



September 9, 2010

The APEC IP Symposium "Innovating IP Exploitation"
Session 2 Full Utilization of IP Rights
IP Licensing in Japan

***Measures for
Encouraging Patent Licensing
~ INPIT's Challenges ~***



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National Center for Industrial Property
Information and Training (INPIT)***



Outline

1. Background

- Situation of Patent Utilization
- Promotion of Intellectual Creation Cycle
- Importance of Open Innovation
- Potential Benefits of Patent Licensing

2. INPIT's projects for Encouraging Patent Licensing

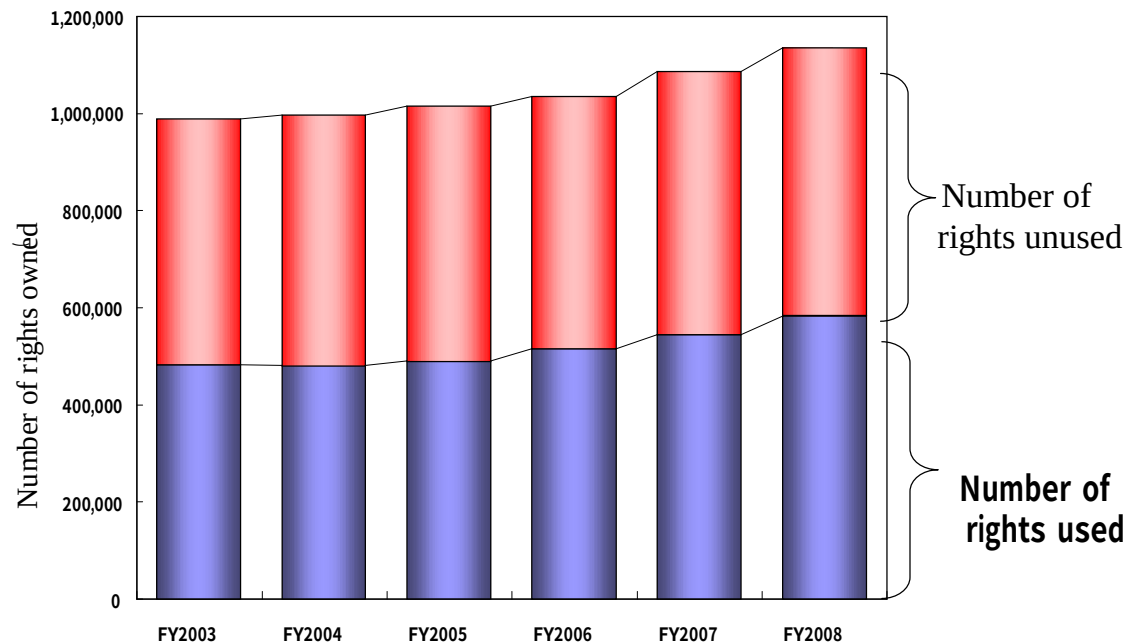
- Project1: Promoting patent licensing through the active use of human resources
- Project2: Providing information on licensable patents and promoting the active utilization of those patents
- Project3: Supporting the development of businesses dealing in IPRs

3. Future

Situation of Patent Utilization

Q: How many of the patent rights are actually used (utilized by their patentees or licensed) in Japan?

A: 584,994 (51.4%) in FY 2008

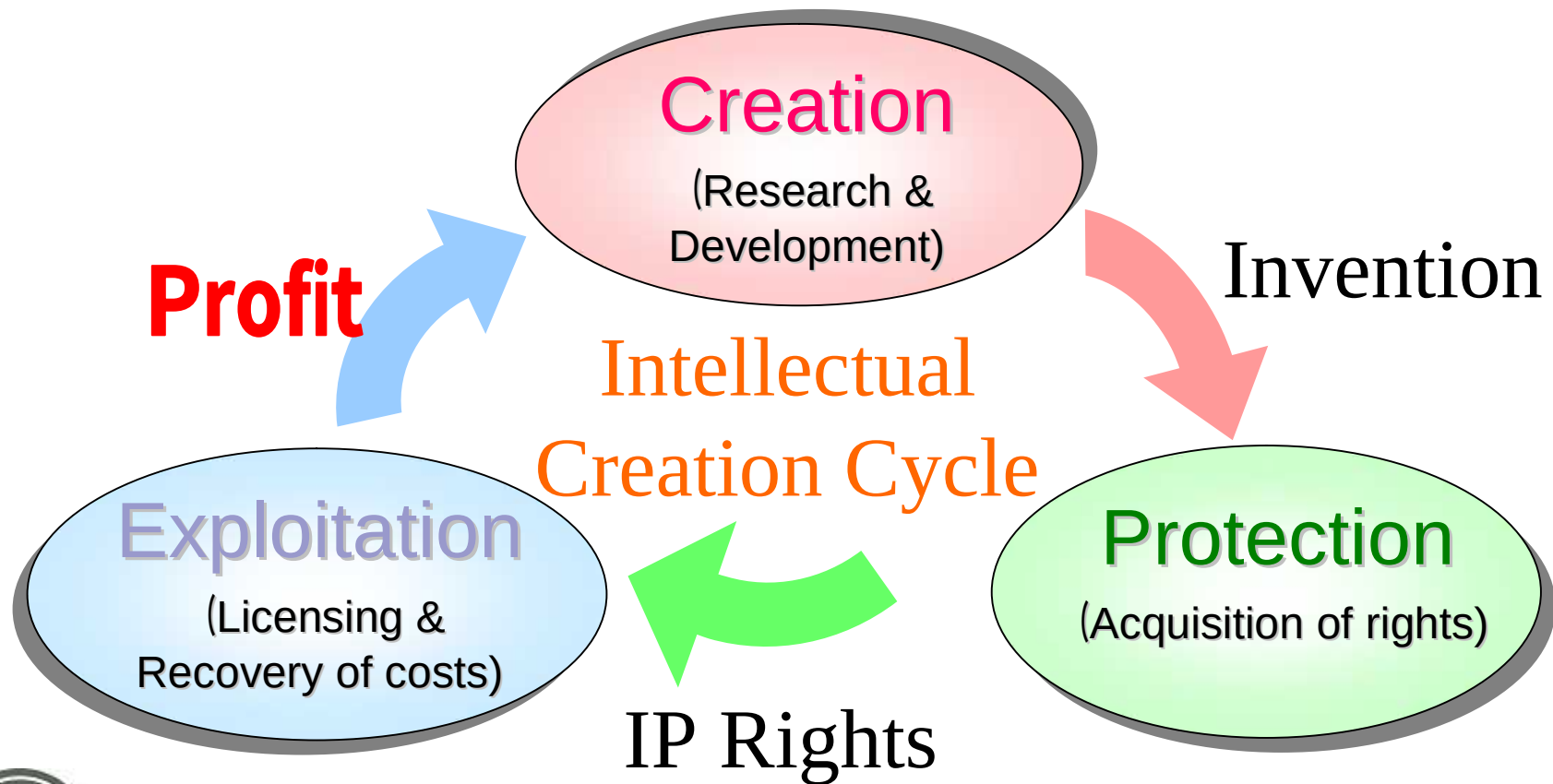


- The ratio of used patents is almost equal to as the one of unused patents in Japan.

