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## **Greetings**

### Greetings!

There are many promising domestic food companies, capable of leading the national food industry, that are steadily moving into the Food Industry Cluster. We are fully supporting youth and venture startups in order to provide opportunities for young people with innovative ideas to realize their dreams.

With our world-class corporate support facilities, we offer technical support to help SMEs create high added-value, and also a business-friendly environment through customized consulting for HR, marketing, export, licensing, and so forth.

FIPA will develop the Food Industry Cluster as the *hub of innovative* growth in the food industry, to become a reliable partner for food companies that will lead the future of Korea's food industry!

Thank you!

Director Kim Young-jae



## **History**

2008

Dec. 2008 Announced the basic plans for the National Food Cluster(Foodpolis)

2011

Feb. 2011 Launched the National Food Cluster Support Center





2013

Dec. 2013 Completed architectural designs for support facilities



2016

Sep. 2016 Completed six major support facilities of the Food Industry Cluster Nov. 2016 Construction began for the Food Industry Cluster's 1st resident company(BTC)





2020

Jan. 2020 Changed the name of the center National Food Cluster Support Center → Food Industry Promotional Agency of Korea



2010

Jan. 2010 Provided the basis for the foundation of the Food Industry Cluster for the Food Industry



20**12** 

Jul. 2012 Announced the master plans for the National Food Cluster





2014

Oct. 2014 Opened the temporary lab of the National Food Cluster Support Center





2019

Feb. 2016 National Food Cluster Support Center designated as a public institution

Nov. 2019 Sauce Industrialization Center opening ceremony





2021

Mar. 2021 Opened HMR Technology Center

Apr. 2021 Designated as the 1st seniors-friendly industry support center







### Objective

Development of the Food Industry Cluster, where food companies, labs, and other related businesses
are integrated, capable of strengthening global competitiveness of the food industry and promoting
growth of the agricultural and fishery industry as a hub of the food market in Northeast Asia

### Basis for foundation

• Food Industry Promotion Act Article 12-2

### Major functions and roles

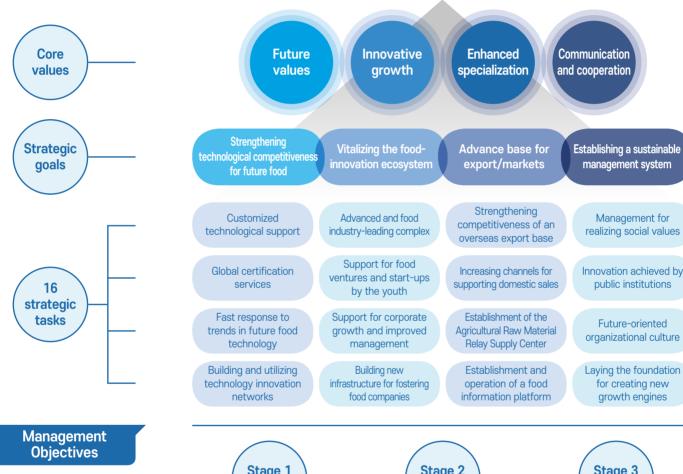
- · Policy development and research for the Food Industry Cluster and integration of the food industry
- Projects related to creation and management of a specialized food industry complex
- Support for companies/organizations participating in activities of the Food Industry Cluster
- Projects to promote close cooperation between participating companies/organizations
- · R&D, external cooperation, and PR projects to vitalize the Food Industry Cluster
- Other projects entrusted by the Minister of Agriculture, Food and Rural Affairs

## **Vision and Management Objectives**

Vision and **Strategic Goals** 

### "To become a hub for innovative growth in the food industry"

Creating an ecosystem for innovative growth, from a start-up to a global company



Stage 1 Stage 2 Stage 3 2022-2023 2020-2021 2024-2025

To secure at an early stage the same level of competitiveness as other domestic public institutions

Construction of new infrastructure (e.g. equipment with innovative technology), development of competitiveness and abilities to promote business, improvement of management systems, and other systems, etc.

To strengthen corporate support and secure additional infrastructure to vitalize the **Food Industry Cluster** 

Attracting performance-oriented investment, facilitating operation of factories, expanding infrastructure (e.g. Agricultural Raw Material Relay Supply Center and Functional Food Styling Center), increasing support for food ventures and job creation for the youth, etc.

To secure the status as Korea's no. 1 public institution for food industry innovation

management system

Management for

realizing social values

Innovation achieved by

public institutions

Future-oriented

organizational culture

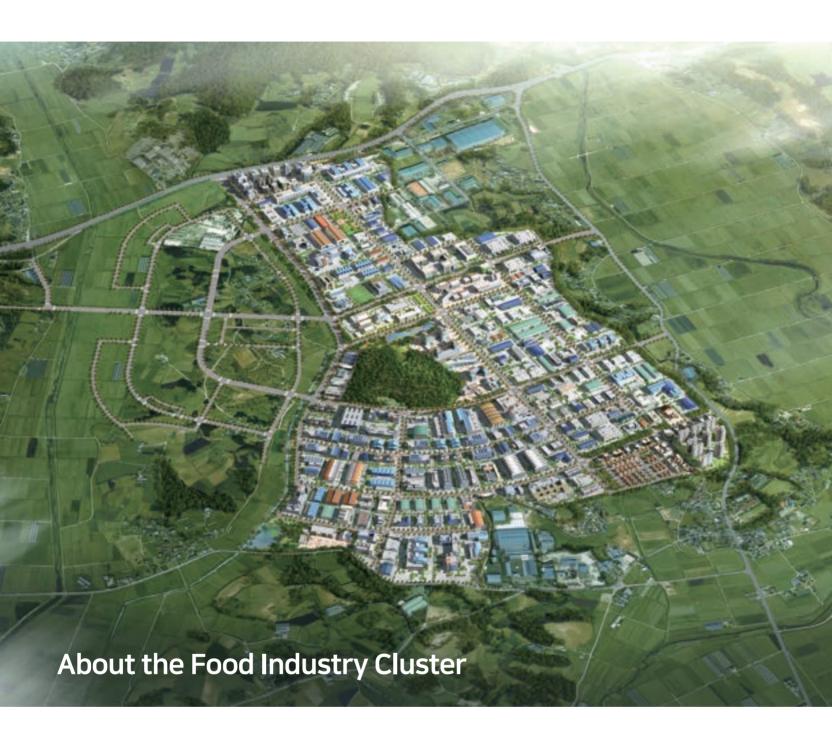
Laying the foundation

for creating new

growth engines

Leading development of the food industry(e.g. technological innovation of food companies and improving export competitiveness), and securing the status as a public institution for food industry innovation(e.g. improving public awareness)





### Let's Introduce the Food Industry Cluster!

The purpose of the Food Industry Cluster is to foster the food industry focused on R&D and export.

The food industrial complex was created as one of the follow-up measures for the Korea-U.S. FTA, and to promote consumption of domestic agricultural products through growth of the food industry and increase of exports.

With integration of food companies and laboratories, FIPA is developing the Food Industry Cluster as a new hub for the global food market.

## **Resident Companies**

In the Food Industry Cluster, there are already more than 100 promising food companies, three research laboratories, and 40 food venture businesses(As of the end of April 2021).

















