

**Inspiring young people to build a  
better society for a better future:  
goals and principles**

**Activities of  
JAXA Space Education Center**

**Presentation by T. Chiku  
Space Education Office  
Japan Aerospace Exploration Agency**

**14 October 2005, Fukuoka, Japan  
UN/IAF Workshop on “Space Education and  
Capacity Building for Sustainable Development”**

# **Mission Statement**

**JAXA established its Space Education Center to:**

**“Assist young people to have broad minds and insights for a better future”**

**-Using JAXA’s knowledge and techniques acquired through the exploration and use of outer space.**

**-Focusing on support for teachers in their classrooms at primary and secondary schools.**

# **ORGANIZATIONAL FACTS**

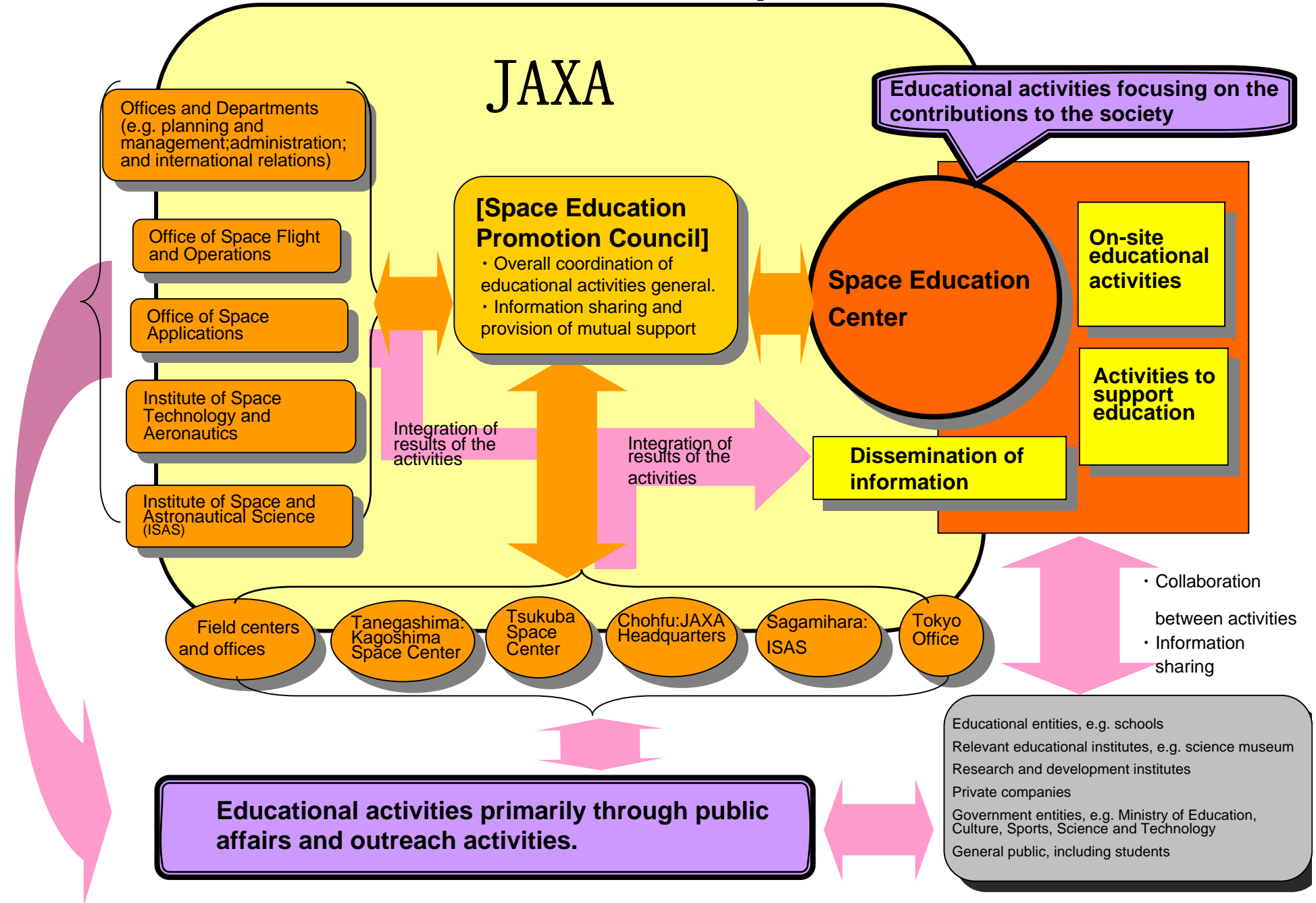
**Establishment of the Space Education Office: 1 May 2005**