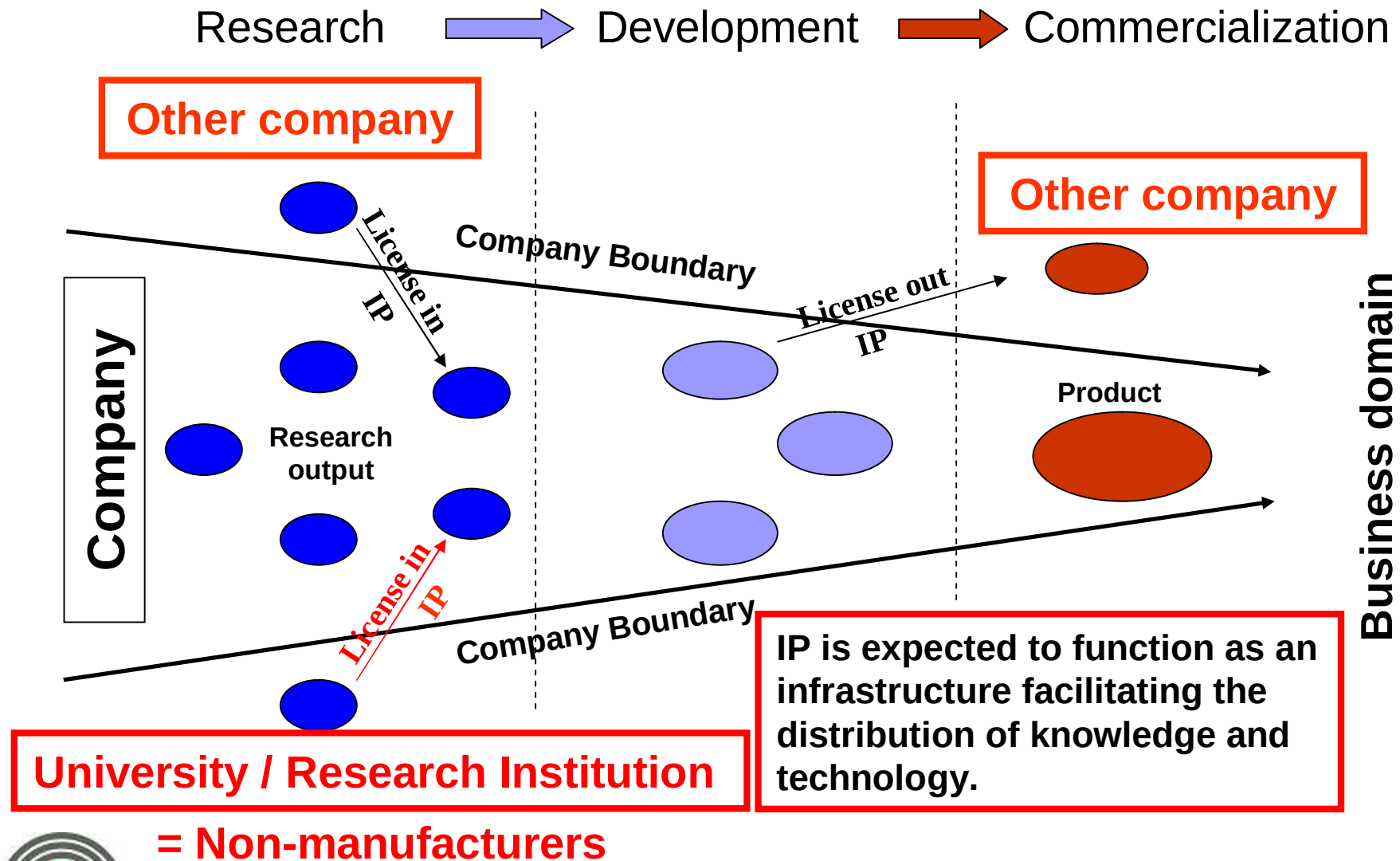
- Note: If it is owned simply to prevent others from entering the market or its use is just under consideration, it is regarded as unused.