**HMR** 

(C) COFFEE

**ന്** ർ원PCM

Health functional

foods

foods

CAFÉIER Coffee

K&S Co., Ltd. 주식회시 케이엔에스

Packaging









매일식품











Health functional foods







Rice wine



Meat processing





(주) 23岁 BIO

Health functional

foods

Meat processing

(poultry)

유니크 바이오텍주식회사

Rice drink

Health functional

food

더원푸드







Health functional foods



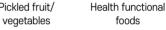




Kimchi Health functional food













Rice processing

**© FromBIO** 

sauce







Health functional Kimchi foods







Processed meat



**HMR** 





Box lunch



Rice cake



Health functional food



Meat processing (poultry)



## Basic Residency(Lot-Sales) Requirements

- Location : Wanggung-myeon, Iksan-si, Jeollabuk-do
- Area : 2,321,928m²
- Business types: Food manufacturing, beverage manufacturing, and related industries
- Price : KRW 151,288per m²(KRW 500,128 per 3.3m²)
- Down payment(10%), intermediate payment and balance in 5-year installments(no interest)\*
   \* Additional discount(2.5% per year) for lump sum payment or prepayment
- O Up to 70-80% secured loan available if you pay more than 20-30% of the land price
- One-on-one consulting for the whole process of allotment and moving in

### **Financial and Tax Benefits**

 Restriction of Special Taxation Act applicable to companies in the Korea National Food Cluster (corporate tax exempted for 3 years, 50% reduced for 2 years)
 Revision of Restriction of Special Taxation Act('2019.26)

Types	Local investment promotion incentive (National+local government)	Investment support (Local government)	Tax reduction		
			Corporate tax	Local tax	
Company relocated from the Seoul metropolitan area	Land investment 30% Facility investment 19%*	10% of the amount exceeding KRW 1 billion (Jeollabuk-do) +	Exemption for 5 years + 50% reduction for 2 years	75% reduction in acquisition tax(1 time) + property tax(for 5 years)	
New/Expansion	Facility investment 19%*	within 5%(lksan-si)  Exemption for 3 years + 50% reduction for 2 years  (Restriction of Special Taxation Act amended)			
Investment incentive	Employment subsidy, education/training subsidy, secure employment support, etc.				

<sup>\*</sup> Local specialization businesses: (1012) Meat processing and storage, (1075) Box lunch and precooked food manufacturing, (1079) Other food manufacturing

## Tax Reduction/Exemption for Foreign-invested Companies

- Local tax: 100% exemption from acquisition/property tax for 15 years
- Residency requirement : 30% foreign investment or higher
- Reduction on land lease
  - 100% exemption: Business in industry-support services and using advanced technology, where the amount of foreign investment is USD 1 million or more
  - 75% reduction: Business that significantly contributes to an increase of social overhead
    capital, improvement of industrial structure, or financial independence of a
    local government, which is determined by the Minister of Trade, Industry and
    Energy based on deliberation of the Foreign Investment Committee, where the
    amount of foreign investment is USD 5 million or more



THE FOOD INDUSTRY PROMOTIONAL AGENCY OF KOREA

## The Food Industry Promotional Agency of Korea



• The Food Industry Promotional Agency Of Korea is established based on Article 12-2 of the Food Industry Promotion Act, and is responsible for managing and operating the Food Industry Cluster and supporting activities of resident companies.

### Support services

- Support for the entire process of production of a resident company from procurement of raw materials to R&D/manufacturing/marketing/manpower supply/export
- Full support of professional staff as a coordinator for various problems identified in each stage of the production processes





## **Food Packaging Center**



### **Purpose**

Increasing added value through technological support for food packaging

### Certification





### Main functions and roles

### **Customized packaging improvement**

 Improving packaging type, packaging structure, packaging material, etc. in consideration of product characteristics of each company

### Major equipment

• 18 types including cutting plotter, 3D printer, etc.





1

### Announcement

Food SMEs submit desired technology to solve difficulty

For food companies

### 2

### **Evaluation for selection**

A project selected by experts through evaluation (feasibility, etc.)

Selection & Evaluation Committee



# Signing an agreement Technology development agreement prepared and signed

FIPA, resident company



### Project execution & evaluation

The project carried out, and a results/settlement report prepared

FIPA, resident company

#### Packaging material analysis

- Test and analyze physical properties of packaging materials according to the test/manufacturing method specified in the Korean Industrial Standards
- Test and analyze any hazards and safety of food packaging materials\* by using the testing methods in accordance with the Food Sanitation Act

### Major equipment

 Oxygen permeability, water vapor transmission, universal testing system, HPLC, GC, LC-MS, GC-MS, etc.







### Logistics environment test

 Verify and optimize product safety and packaging adequacy based on the data measured by the International Safety Transit Association.

### Design of the logistics environment test

Sufficient discussion is required at each stage

### Major equipment

 Combined environmental vibration testing system, drop impact tester, walk-in chamber, etc.





### Design of the logistics environment test

· Sufficient discussion is required at each stage

Identification of logistics Review of test items by variables process Temperature Product strength(test) Loading height, pallet size, Transportation and container dimensions Packaging type Quantity and orientation Shape and dimensions of a Internal packaging type divider, contours, etc. Other conditions Box dimensions and type

Review of actual measurement data, simulation data, and test methods

Review of relevant standards

Detailed test items

Discussion of test conditions

Test (step-wise assessment of packaging)

Report preparation

### Inquiries

 Food Packaging Center 063-720-0630 packaging@foodpolis.kr

## **Food Quality and Safety Center**



### **Purpose**

Support relating to qualitycontrol analysis and safety testing/analysis for development of high value-added products

### Certification





Accredited testing institution (KT-822)

Food etc. testing laboratories No. 142

#### Main functions and roles

### Self-quality test/analysis

 Consigned testing service for food companies that have difficulty in performing self-quality tests according to the Food Sanitation Act

### What is self-quality test?

According to the Food Sanitation Act, food manufacturers/processors should periodically perform a quality test in order to comply with the standards/specifications in order to distribute/sell their products

### Special test/analysis

- Special tests specified by the Food Sanitation Act for raw materials and products\*
- \* GMO status, norovirus, pesticide residue among hazardous substances, labeling inspection (nutritional components), food safety control certification/test, etc.

### Major equipment

 Approx. 22 types of equipment, including GC-FID, LC-PDA, LC-ELSD, LC-FLD, GC-MS/ MS, incubator, mercury analyzer, etc.



### Major equipment

 RT-PCR, PCR, nano-drop automated electrophoresis system, Gel-Doc, biological safety cabinet, etc.

### Test/analysis for export(KOLAS)

- Test/analysis accepted in countries that have joined the International Laboratory Accreditation Cooperation(ILAC) Issuance of a report from an internationally recognized testing institution, including the Korea Laboratory Accreditation Scheme(KOLAS)\*
- \* Test/analysis accepted in about 50 countries

#### Major equipment

• ICP-MS, ICP-OES, microwave, automatic diluter & dispenser, incubator, etc.

### (Specialization) Preference-related quality analysis

- Improve preference\*(off-flavor, etc.) and support development of high value-added products that can satisfy consumer preferences.
- \* Taste, smell, texture, color, etc.

#### Major equipment

 Twenty types including electronic nose. electronic tonque, electronic eye, and off-lactometer





### Procedures(test/inspection\*, KOLAS test)

Request submitted Request for equipment use, business registration certificate, etc.