**Opening day of the Space Education Center: 19 May 2005**

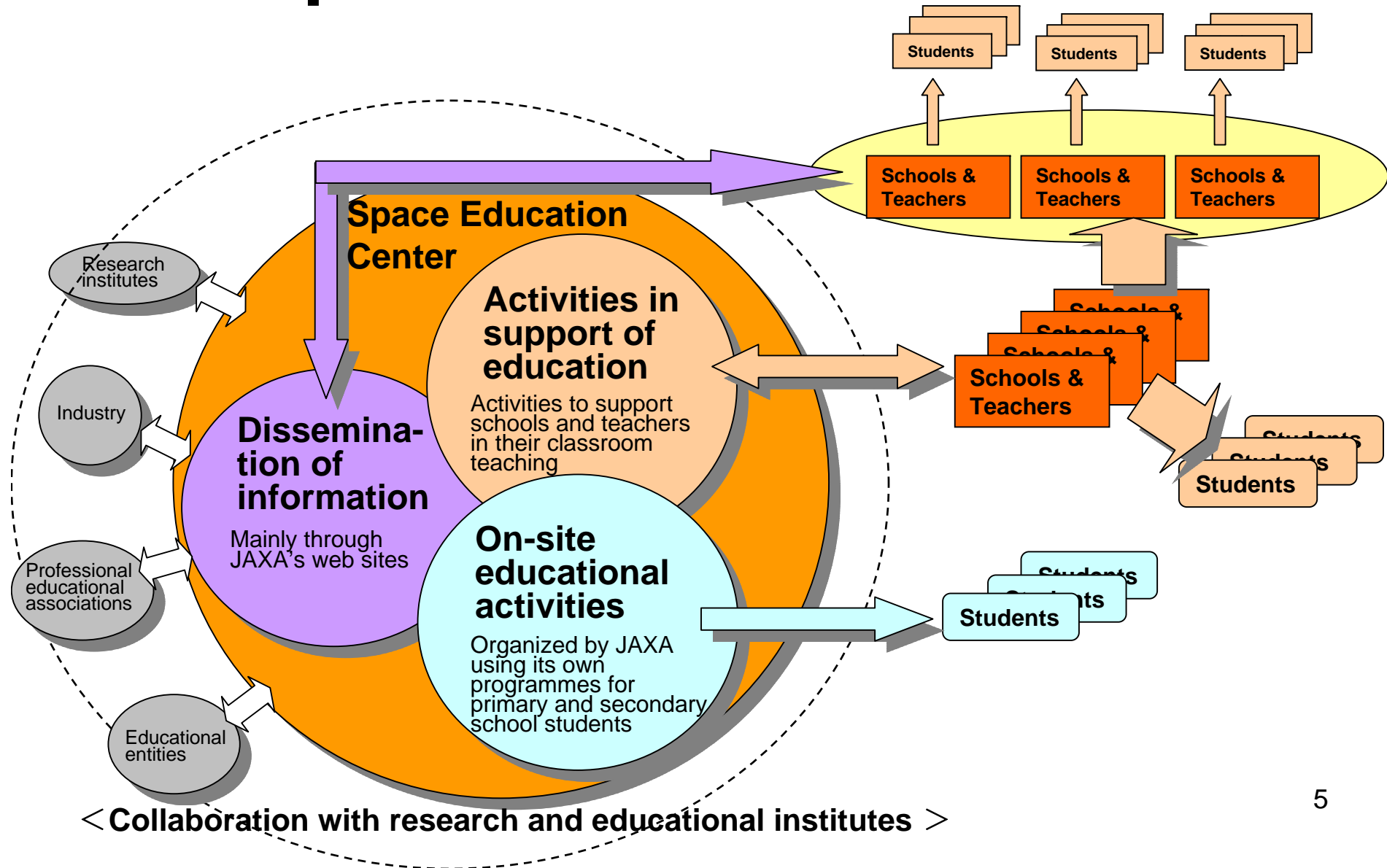
**Location: Sagamihara, Kanagawa**

**Management: Yasunori Matogawa, Associate Executive Director  
Director of the Space Education Center;  
Katsumi Watanabe, Director, Space Education Office;  
Staff of the Space Education Office: 9 staff members**