Promotion of Intellectual Creation Cycle

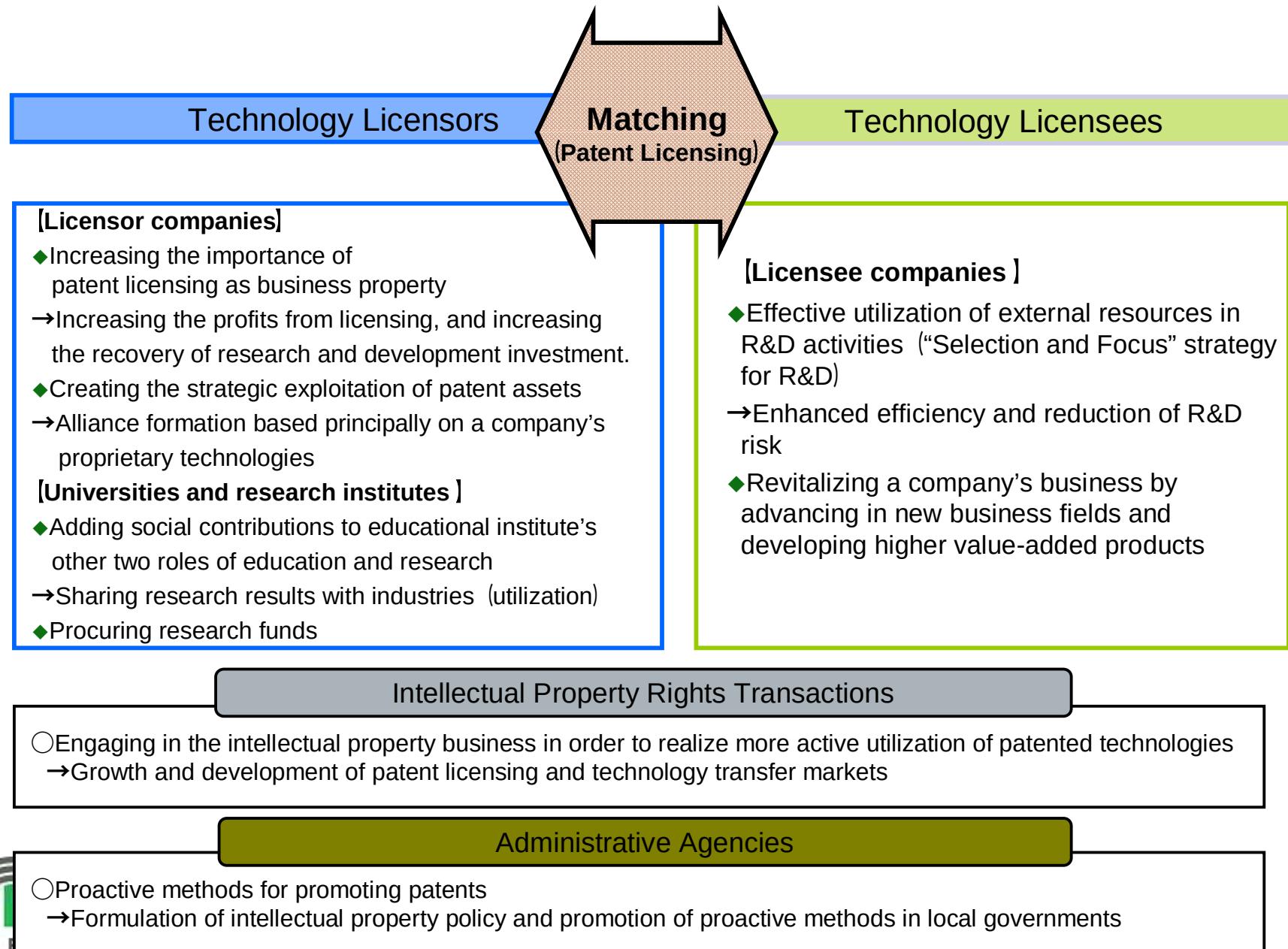
The “Intellectual creation cycle” is a cycle of creation / protection / exploitation of intellectual property that enhances Japanese international competitiveness and will transform Japan into an intellectual property-based nation.



Importance of Open Innovation



Potential Benefits of Patent Licensing

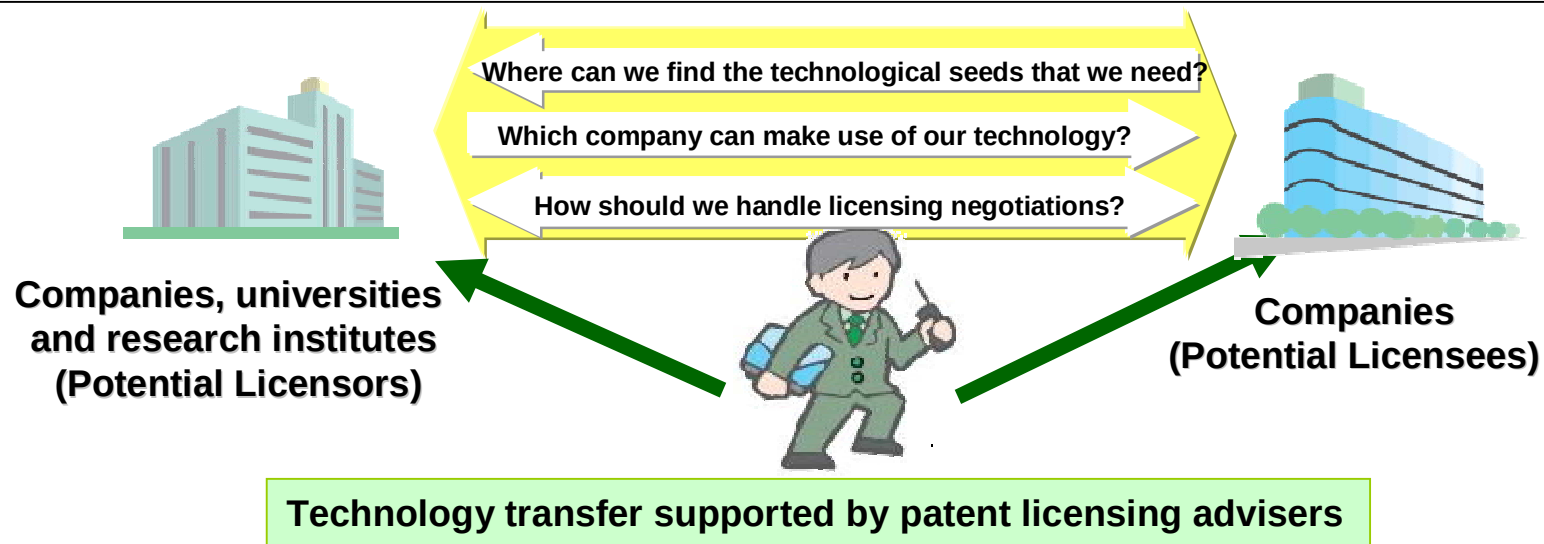


Projects for Encouraging Patent Licensing

- *Project 1: Promoting patent licensing through the active use of human resources*
 - Dispatching patent licensing advisers
- *Projects 2: Providing information on licensable patents and promoting the active utilization of those patents*
 - Building a patent licensing database
 - Building a research tool patent database
 - Dispatching patent information advisers
- *Projects 3: Supporting the development of businesses dealing in IPRs*
 - Providing a technology transfer company directory
 - Holding patent business markets
 - Holding international patent licensing seminars

Dispatch of Patent Licensing Advisers

- **83 Patent Licensing Advisers** provide a wide range of support services covering the whole process of technology transfer, from discovering licensable technologies and grasping technological needs to concluding licensing contracts.