Resident and non-resident companies

**Quotation and payment** 

A quotation issued and fees to be paid, a tax invoice issued, and a sample/material submitted

FIPA(quotation, tax invoice) Company(fees to be paid)

**Testing** 

A test and analysis performed

Joint use of equipment

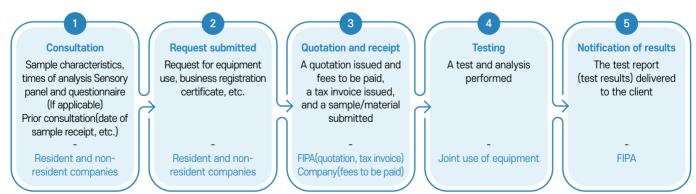
**Notification of results** 

The test report(test results) delivered to the client

FIPA

\* Test and inspection : Self-quality test, label inspection, food safety control certification/test

### Procedures(preference-related quality test/analysis, special test/analysis)



- Inquiries
- Food Quality and Safety Center 063-720-0610 safety@foodpolis.kr

### **Functional Evaluation Center**



### **Purpose**

Research on and promotion of functional food

### Certification





### Main functions and roles

## Efficacy evaluation of functional ingredients(cell/animal)

 Support for efficacy evaluation to register an individual approved functional ingredient and secure scientific data for development of food with function claims

## (Specialized) Laboratory Practice Institute(GLP) for Functional Food

- [Overview] Evaluation of safety for registration of ingredients to be approved for health functional foods\*
- \* Article 14 of 「Regulations Concerning Recognition of Functional Ingredients and Standards and Specifications for Health Functional Foods」
- [Certified] Korea Excellent Laboratory Animal Facility (KELAF, Nov. 2019)
- [To be certified]
- Association for Assessment and Accreditation of Laboratory Animal Care(AAALAC-1, planned for Dec. 2021)
- Institute for Good Laboratory Practice (GLP, planned for Dec. 2021)

#### Major equipment

 Total of 33 types including rodent body composition analyzer, rodent bone density analyzer, flow cytometer, etc.







### **Supports Experiments on Human Volunteers**

- Supports experiments on human volunteers conforming to the guidelines of the Ministry of Food and Drug Safety by designing it according to the principles of Good Clinical Practice(GCP)\*
- \* Collaborative support(cooperation with clinical testing institute for health functional foods)

### Procedures

1

### **Announcement**

- Project announcement and receipt of an application
- Qualifications and document evaluated

2

### Evaluation for selection

 Evaluation of a project plan (Evaluation committee to be organized)
 Final selection of

a participant

- Signing an agreement
- Technology development plans prepared and signed
- Co-payment to be made

### lomontatio

### Implementation

- Direct (100% by FIPA)
- Indirect (100% by the service provider)Direct/indirect
- Direct/indirect (jointly by FIPA and the service provider)

### 5

## Project evaluation and management

- Interim and final reports to be submitted
- Final evaluation (Evaluation committee to be organized)
- Settlement of project costs



### Follow-up

- Follow-up management after project completion
- Results of the project to be measured

### Inquiries

• Functional Evaluation Center 063-720-0670 function(∂foodpolis.kr



### **Pilot Plant**



### **Purpose**

One-stop support, ranging from technology development to trial production and smallscale consignment processing

### Certification





### Main functions and roles

### Trial production support

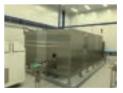
- Production by utilizing advanced equipment (e.g. trial product development, process improvement)\*
- \* Trial production by using the latest and specialized equipment

### **Consignment processing**

- Support for consignment small quantity batch production for ingredients or trial products to enter a market\*
- \* Consignment processing and production of health functional foods can be performed only by GMPcertified companies.

### Major equipment

• Total of 75 types including ultra-high pressure sterilizer, powder sterilizer, spray dryer, etc.









### Production technology and consultation support

- Technological support with production equipment\* and consultation
- \* Technological support, including support for export-type trial production and equipment utilization

#### **Equipment utilization cases**









Cheese finger cubes (Freeze dehydration)

Perilla oil(extraction· condensation)

Barley grass powder (powder sterilization)

Health functional foods(tablets) (tablet-making coating)

### Procedures(support for a trial product)



### **Announcement**

 Qualifications, scope, fees receipt period, the project-incharge, etc. 2

### Receipt of a request

- Schedule discussed with the project-incharge
   Quotation issued to
- the company
  Request for use of facility/equipment

received

\_\_3

#### Payment of fees

- Fees to be paid based on support criteria
- A tax invoice issued(FIPA)

4

### Use of equipment

- The productionin-charge (The one who requests use of equipment)
- Equipment utilization

5

### Evaluation of results

 A sample or a trial product provided as a result of equipment utilization 6

### Follow-up management

 Technical consultation on the results with the project-incharge and manager

### Procedures(support for consignment processing/production)



#### Receipt of a request

- Process conditions and schedule discussed with the project-in-charge
- Quotation issued to the company
   Paguest for consignment
- Request for consignment processing and production received

2

## Consignment processing/production agreement

- Agreement to be signed based on the discussion with FIPA
- Compliance with required conditions (e.g. production, quality)

3

### Payment of fees

- Fees to be paid based on support criteria
- A tax invoice issued(FIPA)

4

## Consignment processing/production

 Consignment processing/ production by the production-in-charge (Jointly with the client if necessary) **-** 5

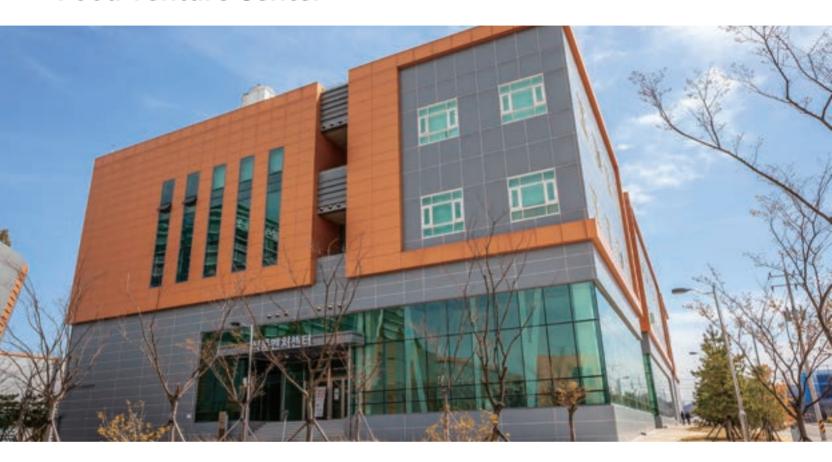
### Delivery and follow-up management

- Processed/produced product delivered to a company
- Technical consultation on the product
- Technical consultation on the results with the project-in-charge and manager



 Pilot Plant 063-720-0651 pilot@foodpolis.kr

### **Food Venture Center**



### **Purpose**

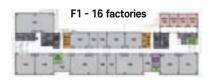
Promoting growth of promising SMEs by leasing a factory, carrying out development of technology, and supporting export, and also creating a food venture/startup ecosystem by establishing an innovation support system for convergence food technologies.