# JAXA Education Activities and Space Education Center



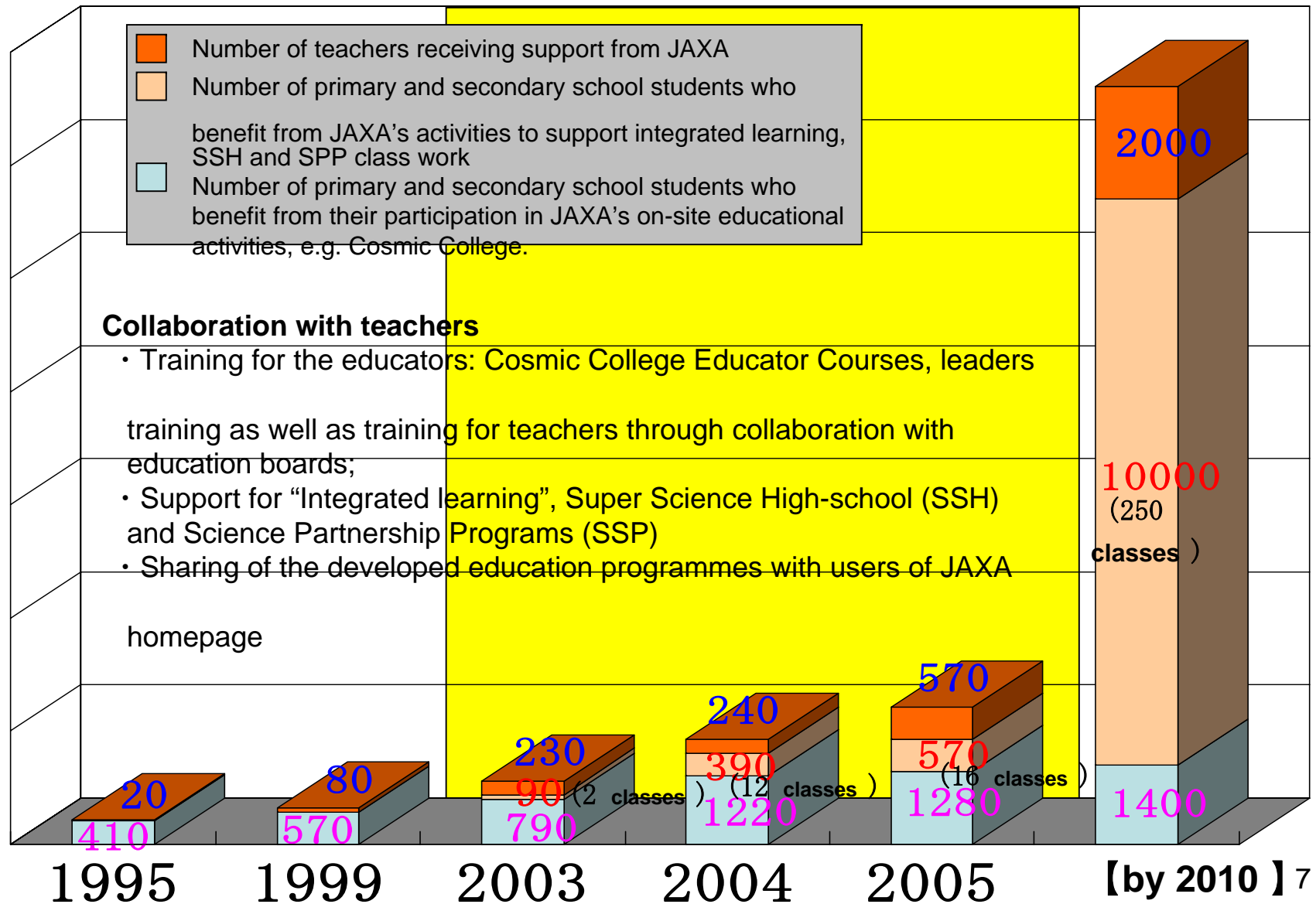
# Activities of the Space Education Center



