



JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE
日本学術振興会

The 5th WCRI
Amsterdam
May, 2017

Promotion of Sound Research Activities --- JSPS's Approach



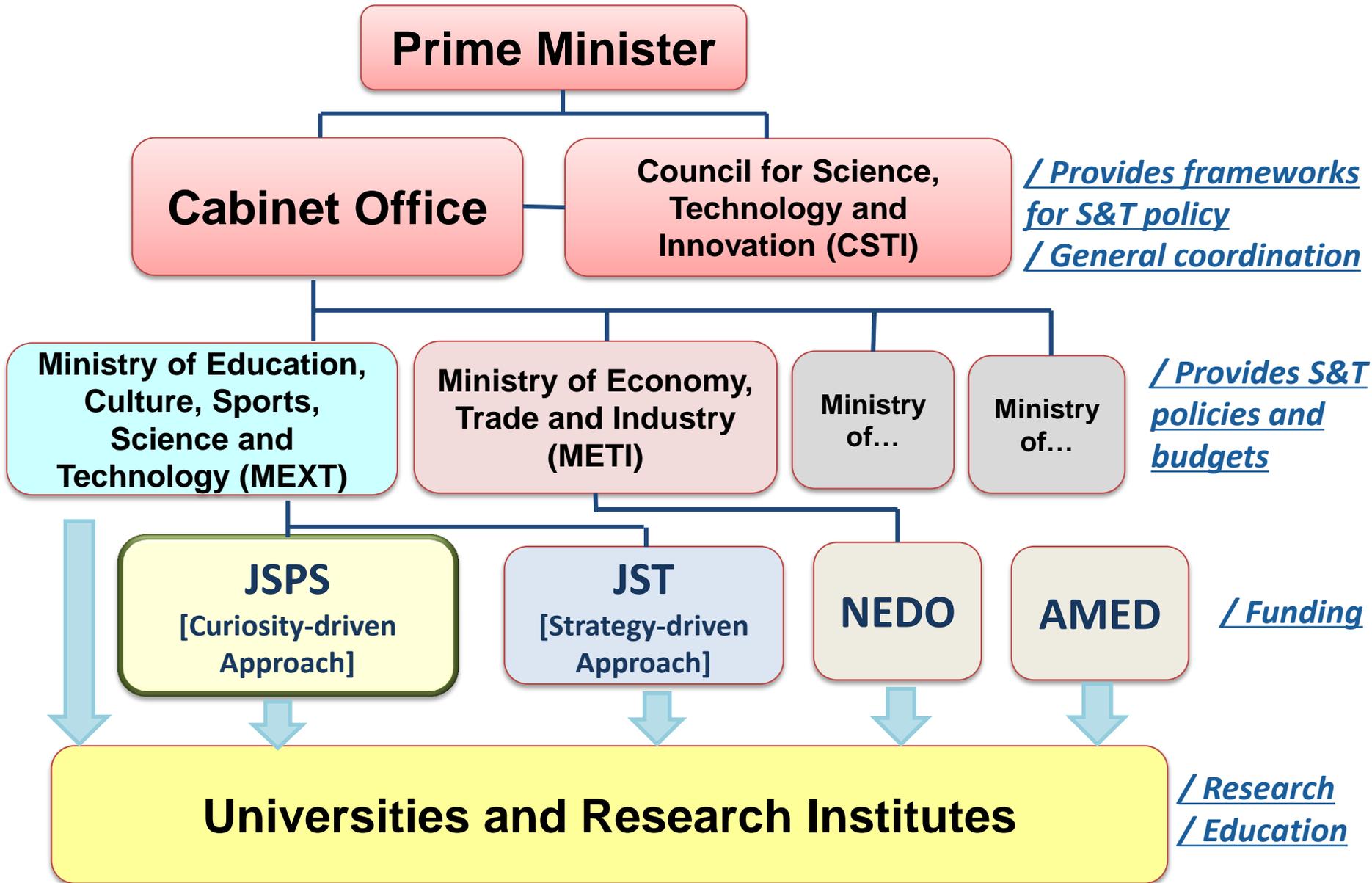
Yasuhiro Iye

Executive Director,

Japan Society for the Promotion of Science

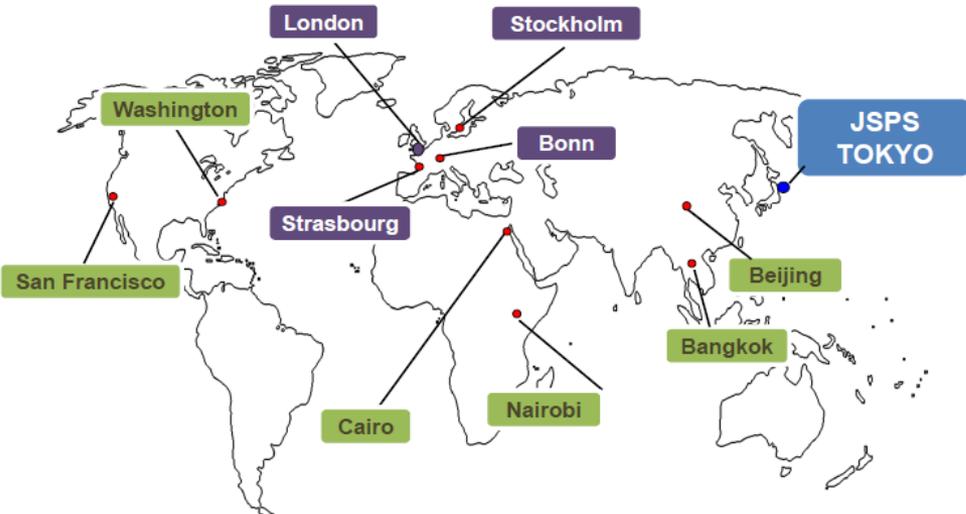


Research Funding Scheme in Japan



Researchers

- to fund research projects
Grants-in-Aid (KAKENHI)
- to nurture young scientists
JSPS Fellowship Programs
- to promote international exchange
10 overseas offices



Grants-in-Aid for Scientific Research (KAKENHI)

- ✓ Japan's biggest competitive research fund
~230 billion yen/year (~2 billion US\$)
- ✓ Encompasses all research fields (humanities, social sciences and natural sciences)
- ✓ Bottom-up research project based on the applicant's original idea, planning and initiative
- ✓ Merit-based screening by peer review system