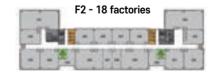
#### Main functions and roles

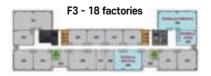
### **Operation of food-specialized rental factories**

- [Overview] Establishment\*/operation\*\* of a food-specialized rental factory, customized for the food industry
- \* After building the rental factory that meets HACCP, GMP, and ISO 22000 standards, separate facilities are installed in the rental space, taking into account the needs of each resident company.
- \*\* Common warehouse and utilities tailored to each business(e.g. water, gas, electricity, and wastewater treatment)
- [Facility Status] A total of 52 factories, common warehouse, conference room, general/freight E/V, etc.

### **Major facilities**







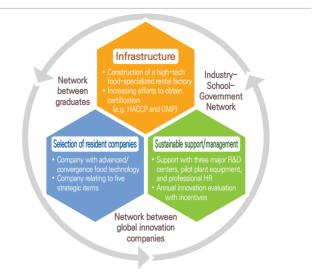
### Selection and development of resident companies

- [Overview] Vitalization of the Food Industry Cluster by selecting companies relating to the Cluster's strategic items and advanced/convergence food technology\*
- \* A resident company is selected through deliberation by the Resident Company Deliberation Committee(e.g. management capability, technology, business feasibility)
- [Status of residency] Out of 52 factories, 39 companies have moved into 48, and 3 are being used for essential businesses

### Monitoring of resident companies(business evaluation)

- [Overview] Intensive support for outstanding companies and improvement of management by evaluating business plan implementation and business performance\*
- \* Growth of resident companies to be motivated by follow-up measures based on evaluation results(e.g. (excellent/average/insufficient, etc.)
- [Evaluation Criteria] Successful implementation of original business plans, implementation progress/ activities, etc.\*
- \* Quantitative(employment, performance, external/internal outcome, financial stability, etc.), qualitative(successful implementation of business plans, results, etc.), on-site inspection(successful operation, installation construction, etc.)

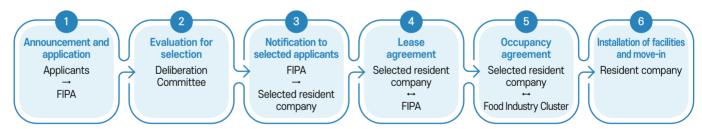
#### **Major functions**



#### **Procedures**



### Procedures(Selection of resident companies)



### Procedures(evaluation of a resident company's business)



Inquiries • Food Venture Center 063-720-0567

### **Sauce Industrialization Center**



### **Purpose**

Laying the foundation for fostering a new growth engine in the future by supporting the sauce industry based on fermented ingredients

### Certification



#### Main functions and roles

### **Commercialization of sauces**

 Support for product development and commercialization according to the needs of companies(trial product, consignment production, etc.)

### Technical support for sauces

 Support for product development and commercialization through technical support(solely or by industry-school cooperation, etc.)

### Major equipment

• 52 types including a mixing tank, rotary packaging machine, etc.





### **Trial product development**

• Trial products developed in 2020





Chicken breast pack

Beef rib marinade sauce

### Support for sauce information

 Database on sauce recipe, industry information(e.g. market), standards/specifications for export, raw materials, etc.

#### Sauce information DB

· Database on recipes, ingredients, and additives



### Procedures(production of a trial product)



- Discussion on production processes
- Issuance of a quotation
- Request for use of facility/equipment received

2

### Payment of fees

- Fees for using equipment to be paidTax invoice issued by
- Tax invoice issued by FIPA to a company

3

### Use of equipment

- Production under the supervision of the company
- Cooperation for production (e.g. how to use the FIPA equipment, precautions, etc.)

4

#### **Evaluation of results**

- Analysis on characteristics of a product(e.g. color, taste, smell, etc.)
- Analysis on characteristics of production processes (e.g. improvement to be made)

5

#### Follow-up

- Consultation on improvements to be made for quality and production processes
- Consultation on commercialization (e.g. expiration date, item report, etc.)

### Procedures(consignment processing/production)



### Receipt of an application

- Discussion on production processes
- Discussion on quality standards for a finished product
- Request for consignment production received

2

## Consignment processing/production agreement

- Agreement concluded
   based on the discussion
   with FIPA
- Issuance of quotation
- Request for consignment processing received

3

### Payment of fees

- Fees for consignment processing to be paid
- Tax invoice issued by FIPA to the company

4

### Consignment production

- Production through cooperation between the company and FIPA
- Product quality, packaging condition, etc. inspected by the company

5

### Follow-up

- Products delivered to the company
- Issuance of a quality specification
- Consultation on improvements to be made (e.g. manufacturing process, expiration date, quality, etc.)

### Inquiries

 Sauce Industrialization Center 063-720-0660 sauce(ofoodpolis.kr

## **HMR Technology Center**



### **Purpose**

Support for joint technology development between the resident companies and food-related companies/ institutions in order to secure advanced HMR technology, enhance corporate competitiveness, and foster high-value-added HMR businesses

#### Main functions and roles

### Non-thermal sterilization

- Supports commercializing the only non-thermal sterilized food technology in Korea
- Supports R&D on non-thermal chemical sterilization such as antimicrobial agent(vs. physical thermal sterilization)

### Supports alternative meat processing technology

 Supports specializing in TVP-oriented alternative meat processing technology and commercialization

## Supports intelligent eco-friendly packaging technology

- Supports specializing in non-face-to-face packaging technology for the post-COVID-19 era
- Supports specializing in eco-friendly packaging technology for reducing packaging waste

### **Major function**

 Sterilization by plasma treatment, sterilization by intense pulsed light magnetic field



Improving texture of meat products



#### **Major function**

 PET bottle packaging for improved recyclability, intelligent automatic cooking based on printed electronics



## **Agri-Food Distribution Center**(completed in 2021)



### **Purpose**

Providing a lowtemperature storage facility and establishing a supply system capable of reliably relaying/supplying agri-food raw materials for resident companies throughout the year

#### **Business size**

- Total cost: KRW 19.5 billion\*
- \* (Government expense 100%)
- Period: 2019~2021(3 years)
- Use of support fund:
   Design, construction, etc.

#### Main functions and roles

### Storage of agri-food raw materials

- Develop logistics warehouse to store/manage various raw materials and products by temperatures (e.g. freezing/refrigeration/room temperature)
- Designed to classify raw materials and products by characteristics
- Build a comprehensive logistics system combined with IT to increase efficiency of logistics

### Agri-food raw materials relay function

- Provide varied information, and also support progress of negotiations/contracts to facilitate procurement of domestic agri-food raw materials for resident companies
- Establish/manage a supplier DB tailored to the characteristics of each resident company, including agri-food raw material warehousing type(raw material, pre-treated), certification, delivery, transaction conditions, etc.
- · Search and manage suppliers(e.g. producers, relevant businesses) of large-demand raw materials

#### Transfer of high value-added information

- Provide information generated at the stage of goods receipt/shipment by Relay Supply Center to a relevant company
- Provide useful information for management(e.g. information on producers of agri-food raw materials, prices(wholesale market), crop report, consumption trends, etc.)

## Functional Food Styling Center(completed in 2022)



### **Purpose**

Establishing support facilities to provide services to resolve difficulties related to functional food formulation for food SMEs

### **Business size**

- Total cost : KRW 17.64 billion\* \* (Government expense 100%)
- Period: 2019~2022(4 years)
- Use of support fund : Design, construction, equipment, etc.

