JSAP Vision for the Scientists of Tomorrow

**GOAL**

Diversity/Mobility
Leading the field internationally

- **Leaders**
  - Prime Ministers with degrees in science or engineering
  - Policy makers

- **Executives**
  - Directors of universities (domestic and foreign)
  - Top researchers
  - Top managerial posts in companies

- **Entrepreneurs**
  - World-class entrepreneurs
  - Business managers
  - Entry of post-doc researchers into companies

- **Researchers**
  - World-class researchers (e.g. Nobel-prize winners)

- **Lawyers**

- **Journalists**
  - Science communicators
  - Science coordinators

- **Engineers**
  - Highly skilled engineers

- **Teachers/professors**

**Spotting and cultivating talent for science**

- Improving perceptions in society toward science and engineering
  - Promoting deeper understanding of "craftsmanship" in science
  - Holding public lectures/seminars
  - Science classes for mothers

- Publicizing attractive aspects of specializing in science, engineering

- Nurturing female leaders in science and engineering

- Providing career support for female researchers
  - Supporting home offices etc. (mobile researchers)
  - Making use of IT to diversity working styles
  - Providing facilities for working mothers (e.g. nurseries)

**Towards a society where scientists and engineers can be given diverse opportunities**

- Promotion of scientists’ status in different sectors
  - Politics, civil service, journalism, industry, law
  - Policy makers and copyright lawyers with degrees in science and engineering

- Increase in the number of independently-minded scientists who can compete on the world stage
  - Establishing international research centers and giving opportunities to young researchers to take a leading role (in research and management)
  - The number of female researchers to reach 20% by 2030

- Investment in creative new industry
  - Pioneering business ventures from Japan

- Diverse employment opportunities for scientists and engineers
  - Promoting a variety of career paths

**To produce scientists who can lead the field of science and technology on a global level**

2005  |  2010  |  2020  |  2030  |  2040
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**Activities of the JSAP**
- Senior volunteers
- Promoting technology and science to the general public
- Committees
- Symposiums (75th anniversary project)
- Science Policy
- Promotion of Industry-university collaboration
- Support for young researchers
- Support for female researchers
- Education Policy
- Invitation to consider study of natural science as longer-term goal
- Promoting science subjects

**Graduate School**

- Database of post-doc researchers
  - Providing information about tenure posts
  - Supporting multi-career paths
  - Sending doctors to schools to deliver classes

- University reform
  - Enthusing the children with an interest in science
    - Role models
    - "Challenge" Campaigns
    - Teachers with degrees in science and engineering
    - Company researchers delivering classes
    - Visit to companies

**Secondary**

- Delivery of classes

**Primary**

- Joint classes for parents and children
  - Participation of senior volunteers ••• supports by the JSAP

Cultivating the youth to become scientists of tomorrow