Opening Remarks	13:00-13:15
President SAITO Shigeru, University of Toyama President OGASAWARA Tsukasa, Toyama Prefectural University President KUNIEDA Yoshiaki, Toyama College.	
2. Purpose Statement	13:15-13:25
"TeSH Activities and National Network Building Support Project" UCHIDA Fumihiko, TeSH program head of directors, JAIST	
3. Special Lecture	13:25-13:55
Mr. MIZUGUCHI Katsushi President, TATEYAMA KAGAKU	
10-minute break	
4. Introduction of TeSH Cooperative Organizations and their Initiatives	14:05-14:45
(1) Participating Organizations' Self-Introductions (2) Startup Support Division, Regional Industry Promotion Office, Toyama Prefecture (3) JETRO Toyama (4) Hokuhoku Capital	
5. TeSH Activities	14:45-15:00
(1) Startup support initiatives at two universities and one technical college Program Co-Directors (5 minutes each)	
(2) Selected themes for the TeSH Gap Fund	15:00-15:40
Prof. Yamamoto, Associate Prof. Uta (University of Toyama), Lecturer Kamakura, Prof. Touyama (Toyama Prefectural University)	
10-minute break	
6. Seeds Pitches (three-minute) 3 institutions × 5 themes	15:50-16:50
7. Closing remarks	16:50-16:55
Nakamura, TeSH Program Co-Director, Trustee, Kanazawa University	

【Networking】 Business cards exchange, Awards for outstanding seeds pitches	17:00-18:00
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Tech Startup HOKURIKU DEMO DAY

Friday, November 14, 2025

10:00 - 17:00

Venue: ANA Crowne Plaza Kanazawa 3F

	ZUIUN (Room A+B)	
10:00-12:00	Opening Session	
13:00-16:00	A:Life Science	B:Technology, Environment, Others

■ Poster Session: 10:00 – 17:00

Special Lecture: Mr. TAJIMA Soichi, Chairman of the Japanese Venture Capital Association (JVCA)/ CEO, Genesia Ventures

Organizer: Tech Startup HOKURIKU



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Registration Form



Program

Opening session

ZUIUN (Room A + B)

10:00-10:10 Opening Remarks: President Terano, JAIST/ President Wada, Kanazawa University
10:10-10:20 Guest Remarks: Ministry of Education, Culture, Sports, Science and Technology
10:20-10:50 Special Lecture: Mr. TAJIMA Soichi, CEO, Genesia Ventures/
Chairman of the Japanese Venture Capital Association (JVCA)
10:50-11:00 Overview of TeSH: UCHIDA Fumihiko, TeSH Program Head of Directors, JAIST
11:00-12:00 Selected themes for the FY2024 TeSH GAP Fund Program STEP2

- Prof. TAIMA, Tetsuya, Kanazawa Univ.: Realization of next-generation film solar cell with low cost, long life, and high efficiency for GX Innovation
- Prof. WATANABE, Yoshihiro, Kanazawa Univ.: Platform validation of drug discovery and diagnostics based on Ab-epitope profiling technologies in allergic diseases
- Prof. HANAYAMA, Rikinari, Kanazawa Univ.: Establishment of large-scale production and quality control technologies for high-quality exosome formulations
- Prof. MIYAKO, Eijiro, JAIST: Transcendent Bacterial Cancer Therapy

ROOM A

Life Science

Moderator: Aono, TeSH Mentor

13:00-13:45
FY2025 STEP2
15 minutes × 3

- Associate Prof. YAMAMOTO, Seiji, Univ. of Toyama: Establish the startup for drug discovery that promotes therapeutic antibodies for the cystic lymphangioma, a chronic childhood disease
- Prof. OKI, Masaya, Univ. of Fukui: Development of a Non-Invasive Eye Drop Treatment for Diabetic Retinopathy Targeting Ischemic Areas
- Associate Prof. NISHIZONO, Hirofumi, Kanazawa Medical Univ.: Development and Commercialization of a Device for Mammalian Sperm Activation Using Specific Wavelength Light Irradiation