#### Main functions and roles

Formulation/material development (new formulation research), functional food formulation production development of industry-school networks

- Formulation technology for functional food
- Liquid formulation small amount consignment production
- Development of industry-academia-research network
- · Formulation suitability assessment
- Information sharing and hub development
- Introduction of overseas leading technology

### Major equipment

 Total of 83 types including liquid/jelly formulation production equipment(stick, pouch, spout, PET bottle, etc.), packaging equipment(cartoner, etc.), formulation stability analysis equipment(disintegration tester, rheometer, etc.), formulation testing equipment, etc.





## Young Startup Square (completed in 2023)



### **Purpose**

Establishing a complex facility/ space to support for start-ups in the food industry, involving the entire process of start-up, such as production of a trial product, education/training, business space, etc.

#### **Business size**

- Total cost: KRW 26.644 billion\*
- \* (Government expense 100%)
- Period: 2020~2023(4 years)
- Use of support fund: Design, construction, equipment, etc.

#### Main functions and roles

### Production of a trial product

- · Equipment for small quantity batch production
- · Production system of idea-trial productfinished product

### Step-wise customized start-up support

- Comprehensive one-stop support for food start-ups
- Step-wise customized training(preparation-early-growth)

### · Support from experienced internal/external mentors

### Support for win-win cooperation in the agri-food industry

- · Organic cooperation system with related organizations
- · Promotion of domestic agricultural product consumption expansion

### Open-type support system

- Experience space within the start-up hub
- Operation of the membership system
- Organic collaboration to increase beneficiaries







## Functional Ingredient Bank (completed in 2023)



### **Purpose**

Development of functional food ingredients in domestic agricultural products and alignment of agriculture with the food industry

### **Business size**

- Total cost: KRW15 billion\*
- \* (10.5 bil. by the central government, and 4.5 bil. by the local government)
- Period: 2020-2023(4 years)
- Use of support fund: Design, construction, equipment operation, etc.

#### Main functions and roles

## Standardization/specifications of functional ingredients

 Development of a new functional ingredient index to be approved for health functional foods, and support for analysis methods

## Distribution of standardized samples of domestic agri-food raw materials

 Identification of promising functional ingredients, and distribution of analyzed/ standardized agri-food ingredients

### Main equipment

• LC -Q-Tof, GC -MS , isolation and purification equipment, etc.











# Corporate Development/ Support Program

THE FOOD INDUSTRY PROMOTIONAL AGENCY OF KOREA

### **Business Consultation Center**

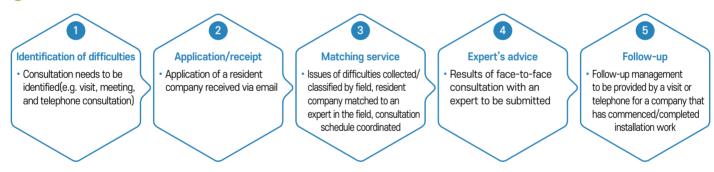
Purpose

- [Offline] Operation of the Business Consultation Center in FIPA in order to quickly solve difficulties that may arise during corporate management and factory operation(ten areas including legal, accounting/tax, labor, financial, environment, construction, safety, import/export)
- [Online] Online civil services by KakaoTalk Plus Friend Channel to immediately respond to inquiries in addition to the simple announcement/notification services

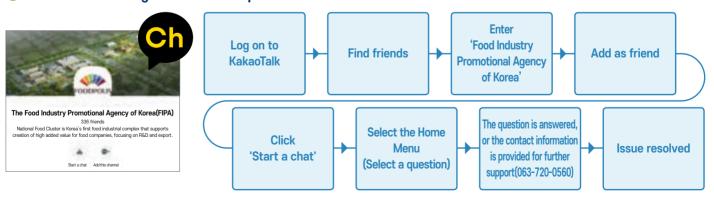
Overview

- [Target] Resident companies(lot-purchased company/venture)
- · [Application type]
- (Offline) A pool of experienced experts in ten fields is organized in order to solve difficulties of resident companies
- · Issues of such difficulties are collected and classified by field so that the experts can provide face-to-face advice
- (Online) Support programs are announced, useful information is shared(e.g. issues in the food industry) via FIPA Kakao Talk Plus Friend Channel, and consultation services are provided by Chatbot

### Procedures



### KakaoTalk Messenger consultation process



Inquiries

• Corporate Support Center 063-720-0560

## **Food Startup Stepstone Technical Support**

Objective

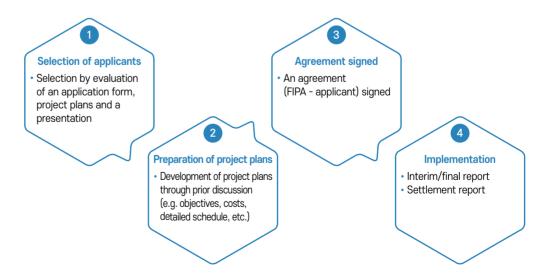
• Evaluation of commercialization and production of a trial product for food start-ups

Overview

- [Target] Start-ups in the food company
- \* Of start-ups pursuant to Article 2 of the [Support For Small And Medium Enterprise Establishment Act], small companies pursuant to Article 2(2) of [Framework Act On Small And Medium Enterprises]
- [Conditions] Support fund : co-payment = 80 : 20(cash)
- \* Applicable to resident companies(Food Venture Center), and differential support/co-payment depending on the cumulative amount of support fund
- [Details of the support]

Class.	Details		
	Evaluation of functions	- Technical support for development of health functional foods (e.g. raw material standardization, efficacy evaluation, GLP safety test (single, repeated, genotoxicity))	
Evaluation of	Quality and safety	- Support for commercialization evaluation (e.g. quality improvement and a safety test of a trial product)	
commercialization	Food packaging	- Innovative packaging to improve consumers' convenience (universal packaging, active/passive packaging system, etc.)	
	Sauce commercialization	- Technical support for commercialization(recipe development and a trial product) and trial production(test bed)	
Production of a	Pilot plant	- Liquid formulation(PET, spout, vial, liquid stick) - Solid formulation(granular sticks, capsule, tablet)	
trial product	Source commercialization	<ul> <li>Extraction/concentration(broth, extract), heating/stirring(sauce),</li> <li>emulsification(dressing), retort sterilization</li> <li>Packaging process(PET, glass bottle, pouch, cup sealer, liquid sticks, bulk)</li> </ul>	

Procedures



Inquiries

Technical Support Office 063-720-0542

## **Youth Food Startup Lab**

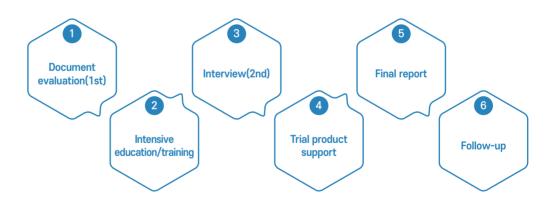
Purpose

 (Preliminary) Providing youth start-ups with opportunities to produce a trial product, offering education/training to strengthen competitiveness, and matching investors, thereby promoting successful commercialization and job creation