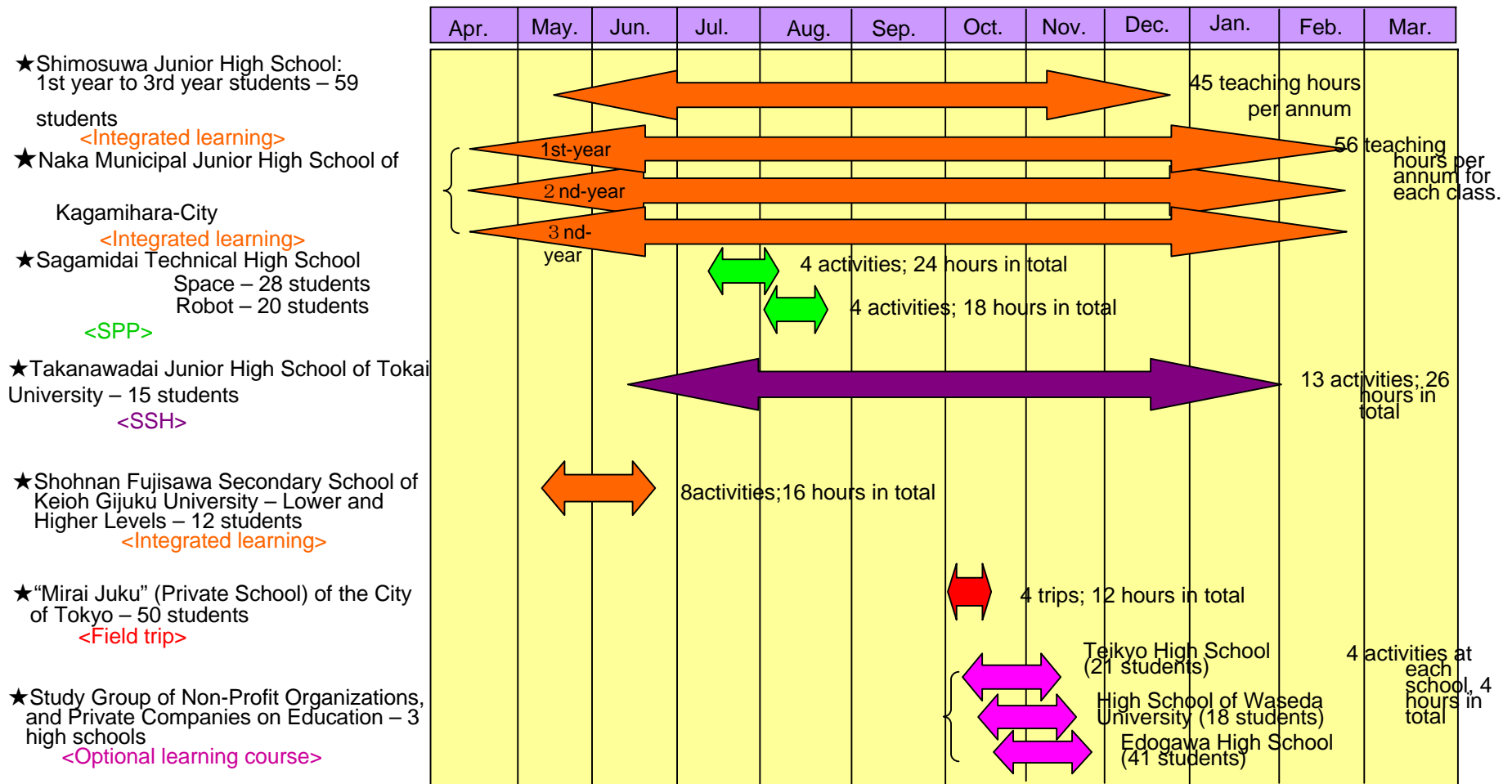
# Principles of JAXA Education Programmes

- ① **Understanding of the thinking process behind the knowledge**
  - ☆ **Unknowns of the nature and its exciting features**
  - ☆ **“ Importance of life”**
  
- ② **Increasing appreciation of “Science” and “Technology”**
  - ☆ **As an important part of acquiring insight**
  - ☆ **Mastering the scientific and logical thinking process**
  - ☆ **Spirit of “Never Give Up”**
  
- ③ **Increasing awareness of the importance of contributing to “building a prosperous future”**
  - ☆ **Responsibility as a member of the society**
  - ☆ **Importance of contributing to the society**

