

# **Press Conference President of JST**

**September 8, 2017**



**Japan Science and Technology Agency**

# The Highlights of the Budget Request for 2018



Japan Science and Technology Agency

# Highlights of the Budget Request for FY2018 ①

JST will boldly promote challenging, disruptive, and breakthrough R&D as a unique network-based research institute that creates new trends of innovation, based on the “HAMAGUCHI Plan”, the president’s initiative for the reform, announced in FY2016. JST is also actively responding to national policies of “the 5th Science and Technology Basic Plan”, “Future Investment Strategy 2017”, and “Comprehensive Strategy on Science and Technology and Innovation 2017,” pursuing challenging and high-risk R&D to realize our ideal society.

## ● Budget Request for FY2018 ( Budget for FY2017)

→13.4% Increase

Government Expenditure	115.5 billion ( 101.9billion)
Operational grant	151.1 billion ( 101.9 billion)
Facility maintenance grant	5.0 billion ( 0.5billion)

※Total will not correspond due to rounding.

# Highlights of the Budget Request for FY2018 ②

## (1) Promoting Challenging and High-Impact R&D

- Expanding JST-Mirai R&D Program 8.5 Billion (3 billion) Increase

## (2) Accelerating Open Innovation Industry, Academia, and Government

- Expanding Program on Open Innovation Platform with Enterprises, Research Institute and Academia(OPERA) 2.4 Billion (1.2billion) Increase

## (3) Promoting Strategic Basic Research

- Expanding Programs for Creating the Seeds for New Technology 47 Billion (45.8 billion) increase

## (4) Promoting R&D with Collaboration with Industry and Academia

- Expanding Adaptable and Seamless Technology Transfer Program (A-STEP) 9.1 Billion (8.1 billion) increase

## (5) International Collaborative Research and Communications

- Expanding Science and Technology Research Partnership for Sustainable Development (SATREPS) 1.9 Billion (1.7 billion) increase
- Expanding Japan-Asia Youth Exchange Program 3.8 Billion (1.9 billion) increase

\* Amount of budget request for 2018 and figure in ( ) shows budget for 2017,

\* Both indicate estimated amounts within operational grand.s

(Unit: billion yen)



# Progress Report: JST-Mirai R&D Program

The aims of the project are to promote R&D that challenges novel subjects and to create the values of future society that realize economic and social impact. We called for proposals from June 7 to July 19, 2017.

**621 R&D Proposals were applied**



**Announcement for selected Proposals  
in late October (Tentative)**

## Small Start Type:

Area	Themes
Realization of a Super Smart Society * Akira MAEDA	Building a service platform for creation of new services by collaboration and cooperation
Realization of a Sustainable Society * Hideyo KUNIEDA	Innovation in manufacturing for new process of sustainable resource recycle  Improving intellectual capability to enhance "a Socially Active Life" for overcoming the reduction in labor force
Realization of the Most Safe and Secure Society * Kenichi TANAKA	Development of the crisis navigator for individuals  Creation of "humane service" industries
Realization of a Low Carbon Society, a global issue * Kazuhito HASHIMOTO	Realization of a low carbon society through "game changing technologies"

\* R&D Supervisor

## Large Scale Type:

### Technical Themes

Laser-plasma acceleration technologies leading to innovative downsizing and high energy of particle accelerators

High-temperature superconducting wire joint technologies leading to innovation

Quantum inertial sensor technologies leading to innovative high precision and downsizing of self-localization units