Overview

- [Target] Undergraduate(or graduate students) preparing for food start-up, those under 39, and food start-up run for less than 5 years
- [Application period] 4 months from the date of the agreement(top teams to be selected by evaluation for additional support)
- [Details of the support]
- Trial product and tests(space\*, cost\*\*, food tasting event, etc.)
- \* Open kitchen, space, meeting room, etc.
- \*\* Mentoring, materials, transportation, equipment usage, tests and analysis, etc. (purchase of capital goods impossible)
- Capability building training\* and mentoring\*\* for successful start-up/commercialization
- \* (Education/training) food, start-up, management, and investment
- \*\* (Mentoring) Pool of experts in six fields(management, investment, food, etc.) and matching service
- Follow-up management\* and matching\*\* start-up founders to investors
- \* Monitoring commercialization, hosting the networking day, and matching to projects supported by relevant organizations, etc.
- \*\* Matching to investors through the IR Demo day

Procedures







## **HR Development Support**

Purpose

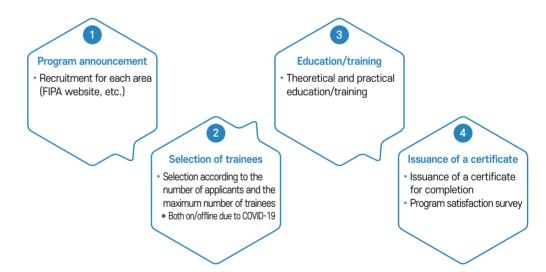
• Online/offline education/training support for using the FIPA's infrastructure

Overview

- [Target] Food company employees, prospective start-up founders, the employed, etc.
- [Details of the support]

Areas	Details	
Quality/safety	Practical training for microbial and quality analysis (analysis methods of the Korea Food Additives Code, etc.)	
Functional evaluation	Education/training for functional evaluation relating to development of health functional food	
Food packaging	Practical training on structure/quality analysis for food packaging	
Production	Practical training for production management/equipment and operation of licensing	
Formulation	Practical training for formulation development(beverage, powder, granules, etc.)	

Procedures



Inquiries

• Technical Support Office 063-720-0542





## **HR and Marketing Support:**

### **Business Promotion**

## **Food Company Employment Support**

- Purpose
- Summary

- · Promoting stable management and creating employment for resident companies
- [Target] Lot-purchased companies and resident companies(including venture center)
- [Conditions] (New employment) Two months(or more) employment maintained after a new employee is hired(permanent) in 2021

(Employment retention) Existing/venture companies with employees who have been working for 12 months or more through the intern support program

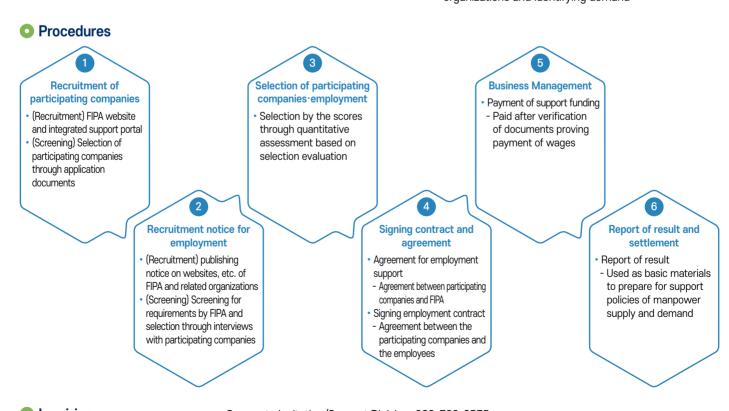
• [Support content] (Employment support) Classified into new employment and employment retention

Up to KRW 1 million per employee each month; maximum of 20 persons

#### <Limit for new employment by the year of establishment of company>

Venture/lot-purchased	Started construction	1st year after completion	2nd year after completion
Maximum 2 persons	Maximum 10 persons	Maximum 15 persons	Maximum 20 persons

(Employment matching) Matching through linking HR manager and related organizations and identifying demand



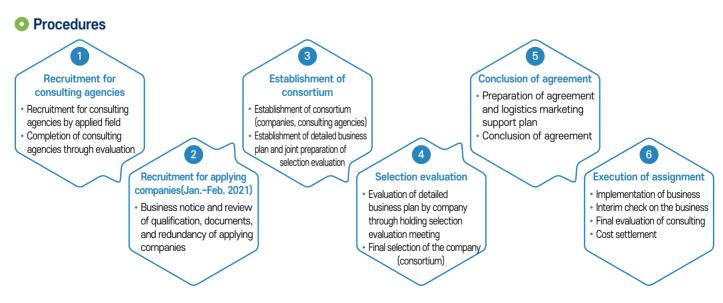
Corporate Invitation/Support Division 063-720-0575

## **Logistics · Marketing Support**

#### Summary

- [Target] Lot-purchased and resident companies(including venture center)
- [Conditions] Support amount : contribution by the company = 70 : 30(cash)
- [Support content] Up to two cases per company\*
- \* KRW 20 million per case(KRW 33 million for TV home shopping)
  - ① Beneficiary of consulting for 2 items previous year → may choose consulting for 1 item this year
  - 2 Cannot choose the item for which consulting was received for last year

Field	Description
Logistics	- Strategy for operation of mid- to long-term logistics process/quality innovation, cost reduction, stock management, distribution cost reduction, cold chain
Logistics	- Logistics IT system innovation, e-commerce, suggestions for improvement, productivity improvement such as distribution center layout, facilities, equipment, etc.
	- SNS marketing, online/offline advertising & events, TV commerce
Marketing	- Design/production of company symbol for field trips, etc.
	- Materials for product information, etc.
	- Patents/certifications, research for local market distribution and consumption, consumer research
Market	- Buyer's credit report, interpretation/translation, buyer invitation(companies with USD 1 million or more sales per year in food import)
	- Consulting for export, consulting for management of origin
	- Entrance in TV home shopping shows



Inquiries

Corporate Invitation/Support Division 063-720-0564

## **Business Platform Support**

## (online/offline food market)

Overview

- [Target] Companies in the Food Industry Cluster that want to enter the food market
- [Conditions] ① Completed company, ② company that started construction, ③ lot-purchased company, ④ resident venture company, ⑤ those who completed the Youth Food Startup Lab
- [Contents] Supports display/promotion/sales of products through operation of online/offline Food Market (joint discount outlet)
  - Establishment of one-stop support system to resolve difficulties in early market entry of companies in the domestic food industry (Exhibit, sales, promotion, and shipping support for major products)
  - Establishment and operation of two-way information sharing platforms(BtoB, BtoC) that reflect the 'untact' consumer trend to seek new market for the resident companies

	Supported areas		Support content	
0	Offline exhibition market (Food Market)		- Supports product display/promotion/sales through operating an outlet inside FIPA	
	Online Platform		Operation of business platform to share and exchange information about products between businesses     Supports customized information exchange for food companies such as sharing company/product information, hosting video consulting with buyers, inquiries for product samples, sharing food information DB, etc.	
		BtoC	- Operation of food company exclusive online shopping mall(FOOD POLIS) · Support for online marketing such as exhibit/sales on online mall, live commerce, etc.	