# Achievements and Medium-Term Goals



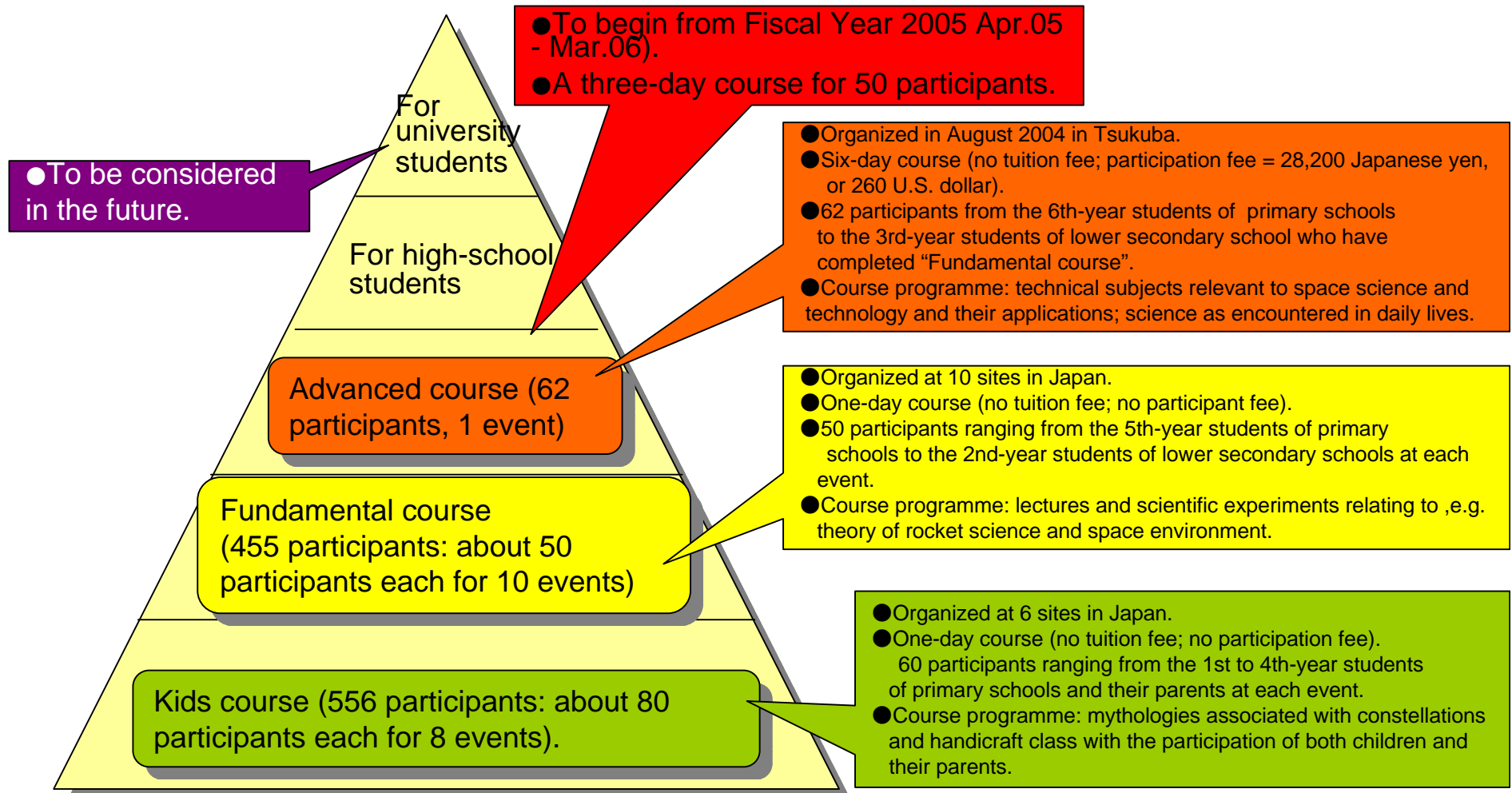
# Activities in Support of Education: Achievements (Year 2004)