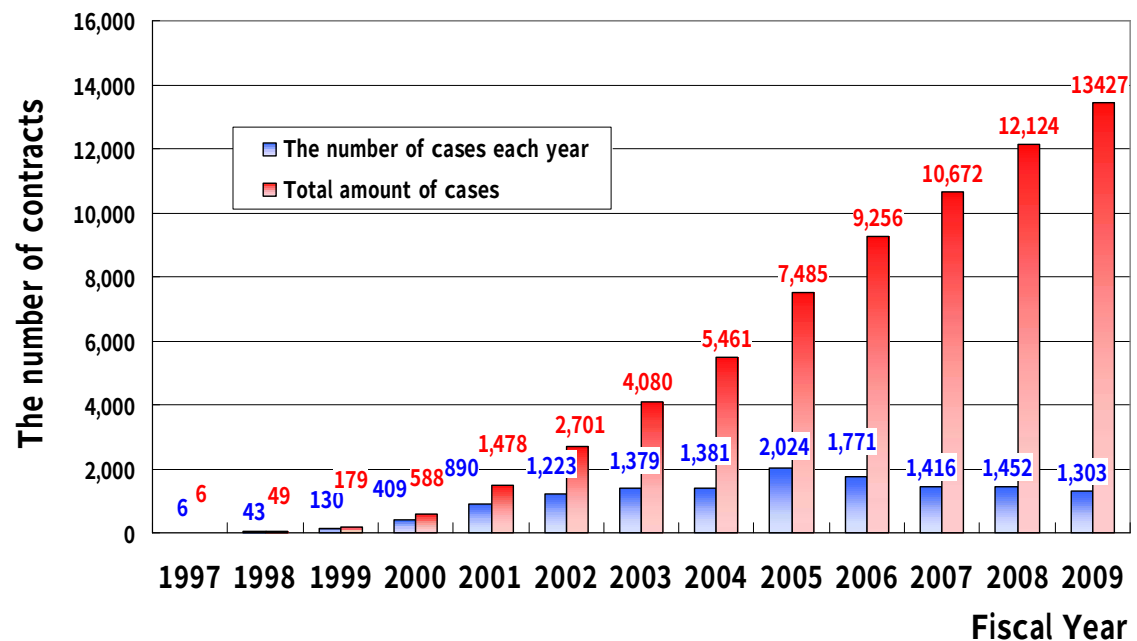


- ❑ Official specialists in technology transfer
- ❑ Dispatch 83 **Advisers** to local governments and TLOs all over Japan (September 2010)
- ❑ Collect information on technological needs and licensable technology seeds
- ❑ Give advice to make seeds match needs, negotiate and make contracts
- ❑ Consultation and advice: Free of charge

Project 1

Outcomes : patent licensing contracts

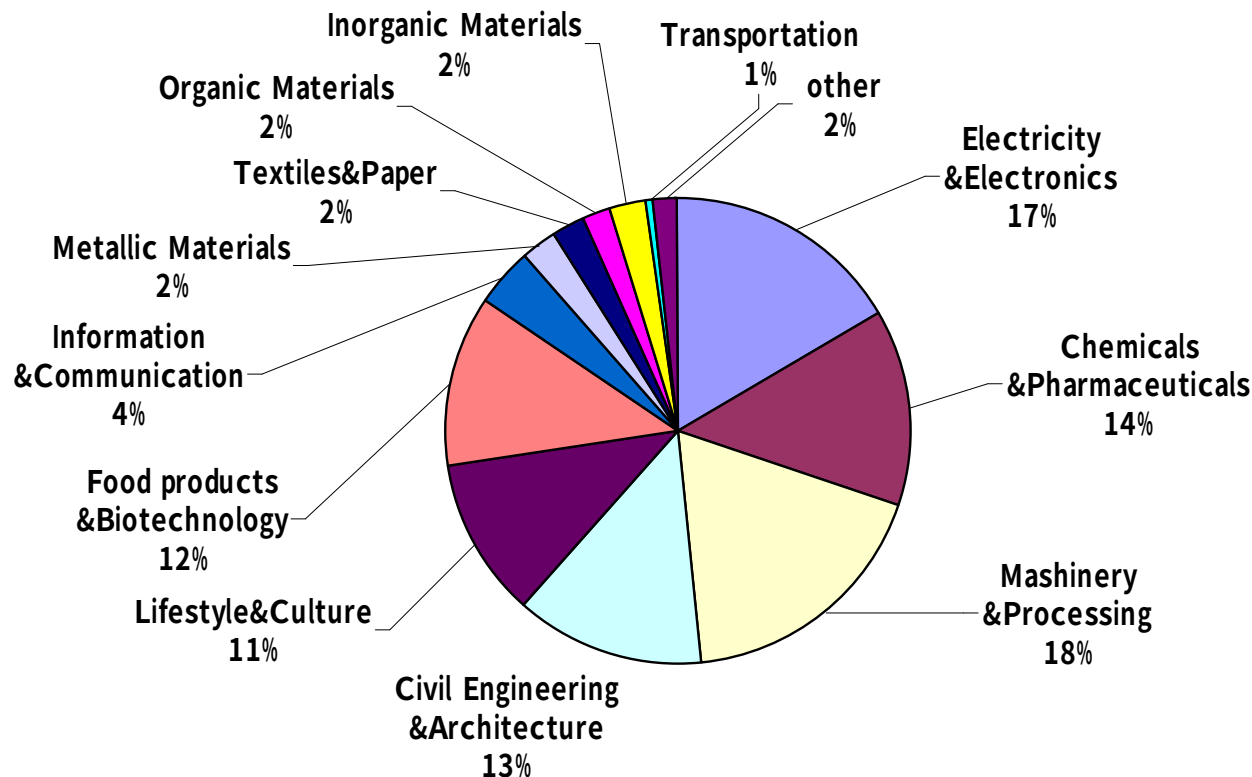
The total number of successful patent licensing contracts had reached **13,427** at the end of **March 2010** compared with only 6 at the initial offering of the service in 1997.



Successful Cases by Technical Field

- ❑ The successful cases shows that licensing was conducted in a wide variety of technical fields.