· [Recruitment period and application period] at any time



Inquiries

Corporate Invitation/Support Division 063-720-0563

# **Professional Coordinator Matching**

(short-term support)

Purpose

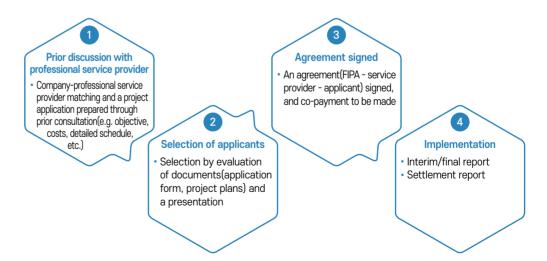
· Solving corporate difficulties by utilizing and matching professional coordinators

Overview

- [Target] Resident companies and lot-purchased companies(including Food Venture Center), promising companies
- [Conditions]
- Support fund : co-payment\* = 80 : 20(cash)
- \* Applicable to resident companies(Food Venture Center), and differential support/co-payment depending on the cumulative support fund
- 1st priority companies with completed installation work or no support in the previous year);
   2nd companies with commenced installation work or in Food Venture Center;
   3rd lot-purchased companies
- [Details of the support]

Class.	Det	tails	
Packaging improvement	Packaging design, material review, design development, etc.*  * Support only for design to be avoided		
Technical consulting	Mid- to long-term development international qualit	0, 1, 1	
	HACCP conceptual design, organic processing, traditional food certification		
	HACCP certification consulting	Small-scale	
		General	
Facility certification	FSSC22000, ISO22000		
	GMP conceptual design		
	GMP certification consulting		
	Smart factory(HACCP)		

Procedures



Inquiries

Technical Support Office 063-720-0542

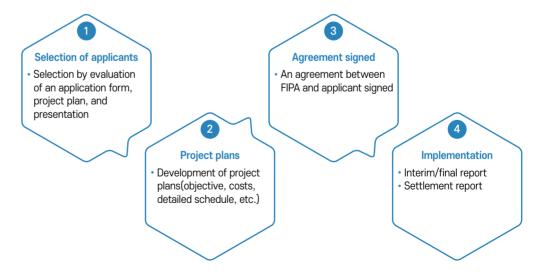
# **Technology Development Support**: Technological support for 'Introducing Korean Food to the World' (medium-term support)

- Purpose
- Overview

- Technological support for food companies using the FIPA's infrastructure(HR, equipment, facility, etc.)
- [Target] Resident companies and lot-purchased companies(including Venture Center), small and medium-sized food-related companies in the country
- [Conditions]
- Support fund : co-payment\* = 80 : 20(cash)
- \* Applicable to resident companies(Food Venture Center), and differential support/co-payment depending on the cumulative support fund amount
- Priority given to resident companies and lot-purchased companies
- [Details of the support]

Area	Unit project	Details	
Introducing Korean Food to the World	Recipe improvement and consumer survey	Recipe improvement and consumer survey to develop technology for processed food	
	Functional food	Efficacy and safety evaluation for registering an individual approved functional ingredient of health	Raw material standardization
		functional foods and development of food with	Efficacy evaluation
		function claims	GLP toxicology
	Packaging improvement/ development	Packaging and structure design, material review, eco-friendly packaging consultation, etc.	
	One-stop commercialization	Standardization of production processes of health functional foods, sauces and other processed foods, production of a trial product, etc.	

Procedures



Inquiries

Technical Support Office 063-720-0542

## Joint Use of Equipment

- Purpose
- Overview

- · Support for joint use of equipment and production systems by resident companies, food-related institutions, etc.
- [Target] Resident/lot-purchased companies, SMEs, prospective start-up founders, etc.
- [Application criteria]

	Maximum support*(KRW 1,000)		Co-payment rate(%)	
Class.	Resident company	Venture Center	Resident companies, Venture Center	Non-resident company**
Joint use of equipment	20,000	15,000	20	50
Joint use of production systems	25,000	20,000	20	50

- \* When a resident company(including Venture Center) runs out of the support fund, additional support may be considered(up to KRW 10,000,000)
- \*\* Food-related SMEs, start-ups/ventures, prospective start-ups founders(documentary evidence such as a start-up support project)
- [Details of the support]

	Details	Dept. in charge
Test/analysis	Joint use of equipment within the Technical Support Dept., and analysis support	Quality safety, packaging, functional evaluation
Production of a trial product	Use of production equipment for trial production and commercialization	Pilot Plant, Sauce Industrialization Center

Procedures



- 1
- **Application**
- Analysis request and business registration certificate to be submitted
- Payment of fees
- Quotation and co-payment made
- s Sample submission
  - Sample to be submitted
- 4 Analysis
- Analysis performed using equipment
- Issuance of a report
- A report issued after payment confirmed

- Main number 1666-0204
- · Quality and Safety Team safety@foodpolis.kr
- Functional Food Evaluation Team function@foodpolis.kr
- Food Packaging Team packaging@foodpolis.kr
- Pilot Plant Team pilot@foodpolis.kr
- · Sauce Business Team sauce@foodpolis.kr
- Functional Food Formulation Team style@foodpolis.kr
- HMR Industrialization Team hmr@foodpolis.kr





## Innovative Growth Support for Sauce/ Traditional Paste Sauce

Purpose

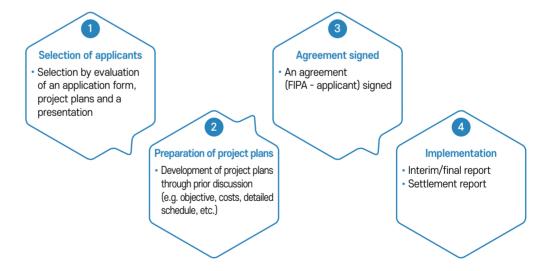
• Securing product development technology for sauce/traditional fermented food manufacturers, and improving corporate competitiveness and increasing sales by supporting development of new products

Overview

- [Target] Lot-purchased companies and resident companies(including Venture Center), domestic food SMEs
- [Conditions] Support fund : co-payment = 75 : 25(20 in kind, 5 in cash)
- [Details of the support]

Areas	Details
Commercialization of sauces and traditional paste sauces	- Commercialization through recipe development and production process standardization(trial product)  · Manufacturing process [extraction/concentration(broth, extract), heating/stirring(sauce), emulsification(dressing), retort sterilization]  · Packaging process [PET, glass bottle, pouch, cup sealer, liquid sticks, bulk]
Development of next-generation technology	- (Promising food products) Development of sauce products using raw materials applicable to promising foods  - (Fermented sauces) Development of sauce ingredients/products using traditional paste sauces  - (Sauce material) Development of products using sauce materials using domestic agricultural products(local specialty)  - (Core technology) Establishment of reliable technical foundation and commercialization by securing sauce-related core technologies(e.g. pretreatment for fermented raw material, sterilization, and hazardous substance control)

Procedures



Inquiries

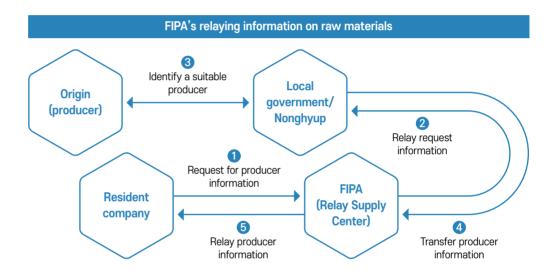
• Technical Support Office 063-720-0542

## Relaying Information on Domestic Agri-food Raw Materials

Purpose

Delivering information on raw materials such as the item, quantity, and price, requested by a
resident company, to the local government/Nonghyup so as to identify an appropriate producer,
and also relaying information on producers and raw materials back to the company, thereby
helping to secure raw materials

Procedures



Inquiries

• Raw Material Relay Supply Team 063-720-0552







## Technical Support for Industry-Academia-Research Consultative Group by Region

- purpose
- Overview

- Strengthening competitiveness of a company in technology development, production, commercialization, and marketing through an industry-school-research consultative group by region
- [Target] Industry-school-research consultative group by region (company, university, local government-affiliated lab, etc.)
- [Details of the support]
- Operation of a consultative group: specialization of each region for future promising foods
  - · Members of a consultative body: Composed of member companies(e.g. company, university, lab, support institutions, service provider, etc. relating to specialization)
- Industry-school-research network: Support for all activities of identifying joint tasks and carrying out collaboration to achieve common goals(e.g. seminar, workshop, forum, education/training, etc.).