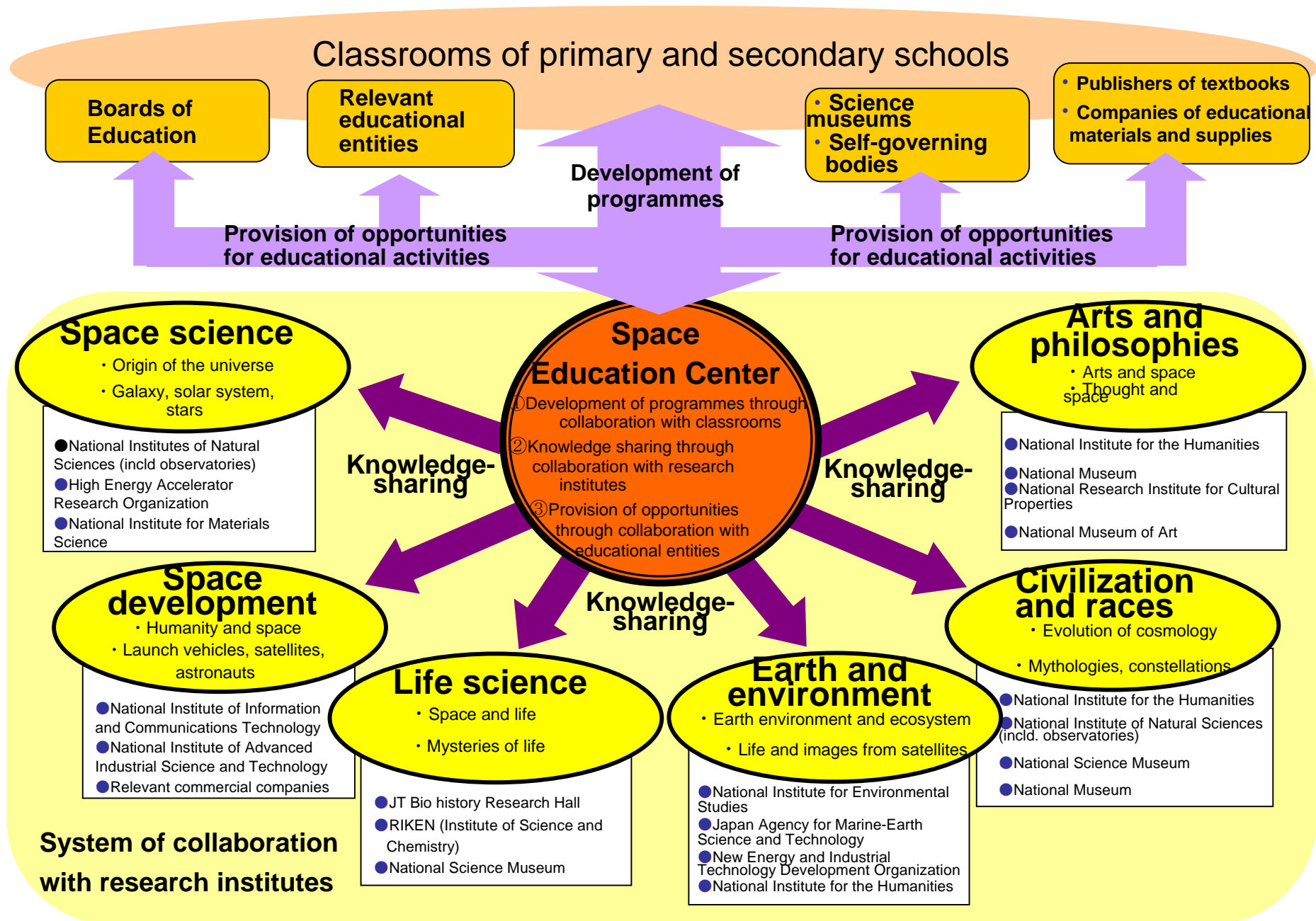


# On-Site Educational Activities: Achievements FY 2004 (Apr.04-Mar.05)

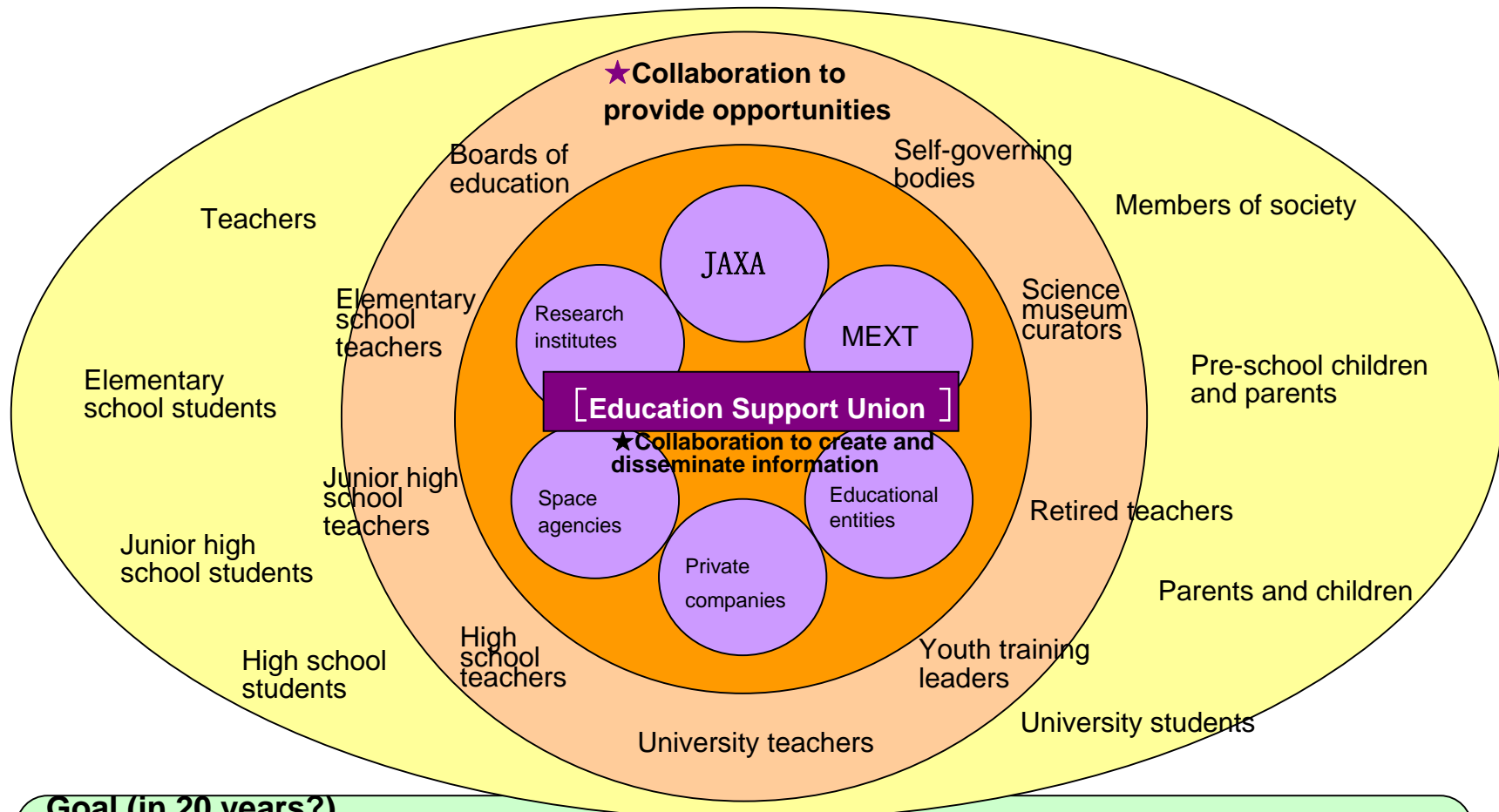
## Structure of the Cosmic College



# Education support system



# System for supporting education : Goal of Space Education Center



## Goal (in 20 years?)

- 20 % of all primary and secondary school children, or roughly 2.6 million students, benefit from JAXA's support to classroom teaching.
- Of 20 % of all primary and secondary school teachers, or roughly 180,000 teachers, JAXA collaborates with all science teachers, or roughly 100,000 teachers.

## Projections for the year 2005: statistics of primary and secondary schools

- Total number of schools = about 40,000
- Total number of teachers = 920,000
- Total number of students = 14 million

# **International cooperation to promote space education**

**★12th Session of the Asia-Pacific Regional Space Agency Forum (APRSAF): 11-13 October 2005, Kitakyushu, Japan  
Space Education and Awareness Working Group  
Water-Boosted Rocket Competition, 15 October 2005**

## **★International Space Education Board**

**☆ CSA, ESA, JAXA and NASA**

**☆ Objectives: i) To increase science, technology, engineering and mathematics literacy achievement in connection with space; ii) to support the future workforce needs of space programs.**

**☆ Main areas of activities:**

- Exchange of information and materials;**
- Joint education programs and projects;**
- Exchange programs for students, educators or researchers;**
- Dissemination of best practices of effective education programs.**