**Calls for R&D Proposals starts in early June**  
**Small Start Types**

Terms for R&D: Up to 3 years

Grant for R&D: 20 million JPY yearly for a subject

**Large Scale Types**

Terms for R&D: About 10 years

Grant for R&D: 300–600 million JPY yearly

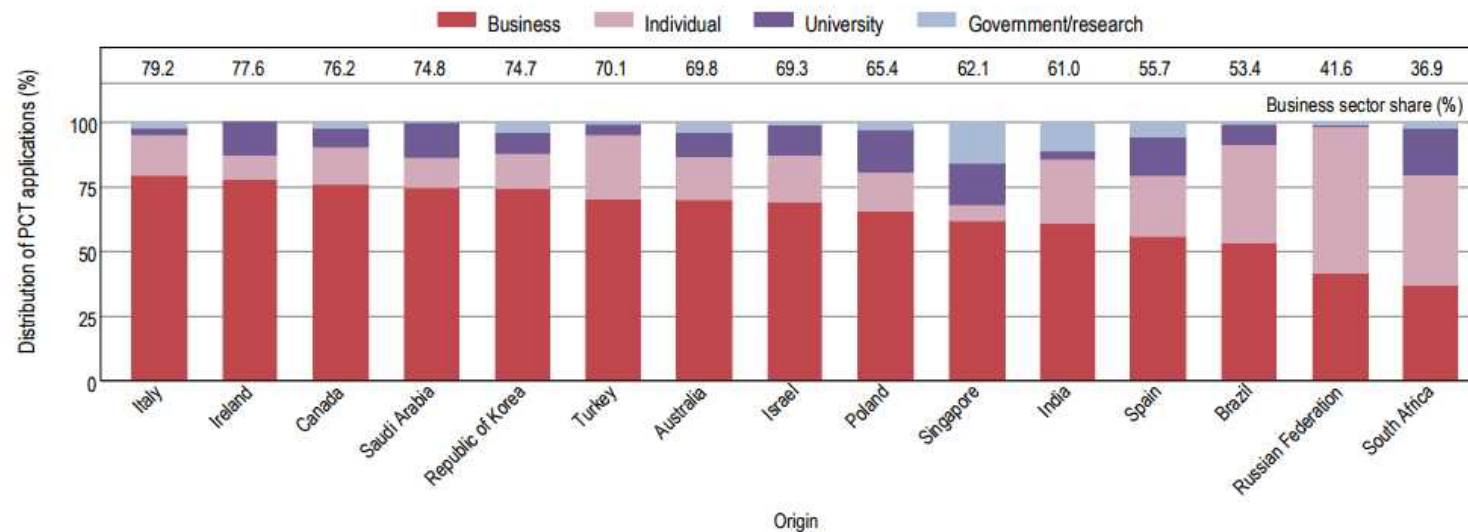
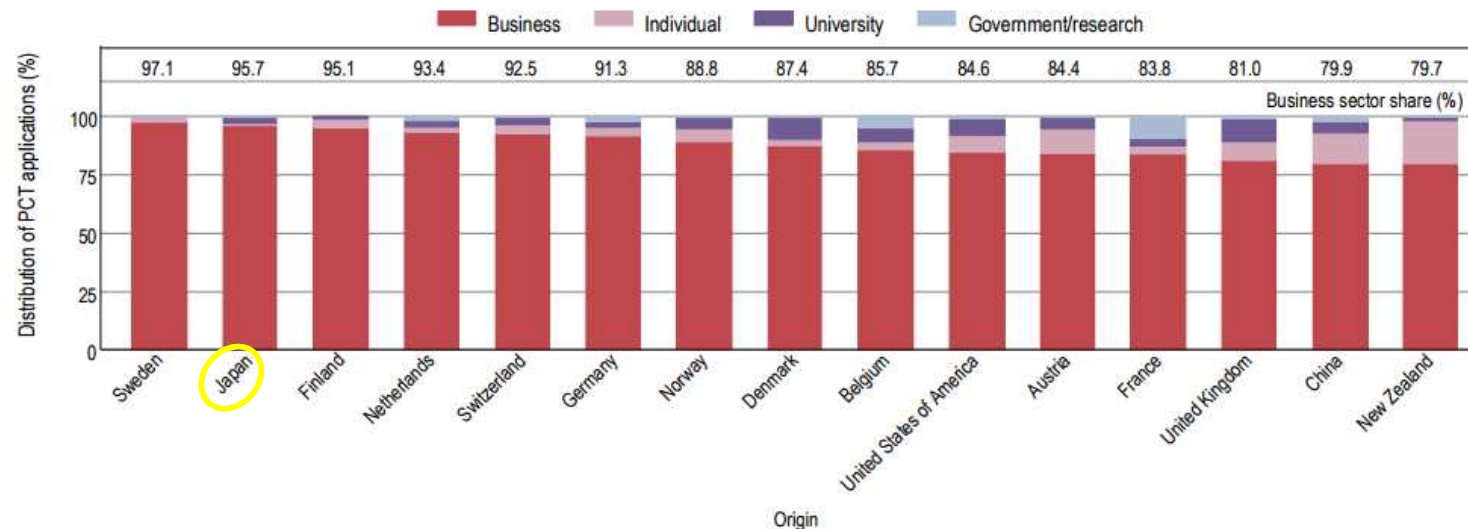
See more detail: <http://www.jst.go.jp/mirai>