Class.	Activity types
	- Technical seminar, workshop, conference, forum, joint education/training
Notwork potivity	- Project activities(e.g. identification of joint tasks, planning, working group, etc.)
Network activity	- Policy and project briefing session
	- Consultative group meeting by region/district

- Operation of a consultative group: Joint cooperation for technical support

#### <Joint cooperation for technical support>

Class.	Support program	Details	
	Trial product	Production of a trial product, etc.	
Operation of an industry- school-research consultative group	On-site and customized education/training	Employee training support (basic training to be avoided)	
osinositativo group	R&BD planning consulting	R&BD project planning costs	

#### Procedures



## Recruitment of a consultative group

 Program announced and an application received

## 2

#### **Evaluation for selection**

Selection by evaluating documents and a presentation



#### Agreement signed

Signing of an agreement and operation of a consultative group



#### Implementation

Interim/final reports



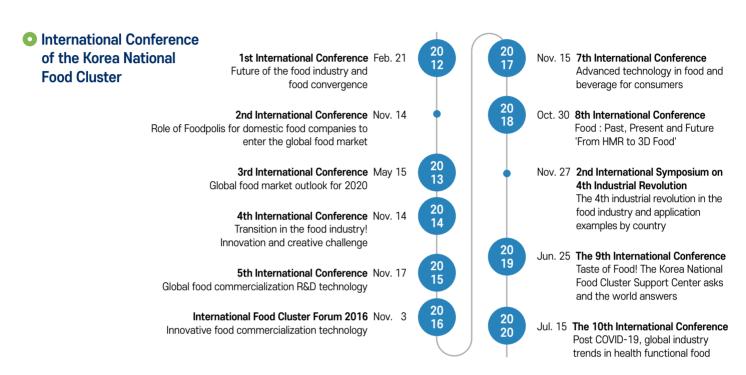
#### Follow-up

Settlement of costs and tracking of results

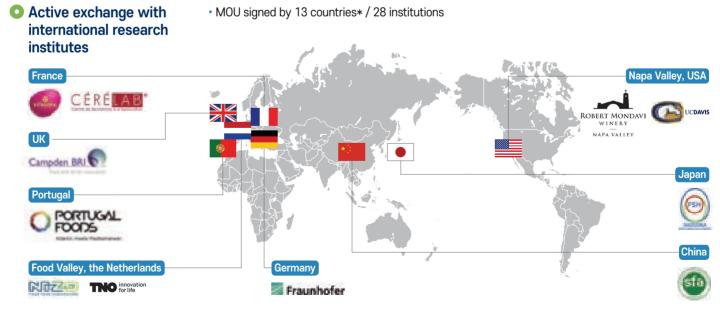


• Technical Support Office 063-720-0542

# Industry-School-Research Exchange and Cooperation



- DLG Food Test
- September 25-26, 2019(first in Korea)
- The world's largest food quality contest with 130 years of tradition
- Jointly organized by the Food Industry Promotional Agency of Korea, Korea Meat Industries Association, and German Agricultural Society



\* 13 countries(USA, UK, France, Germany, Netherlands, Italy, Sweden, Belgium, Portugal, China, Japan, Malaysia, Singapore)

# **Convenient Facilities for Food Companies**

#### Rental facilities

- [Target] Resident companies, national institutions and local governments, public institutions, etc.
- [Operation hours] Weekdays: 09:00~18:00
- [Inquiries] 063-720-0531





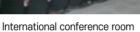


Seminar room(Small)

Seminar room(Medium)

Seminar room(large)







Multipurpose hall



- A video conference room has been set up in the Communication Office on the 1st floor of the FIPA so as to deal with non-face-to-face work that is significantly increasing due to the COVID-19 and to prepare for the government's Digital New Deal policy
- The video conference room is equipped with the latest video conference system and large screen for a group meeting(up to 7 people) to discuss export or provide consultation services
- [Inquiries] 063-720-0531





#### Convenience store

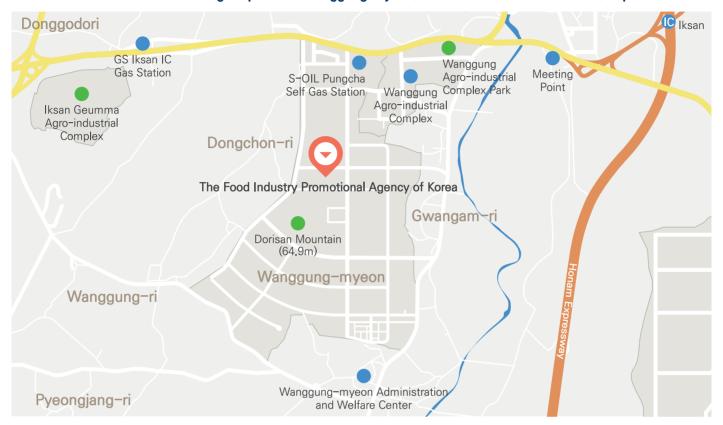
- Hanaro Mini, convenience store brand of Nonghyup Hanaro Mart. Located on 1F the main building of the FIPA, the store has an area of 200m, and is operated by Iksan Wonye Nonghyup.
- The store supplies fresh food(delivered daily), HMR, articles for daily use, stationery, etc. and is running a cafeteria for workers and visitors of resident companies
- Café-type convenience facility
- Ggaljang Service
- Business zone
- Delivery service
- Instant noodles cooker







# **Directions** 100, Gukgasikpum0ro, Wanggung-myeon, Iksan-si, Jeollabuk-do(54576), Republic of Korea



### By car(navigation system)

- ① Search by the road name address '100, Gukgasikpum-ro'
- 2 Enter the parking lot at the back of the main building referring to the signs inside the complex

### By bus

- ① KTX Iksan Station, Iksan Bus Terminal
- Take the express bus No. 555(Yeokjeon, Bukbu Market, Geumma, Bongdong, Geumma, Bukbu Market, Yeokjeon)(Korea Express)
- Get off at the entrance of the Food Industry Promotional Agency of Korea
- 2 Jeonju Bus Terminal
- Take Bus No. 554(Jeonju Family Land, Koaroo 2nd)(Geumam 1-dong Office)
- Get off at Bongseo Elementary School Koaroo Apt. Stop
- Transfer to No. 555(Yeokjeon, Bukbu Market, Geumma, Bongdong, Geumma, Bukbu Market, Yeokjeon)(Bongseo Elementary School Koaroo Apt.)
- Get off at the entrance of the Food Industry Promotional Agency of Korea

#### By taxi

① About 30 minutes by taxi from Iksan KTX Station, Terminal to the Food Industry Promotional Agency of Korea

We help make your food innovation food innovation dreams of come true!