**☆ Membership: any public organisation implementing space activities and pursuing an education program.**

**Signing event: Monday, 17 October 2005, 18:00 hrs.**

**Fukuoka International Congress Center, Room 501**

## **International cooperation to promote space education**

### **★International Astronautical Congress (IAC):**

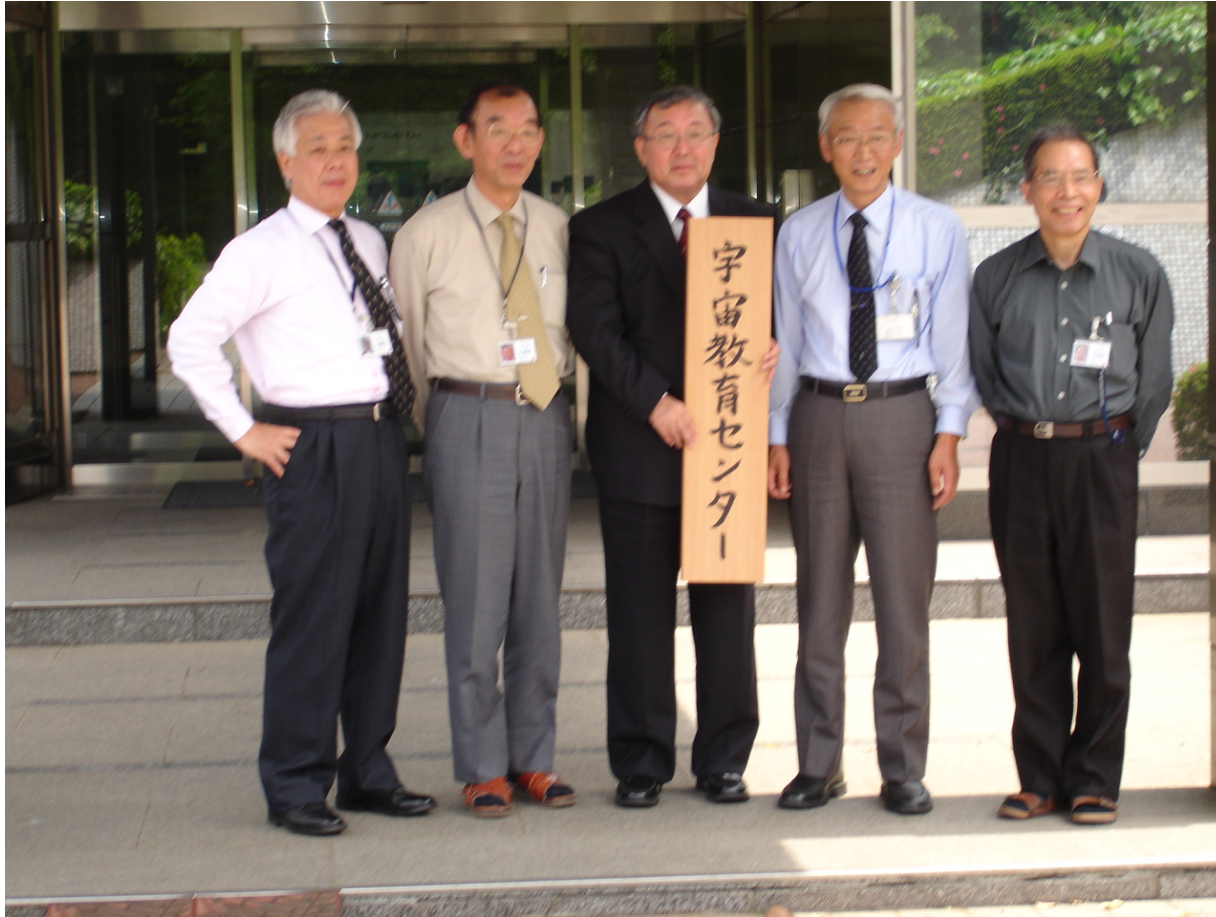
**17-21 October 2005, Fukuoka, Japan**

#### **☆Student and Youth Participation Program: 16-22 October 2005**

- JAXA sponsored 99 Japanese students and 2 students from Singapore (IISL Space Law Moot Court Competition)**
- International Student Zone (ISZ): Posters, Presentations**
- Tree Workshop: student discussions on i) World Heritage and Natural Preservation; ii) Natural Disaster Monitoring; iii) Manned spaceflight and exploration; iv) Space education and awareness**
- CANSAT Activities**
- Student Plenary Session: Friday, 21 October, 14:00 hrs.**

### **★International Space University**

**☆JAXA Fellowship for Summer Session Program 2006 and Master course programs (MSS/MSM) for 2006/2007**



**For further information and contact:**

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