15-minute break

14:00-15:00
FY2025 STEP1
10 minutes × 6

- Associate Prof. KURODA, Kosuke, Kanazawa Univ.: Development of "ZILusion": solvent of hardly soluble drugs
- Assistant Prof. ZAIMOKU, Yoshitaka, Kanazawa Univ.: Implementation of HLA loss detection
- Prof. MATSUMOTO, Kunio, Kanazawa Univ.: A Breakthrough Biopharmaceutical for Feline Chronic Kidney Disease
- Associate Prof. UTA, Daisuke, Univ. of Toyama: Realizing a New Home Treatment Business with Low-Level Laser Therapy Devices
- Prof. FUJITA, Satoshi, Univ. of Fukui: Direct Electrospun Hydrogel Nanofiber-based Adhesion Barrier
- Prof. HASHIMOTO, Yasunari, Komatsu Univ.: Commercialization of Control Technology Using Non-Invasive Brain Waves

10-minute break

15:10-16:00
FY2025 STEP1
10 minutes × 5

- Prof. YAMAOKA, Yoshihisa, Komatsu Univ.: Development of photoacoustic imaging system to assess skin properties and diseases
- Doctoral Course KATO, Yusuke, JAIST: Business of freezing and storing pig semen using innovative cryopreservation technology
- Lecturer KAMAKURA, Masaki, Toyama Prefectural Univ.: Innovative challenge to discover the safe low molecular medicines to prevent honeybee death from a specific pathogen mediated by varroa mite.
- Prof. NORIKI, Sakon, Fukui Prefectural Univ.: Development and Social Implementation of a Simple Detection Kit for Dermatophytosis (Ringworm) in Pets, Livestock, and Other Animals.
- Prof. TOUYAMA, Hideaki, Toyama Prefectural Univ.: Commercialization of earphone-type EEG device and the analysis system for higher brain functions

ROOM B

Technology, Environment, Art

Moderator: Takeda, TeSH Mentor

13:00-13:30
FY2025 STEP2
15 minutes × 2

- Prof. TAHARA, Daisuke, Fukui Prefectural Univ.: Hatchery-based aquaculture of mackerel and create new market for fish farming
- Prof. AKASAKA Takeshi, Kanazawa Institute of Tech.: VTOL-type winged electric drone business with maximum payload of 50 kg and range of over 50 km

10-minute break

13:40-14:30
FY2025 STEP1
10 minutes × 5

- Senior Lecturer HIROSE, Daisuke, JAIST: An easy-to-use smart food quality check system for everyone, enabled by hybrid technology combining oxide thin-film transistor sensors and AI
- Prof. TSUJIGUCHI, Takuya, Kanazawa Univ.: Creating a New Business in Next-Generation Emergency Power Systems with Enhanced Portability and Storability
- Associate Prof. HIROSE, Daisuke, Kanazawa Univ.: Commercialization of Innovative Platform Technology for Extremely-efficient Dissolution, Dispersion, Regeneration and transformation of Hardly Soluble Molecule
- Associate Prof. MASHIO, Asami, Kanazawa Univ.: Establishment of methods for recovering precious metals from industrial waste and the hydrosphere
- Prof. SUETAKE, Hiroaki: Salinity-Driven Method for Introducing Beneficial Microbiota onto the Skin of Ayu and Rainbow Trout

5-minute break

14:35-15:15
FY2025 STEP1
10 minutes × 4

- Prof. KUWAMURA, Sawako, Kanazawa College of Art: KANABI KOGEI: Expanding into Global Luxury Markets through Cross-Disciplinary KOGEI Innovation
- Prof. UNOKI, Masashi, JAIST: Development of deep speech-information hiding/deepfake speech detection methods for speech spoofing countermeasure
- Associate Prof. NISHIMURA, Shun, JAIST: Business for solid catalyst informatics by parallel reactor system and data analysis platform
- Associate Prof. UEDA, Jumpei, JAIST: Realizing the ultimate low-environmental-impact transparent luminescent material with long and bright persistent luminescence and excellent semi-permanent durability

5-minute break

15:20-16:00
FY2025 STEP1
10 minutes × 4

- Associate Prof. TAKASUGI, Keigo, Kanazawa Univ.: 100% Japan-Made Dental CAD/CAM Crown Manufacturing System
- Assistant Prof. NISHIMURA, Toshihiro, Kanazawa Univ.: Business development of 3D printer capable of one-shot printing of force sensors
- Associate Prof. MATSUZAKI, Chiaki, Ishikawa Prefectural University: Commercialization of technology to enhance the functionality of industrial enzymes
- Associate Prof. FUJITA, Hagino, Kanazawa Institute of Tech.: Development of Elliptical Microwave Heating Chamber



September 8, 2025
UCHIDA Fumihiko
Program Head of Directors, Tech Startup HOKURIKU/
Director, Startup Promotion Office, JAIST