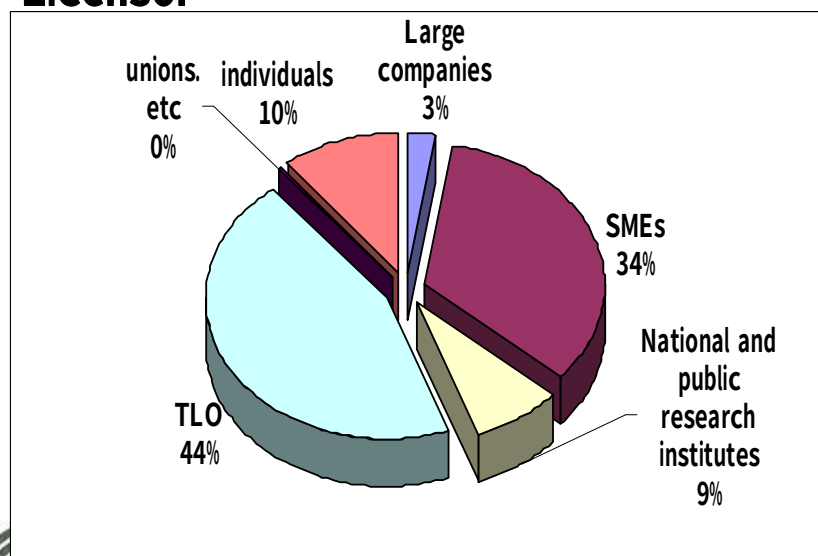
Distribution of the number of successful licensing businesses at the end of March, 2009



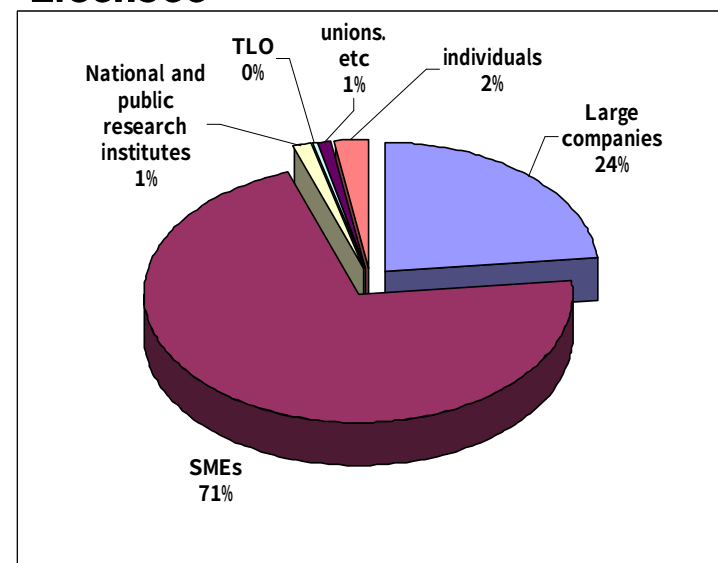
Distribution of Licensors and Licensees in Successful Cases

- ❑ The distribution of licensors and licensees in licensing agreements made through the Measures for Encouraging Patent Licensing is shown below.
- ❑ For licensors, the ratio of large companies was 26% at March,2000 but decreased in 2009 (3%), however the ratio of SMEs and TLOs increased.
- ❑ For licensees, the ratio of large companies has been increasing recently, but SMEs still represent a larger ratio(71%).

Licensor



Licensee

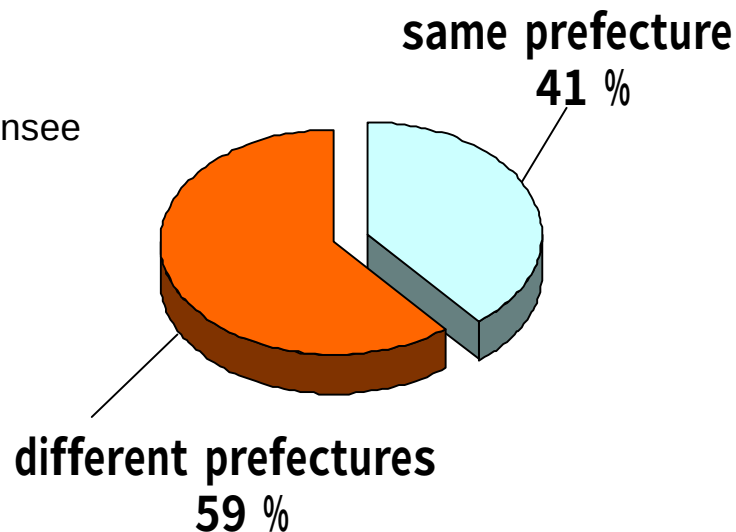


As of end of FY2009

Geographical relationship between Licensors and Licensee

- ❑ Patent licensing adviser's network is nationwide
- ❑ In principle, the patent licensing advisers dispatched to local governments support SMEs in their local government's area.
- ❑ But 59% licensors and licensees were successfully concluded licensing contracts with licensees and licensors in different local area by adviser's Network

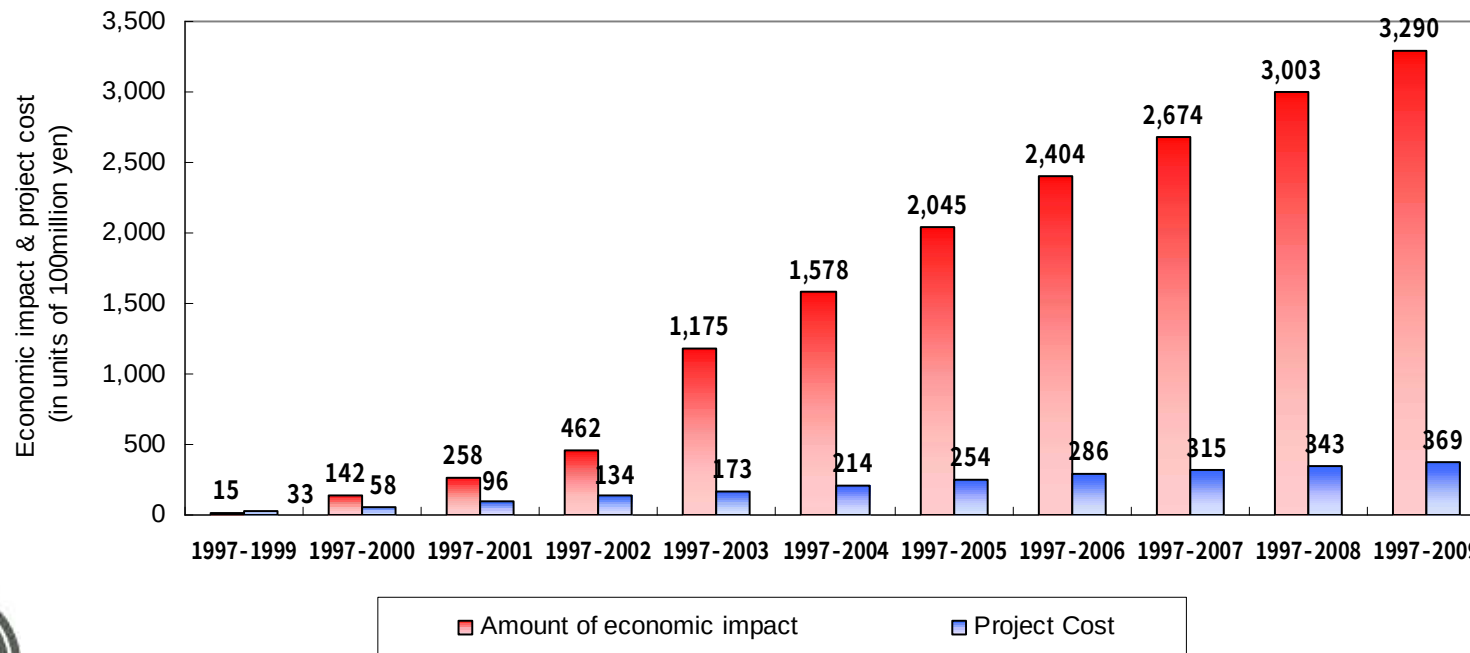
Geographical relationship
between Licensors and Licensee
at the end of March, 2009



