



Common Declaration at the 5th France/Japan Space Cooperation
Symposium
Paris, France
June 15-17, 2005

The 5th France/Japan Space Cooperation Symposium took place in Paris, France on 15-17th June, 2005 under the theme of "Our roles, our partnership in the era of French-Japanese reinforced cooperation" in presence of more than 100 participants from CNES, JAXA and associated research institutions and industries.

In the opening session, both Presidents outlined their strategy, several months after the successful return to flight of the launchers ARIANE 5 ECA and H-2A. For CNES, Mr. Yannick d'ESCATHA exposed the outline of the contract between CNES and the French Government for the 2005-2010 time frame. For JAXA, Dr. Keiji TACHIKAWA exposed the Long Term Vision of the next twenty years.

After the plenary session, five working-groups held meetings dedicated to the following themes: Earth Observation, Space Transportation, Space Parts, ISS Utilization and Long Term Vision. In each session, the status of both French and Japanese space activities were introduced, followed by a discussion on the possibilities of the future cooperation between Japan and France.

During the symposium, CNES and JAXA shared the views on the current situation of space activities worldwide. Space Technologies and their applications have been recently recognized as an essential tool to support such policy objectives as ensuring the quality of life, promoting economic growth while protecting the environment as well as promoting sustainable development for the planet Earth and humankind. Therefore, further actions to expand the benefits for society through space utilization are needed.

With the recognitions above, and based on the results of discussion at each Working Group, both Presidents endorse the following activities agreed by the

Working Groups to broaden the cooperation between the parties:

- 1) After reviewing the progress such as JAXA's joining the International Charter on Space and Major Disasters and the selection of EarthCare project, the following additional cooperation items were agreed in the Earth Observation Working Group.
 - To conduct a joint study of GEO disaster monitoring mission.
 - To map the CNES-JAXA cooperation in GEOSS 10 Years Implementation Plan.
 - To reinforce the scientific cooperation on EarthCare project preparation and exploitation.
- 2) The Space Transportation Working Group agreed to focus on the following themes: flight demonstrators including Pre-X and JAXA's new concepts, reliability technologies, fuel management technologies including flight experiments, and future space transportation systems including those related to ISS services and discussion among young engineers on new generation launchers.
- 3) Based on the very active work of the Space Parts Working group, several cooperation plans were added on the existing cooperation such as establishment of a common policy and guidelines for the use of COTS. The key agreed new projects are the following ones:
 - Joint development with industry of a new FPGA (Field Programmable Gate Array) based on FeRAM¹ SOI² technology
 - Joint radiations experiments (LPT and ICARE) on Jason 2 (MoU planned for mid-October 2005)
 - Cooperation on Spacecraft Charging
- 4) The ISS Utilization Working Group agreed to study three cooperation items in the near future: the piston effect at critical point (using DECLIC), bilateral Bed

¹ Fe-RAM: Ferroelectric Random Access Memory

² SOI: Silicon on Insulator

Rest campaigns and the joint development of key elements of a future life support system.

The Working Group will also jointly study how the utilization of the ISS could, especially after 2010, gradually be more targeted towards the preparation of human exploration of the moon and Mars.

- 5) After presentation of the middle and long term visions, the Long-Term Vision Working Group recognized the value of its activities and proposed to maintain the Working Group in order to cover overall strategy, to share opinions on general architectures of new missions and assess international cooperation frameworks in various space fields (including ISS program and new space exploration vision). This Working Group will act as a steering body for future related activities.

In addition, JAXA and CNES confirmed their will to promote staff exchange.

The Presidents agreed to meet annually to review and enhance the cooperative activities. The Presidents also agreed to convene the five Working Groups annually, alternatively in Japan and France.



Yannick d'Escatha
President
CNES



Keiji Tachikawa
President
JAXA