100,000 New Grant Applications/Year

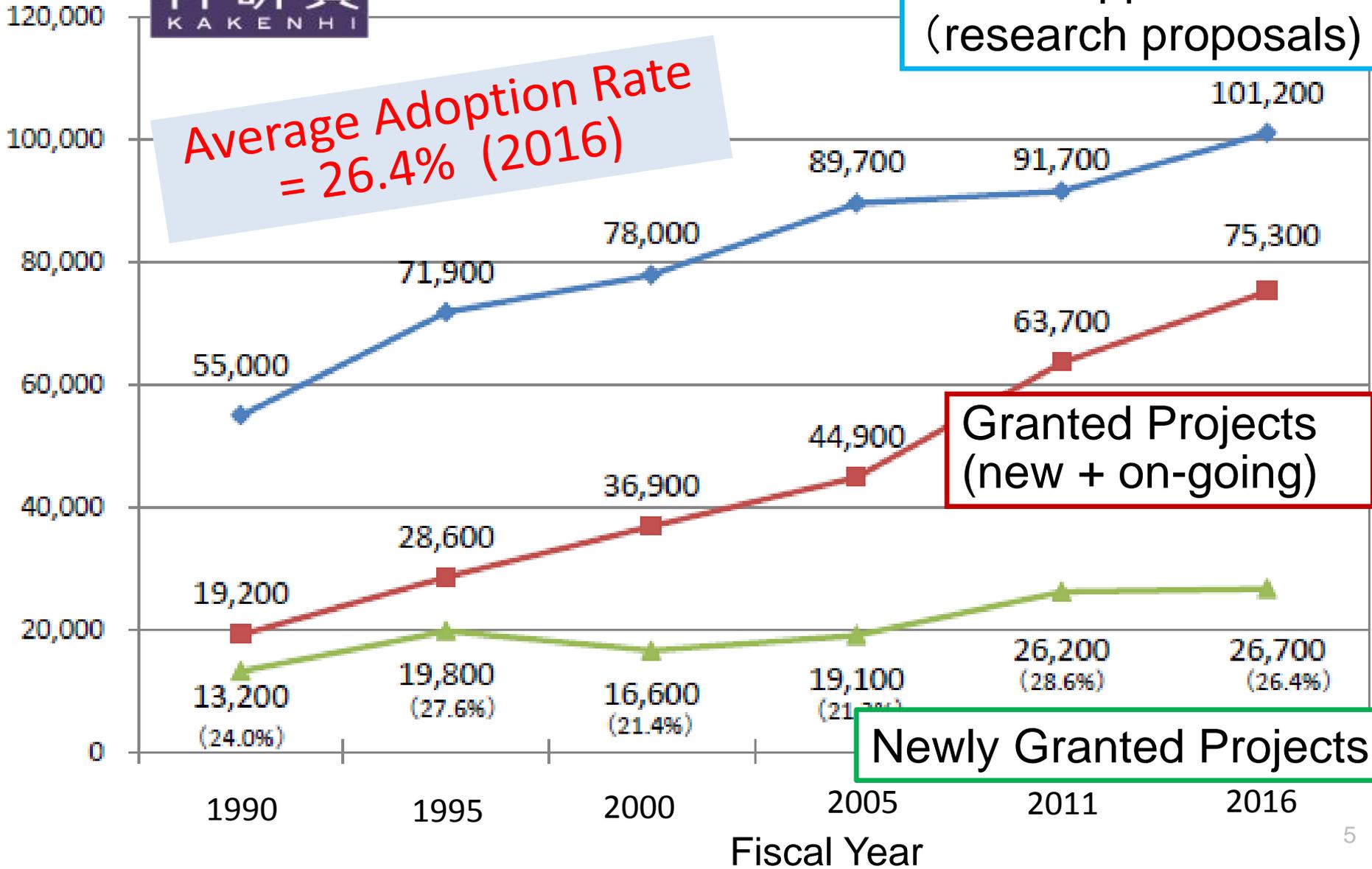
科研費
KAKENHI

New Applications
(research proposals)

Average Adoption Rate
= 26.4% (2016)

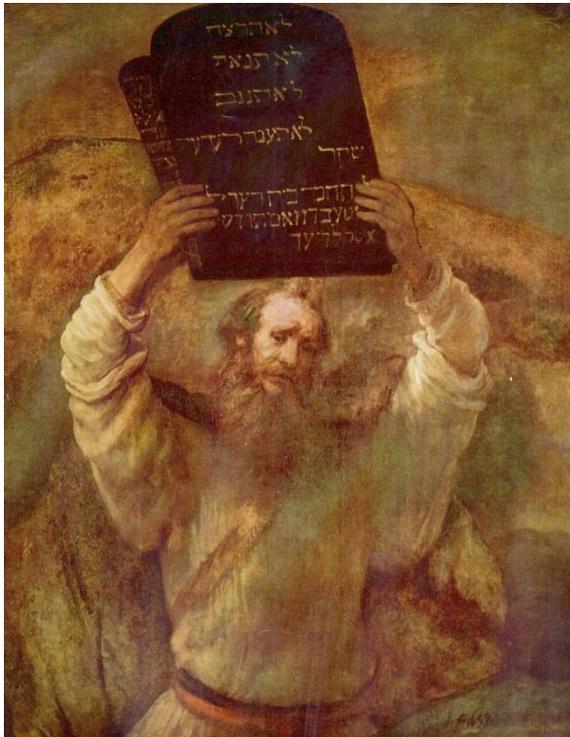
Granted Projects
(new + on-going)

Newly Granted Projects



Three Commandments