Project 1

Outcomes : Economic Impact 1997-2009

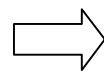
- ❑ INPIT conduct a follow-up inquiry about Economic Impact and Business Expenses of INPIT's policies
- ❑ The total impact had reached **¥ 329 billion** by the end of Dec 2009.
- ❑ It was 8.9 times as large as the total amount of invested costs.



Project 1

Example 1

Licensor: SB System Inc.
(V.B., Fukui Prefecture)



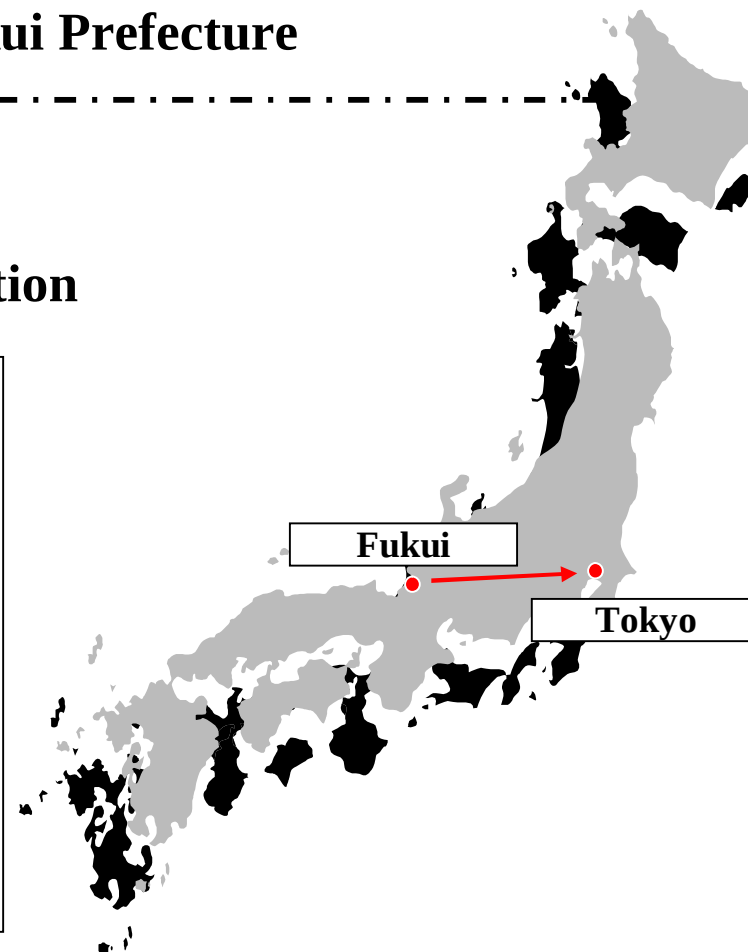
Licensee: Internet Initiative Japan Inc.
(LE, Tokyo)

via: AD dispatched to Fukui Prefecture

Patent No. 3943118

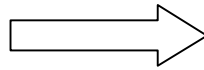
- “Treasure Map Method (TMM)”
- Technology for giving security of Information

<<Image>>



Example 2

**Licensor: Gifu University
(Prof. Miwa)**



**Licensee: Nac Corporation
(SME)**

via: AD dispatched to Chubu Area

Patent No. 3156058

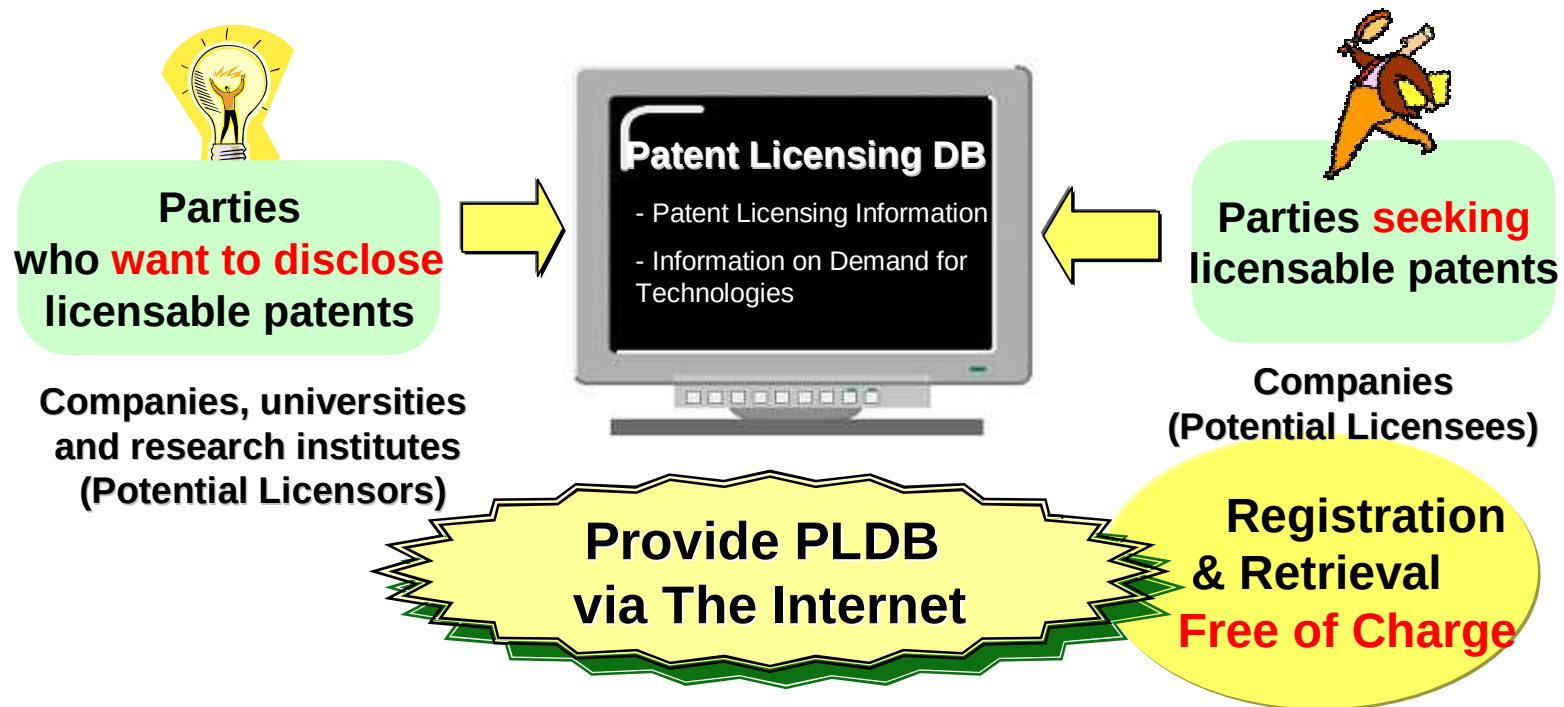
- Crazed film with selective horizon, and its manufacture approach