# **PCT Application Status by Main Countries From WIPO Data**



**Japan Science and Technology Agency**

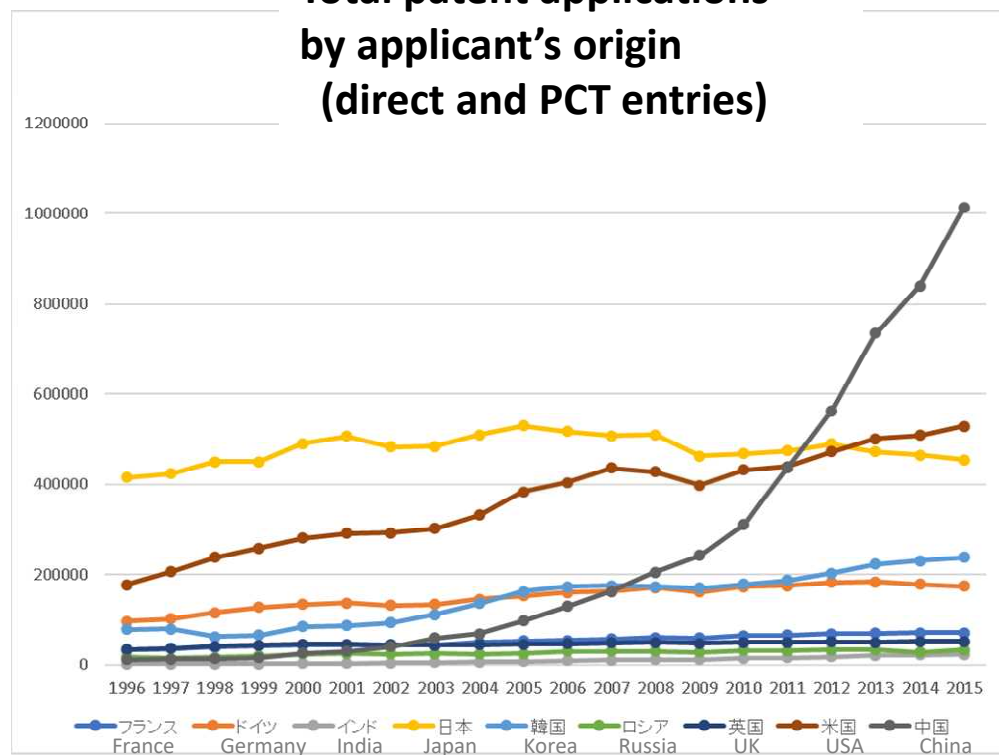
# PCT Applications by Applicants' Sectors





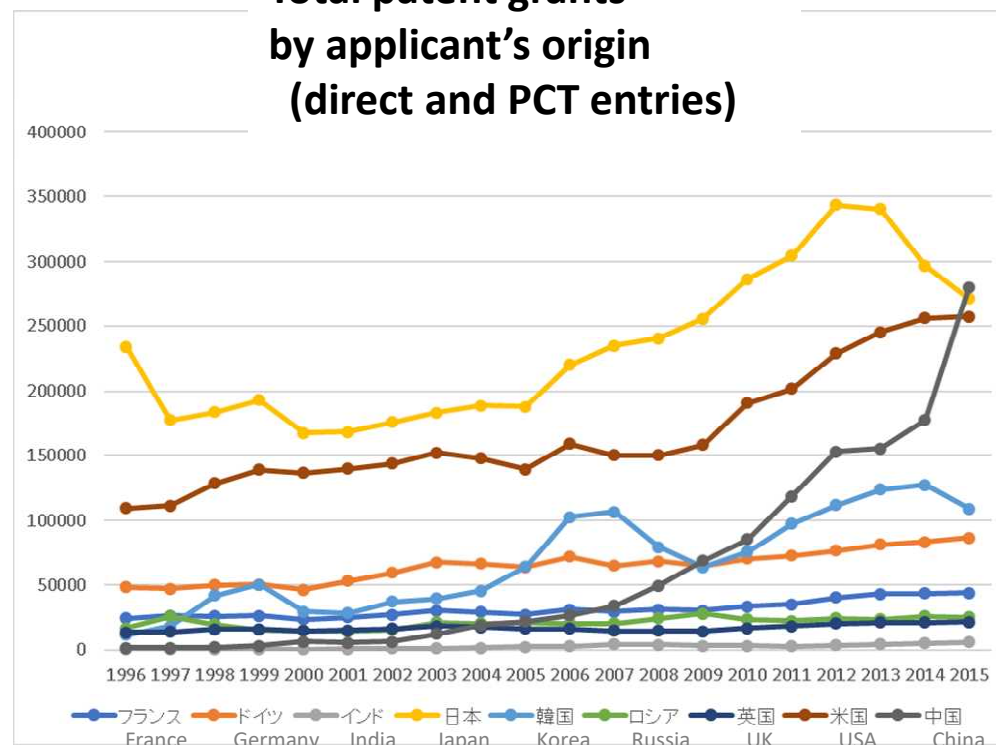
# Total Patent Applications and Grants by Applicants' Origin

**Total patent applications  
by applicant's origin  
(direct and PCT entries)**



JST Office of Information Analysis compiled data based on “Total patent applications, and Total count by applicant's origin” in WIPO statistics database (February 2017)

**Total patent grants  
by applicant's origin  
(direct and PCT entries)**



JST Office of Information Analysis compiled data based on “Total patent grants, and Total count by applicant's origin” in WIPO statistics database (February 2017)