The basic research ethics against misconduct (FFP) and other questionable research practice (QRP) are nothing other than commonsense moral codes, such as “**thou shalt not lie**” and “**thou shalt not steal**”.



Rembrandt van Rijn

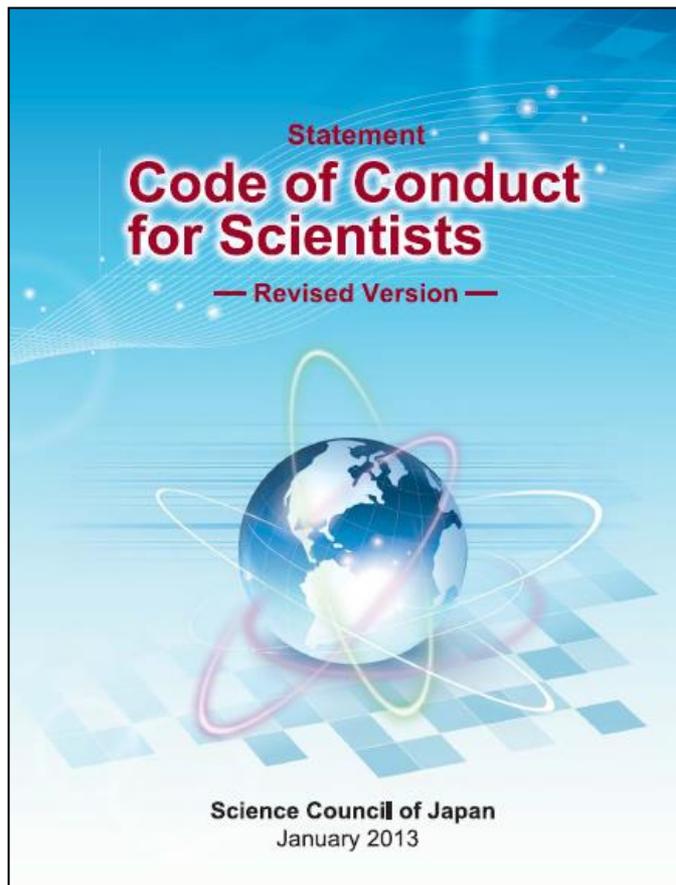
**THOU SHALT NOT
MAKE UP OR
FIDDLE WITH DATA**