<<University – Industry Collaboration>>

- **Developing new products by applying some novel characteristics, of the crazed films.**
- **More than 40 patents were filed.**



Patent Licensing Database



- ❑ Database: one can retrieve, in only a single search, licensable patents of companies, universities and research institutes on the Internet.
- ❑ About **46,000 licensable patents** including 24,000 licensable patents from universities, TLOs and research institutes (July 2010)
- ❑ Potential Users: Anyone in the world (English version is available)

Project 2

Patent Licensing Database

Navigation:

To TOP To Result

1-20 affair in 122 affairs is under display

A list is displayed from the 1st th affair

next 20 [1/7]

- L201000167
- 1 **Text Input Device**
MITSUHIRO AIDA
- L201000159
- 2 **DNA CHIP FOR PREDICTION OF OCCURRENCE OF ---**
National Institute ---
- L201000043
- 3 **PET DEVICE AND METHOD FOR RECONSTITUTING ---**
National Institute ---
- L201000042
- 4 **GAMMA RAY DETECTOR AND METHOD OF ---**
National Institute ---
- L200906220
- 5 **ELECTRONIC APPARATUS WITH USABLE TIME ---**
IWAMOTO Masatoshi
- L200906219
- 6 **PERSONAL COMPUTER SYSTEM WITH USE TIME ---**
IWAMOTO Masatoshi
- L200904225
- 7 **Methods for Producing Alkyl Esters**
Sunho Biodiesel ---
- L200904110
- 8 **The solution for pickling, its ---**
Kiya Shigeru
- L200903697
- 9 **DEVICE FOR POURING DENTAL MIXTURE**
SATTECH LABORATORY
- L200903696
- 10 **DEVICE FOR POURING DENTAL MIXTURE**
SATTECH LABORATORY
- L200903040

close


Licence Information

Licensing Information Number L2010000159 **Registration Date** 2010/1/15 **The Newest Revision Date** 2010/1/15

▼ Technical Contents

Title DNA CHIP FOR PREDICTION OF OCCURRENCE OF LATE ADVERSE REACTION URINARY ORGAN AFTER RADIATION THERAPY, AND METHOD FOR PREDICTION OF OCCURRENCE OF LATE ADVERSE REACTION IN URINARY ORGAN AFTER RADIATION THERAPY USING THE SAME

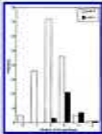
Supplied Main Patents:

Japanese Patent Number		
Application Number	PGT/JP2006/062297	Filing Date of Application 2008/7/7
Invention Name	DNA CHIP FOR PREDICTION OF OCCURRENCE OF LATE ADVERSE REACTION URINARY ORGAN AFTER RADIATION THERAPY, AND METHOD FOR PREDICTION OF OCCURRENCE OF LATE ADVERSE REACTION IN URINARY ORGAN AFTER RADIATION THERAPY USING THE SAME	
Applicant	National Institute of Radiological Sciences	
Patentee	Under application	

Related Japanese Patents	No	
Related Foreign Patents	No	
Technical field	Food and biotechnology	
Function	Safety and welfare measures	

Application product	
Purpose	
Advantage	

Technical Summary



Disclosed are a DNA chip and a prediction method for predicting the occurrence of a late adverse reaction in a urinary organ after C-ion RT. The DNA chip comprises a supporting means for supporting a DNA probe thereon; and two or more genetic markers supported on the supporting means. The prediction method comprises: a first step of hybridizing a genetic marker with labeled DNA prepared from a subject to be examined; a second step of identifying nucleotides of both alleles of the labeled DNA hybridized with the genetic marker; and a third step of determining the combination of the identified nucleotides of both alleles of the labeled DNA as being a risk genotype when the combination of the identified nucleotides corresponds to a specified combination, and predicting that the subject is predisposed to develop a late adverse reaction in a urinary organ after radiation therapy when the number of the risk genotypes is three or more and that the subject is not predisposed to develop a late adverse reaction in a urinary organ after radiation therapy when the number of the risk genotypes is two or less. The method enables to predict whether or not a subject is affected with a late adverse reaction in a urinary organ after radiation therapy.

