

# Map of Regional Innovation Cluster Program (City Area Type)

## 1. Purpose

To foster R&D-oriented local businesses and promote the formation of clusters that may be small in scale but that maximize local characteristics. This will be achieved by creating technological "seeds" using knowledge created by universities and other research institutions and by constructing self-sustainable industry-academia-government collaboration systems.

## 2. Outline

- Promotion of joint industry-academia-government research for the creation of technological "seeds", focusing on the unique characteristics of the local area
- The following two types of projects are conducted depending on the past achievements and experience of the area in industry-academia-government collaboration.
  - ◆ Basic stage project      Approx. 100 million      x 3 years      10 areas
  - ◆ Development stage project      Approx. 100 million to 200 million x 3 or 5 years      13 areas

(Including 3 areas where accelerative support is adopted.)

Projects will be implemented in 3 years in areas where accelerative support is adopted.

### Yonago and Sakaiminato Area\*

Establishment of a chromosome engineering research center involved in animal models for evaluation of drug and food function.  
\*Tottori University, Tottori Institute of Industrial Technology, etc.

### Shinjiko and Nakaumi Area

Creation of new businesses based on next-generation light-emitting devices and new energy-related technologies that have been developed using environmentally friendly materials  
\*Shimane University, etc.

### Hiroshima Area

Establishment of healthcare businesses based on the development of preventive medicine, diagnosis and drug creation support technologies utilizing bio-functions  
\*Hiroshima Prefectural Institute of Industrial Science and Technology of Hiroshima Industrial Promotion Organization, Hiroshima University, etc.

### Fukuoka Chikushi Area

Establishment of a center for the development of advanced functional automotive parts utilizing nanostructure control materials  
\*Kyushu University, Saga University, Fukuoka Women's University, Fukuoka Industrial Technology Center, etc.

### Nagasaki Area

Development of human-friendly preventive medicine and home medical care systems utilizing non-invasive medical sensing technology  
\*Nagasaki University, etc.

### Okinawan Coastal Area

Creation of a marine bio-industry using the diverse subtropical marine resources in Okinawa and by branding Okinawa-grown seaweed  
\*Okinawa Science and Technology Promotion Center (Core Laboratory), University of the Ryukyus, Okinawa Prefectural Fisheries and Ocean Research Center, Okinawa Prefectural Industrial Technology Center, Okinawa Prefectural Institute of Health and Environment, Okinawa Prefectural Deep Sea Water Research Center, etc.

### Takamatsu Area

Creation of a healthcare bio-industry utilizing unique sugar functions  
\*Kagawa University, Tokushima Bunri University, Meijo University, The University of Tokyo of Marine Science and Technology, Kyushu University, Okayama University, Advanced Industrial Science and Technology (AIST), Kagawa Prefectural Industrial Technology Center, etc.

### Ehime-Nanyo Area

Creation of a sustainable Ehime-originated, Japanese-style fish farming model  
\*Ehime University, Fisheries Research Center, Ehime Research Institute of Agriculture, Forestry and Fisheries, etc.

### Miyazaki Oceanfront Area

Development of marine resource utilization technology to support a safe society where its citizens live long and healthy lives  
\*Kyushu University of Health and Welfare, University of Miyazaki, Miyazaki Prefectural Fisheries Experimental Station, etc.

### Hirosaki Area\*

Creation of a Tsugaru health- and beauty-related industrial cluster with proteoglycans being the core.  
\*Aomori Prefectural Industrial Technology Research Center, Hirosaki University, etc.

### Fukui-Wakasa Area

Development of new industry using nuclear power and energy-related technologies  
\*Wakasa Wan Energy Research Center, University of Fukui, etc.

### Central/Northern Ishikawa Area

Establishment of an advanced fermentation system based on traditional local fermented food products and the development of new advanced functional food  
\*Ishikawa Prefectural University, Kanazawa University, Industrial Research Institute of Ishikawa, etc.

### Tokachi Area

Development of advanced technologies related to the functionality and safety of food and formation of an agri-/bio-cluster through their industrialization  
\*Obihiro University of Agriculture & Veterinary Medicine, etc.

### Mutsu-Ogawara and Hachinohe Area

Development of advanced functional, highly efficient optical elements incorporating next-generation flat panel display technologies  
\*Research Institute for Advanced Liquid Crystal Technology of 21 Aomori Support Center for Industrial Promotion, etc.

### Tsuruoka Shonai Area

Establishment of an evaluation system and formation of an advanced functional food industrial cluster utilizing local agricultural products  
\*Institute for Advanced Biosciences of Keio University, Faculty of Agriculture at Yamagata University, Yamagata Integrated Agricultural Research Center, Yamagata Research Institute of Technology, etc.

### Central Saitama Area\*

Formation of a bio-manufacturing cluster with high-speed molecular evolution technology as a core  
\*Saitama University, the University of Tokyo, RIKEN, Saitama Cancer Center, Kyushu University, Niigata University, Toyohashi University of Technology, Saitama Industrial Technology Center, Ochanomizu University, Saitama Medical University, etc.

### Chiba/Tokatsu Area

Development and commercialization of a next-generation antibody drug-creation system and diagnostic devices using the area's advanced fundamental technologies  
\*The University of Tokyo, Chiba University, National Institute of Radiological Sciences, Chiba Cancer Center, etc.

### Kazusa/Chiba Area

Formation of an industry-academia-government collaboration cluster for the treatment of immunological and allergic diseases based on advanced genome analysis  
\*Kazusa DNA Research Institute, Chiba University, RIKEN, etc.

### Western Tono Area

Creation of a new ceramics industry that is in harmony with the environment  
\*Nagoya Institute of Technology, Gifu Prefectural Ceramics Research Institute, etc.

### Southern Gifu Area

Development of advanced medical equipment utilizing manufacturing technologies and IT  
\*Gifu University, Toyota Technological Institute, Industrial Technology Center (Gifu Prefectural Government), etc.

### Mie/Ise Bay Shore Area

Development of new-generation solid polymer lithium secondary batteries and advanced material innovations  
\*Mie University, etc.

### Kansai Science City and Surrounding Area

Development of ubiquitous bioinstrumentation healthcare devices and systems  
\*Osaka University, Nara Institute of Science and Technology, Kyoto Prefectural University of Medicine, Nara Medical University, Doshisha University, etc.

### Wakayama Prefecture Kihoku Kichu Area

Development of new advanced functional food and materials utilizing local fruits and original technologies  
\*Industrial Technology Center of Wakayama Prefecture, Kinki University, etc.

- City Area Type (Basic stage project) 10 areas
- ▲ City Area Type (Development stage project) 10 areas
- ☆ Adopted based on accelerative support.

\*Core research organizations

**Icons** These icons indicate the four high-priority fields specified in the Third Science and Technology Basic Plan (approved by the Cabinet in March 2006) as well as other fields.

- Life Sciences
- Information Technology
- Environmental
- Nanotechnology/Materials
- Other