**THOU SHALT NOT STEAL
ORIGINAL IDEAS OR
WORKS OF OTHERS**

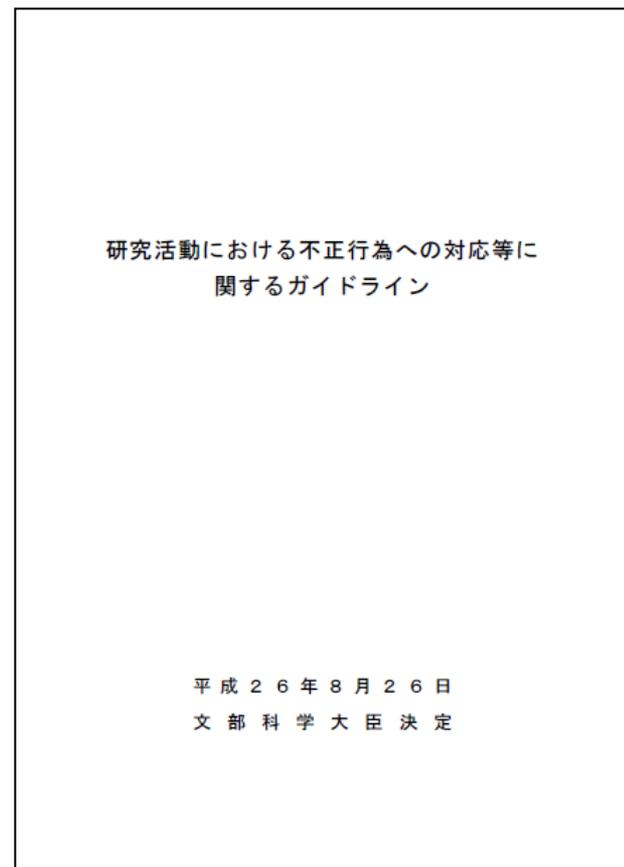
THOU SHALT PLAY FAIR

Call for Attention

“Code of Conduct for Scientists”
(revised version)
Science Council of Japan (SCJ)



“Guideline on Countermeasures
for Research Misconducts”
MEXT



Characteristic Research Misconduct in Different Fields

<Life Science>

cosmetic surgery of image data
improper statistical processing

<Engineering>

falsification of test data

<Medical & Pharmaceutical Science>

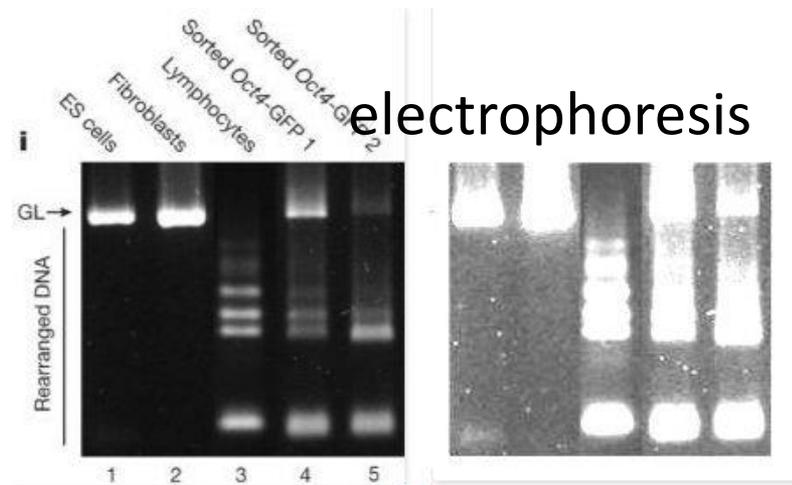
falsification of clinical trial data

<Social Science>

manipulation of survey data

<Humanity, Social Science>

plagiarism, improper quotation



Besides the overall call for attention, discipline-specific measures and good practices should be worked out by the research community.

Education of Research Ethics



e-Learning Course on Research Ethics (eL CoRE)

“the core”
= the basic stance that every practicing researcher should embody

"For the Sound Development of Science-
The Attitude of a Conscientious Scientist"
aka “the green book”

Rules in relation to KAKENHI funding

Completion of research ethics course (either by textbooks or e-learning) is the pre-requisite for a Grants-in-Aid applicant.

If research misconduct is suspected, the research institute should conduct investigation of the case without delay.

The individual who are judged as guilty of research misconduct is suspended from grant application for a prescribed period depending on the gravity of the misconduct.

Proactive Measures

Every single misconduct takes a heavy toll of research resources and damages the social capital of science community.

There are neither panacea nor wonder drugs against research misconducts.

Proactive “health care” is the key.

- Cultivating ethical awareness by education
- Open research atmosphere
- Con + Science  Conscience
concerned, concordant

Thank you!



<http://www.jsps.go.jp/english/index.html>