▼ Technical Experience

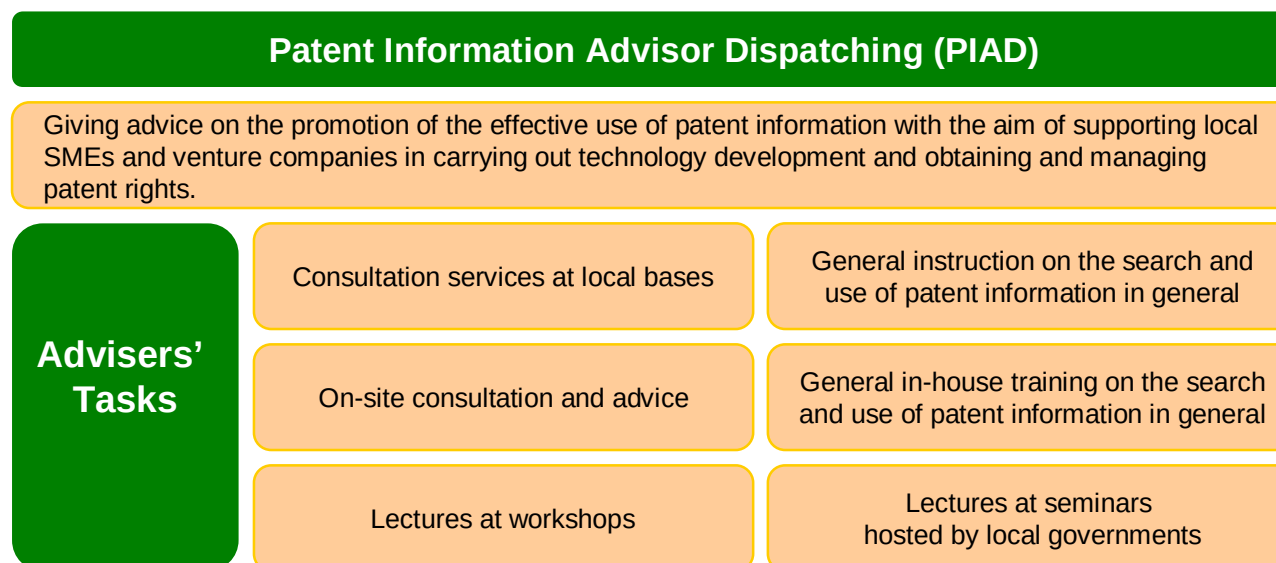
Actual working results	No	
Licensing Experience	No	

▼ Supplying Information

Search Result Page

Patent Information Advisors (PIA) (another Advisor for SMEs)

- ❑ In the current process of promoting the creation, protection, and utilization of IP, it is a key strategy to effectively use patent information, which contains both information on rights and information on the latest technologies.
- ❑ In order to help SMEs, universities, and research institutes effectively use patent information,
- ❑ **52 Patent Information Advisers (PIA)** are dispatched to local governments to respond to various requests regarding the use of patent information, holding workshops and giving instruction and advice on searching and using patent information (including demonstration of searching).



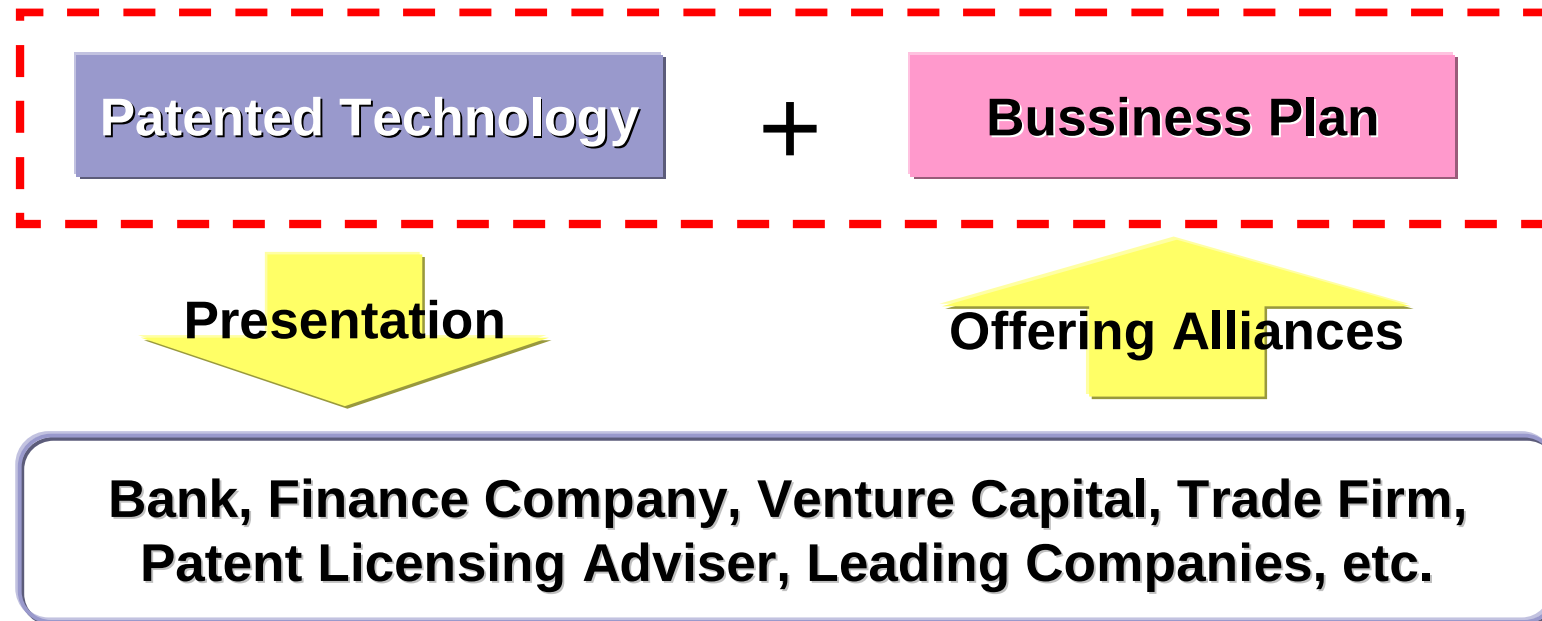
International Patent Licensing Seminars

- ❑ Keynote Speeches and Panel Discussions by foreign and Japanese technology transfer experts actively working in the frontline of business.
- ❑ Providing a place to acquire global Ideas on technology transfer as well as a forum enabling participants to build connections with technology transfer experts in Japan and overseas
- ❑ About **2,500 participants**, Including the members of the Association of University Technology Managers (AUTM) and of the Licensing Executives Society International (LESI)

Coming seminar ;
International patent Licensing Seminar 2011
January 24 – 25, 2011
Tokyo, JAPAN (Hotel Nikko Tokyo)
Registration free!



Patent Business Market



- ❑ Owners who have technological seeds, or licensable patents, present information on their technologies, business plan and contract basis, etc.
- ❑ Participants can make various kinds of alliances. (license contract, joint research, sponsor contract)
- ❑ The Patent Business Market is held 4 times a year
- ❑ The 8 Patent Business Markets held by local governments is supported in 2010.



***Thank you very much
for your attention!***



<http://www.ryutu.inpit.go.jp/index.html>