

# Peru-Japan Workshop on Peruvian Space Utilization

## Opening Address

January 26/27, 2012

President

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( U S E F )

## Contents

- 1 Summary of USEF development activities
- 2 Future Capability Creation by Vertical Integration of Space Organization
- 3 Expansion of Global Space Utilization
  - (1) Framework for the cultivation about Global Space Utilization
  - (2) Japanese cooperation direction for global space utilization
- 4 The Japanese space cooperation for Peruvian Space Utilization
  - (1) Recent activities
  - (2) Peru-Japan Joint Workshop on Peruvian Space Utilization

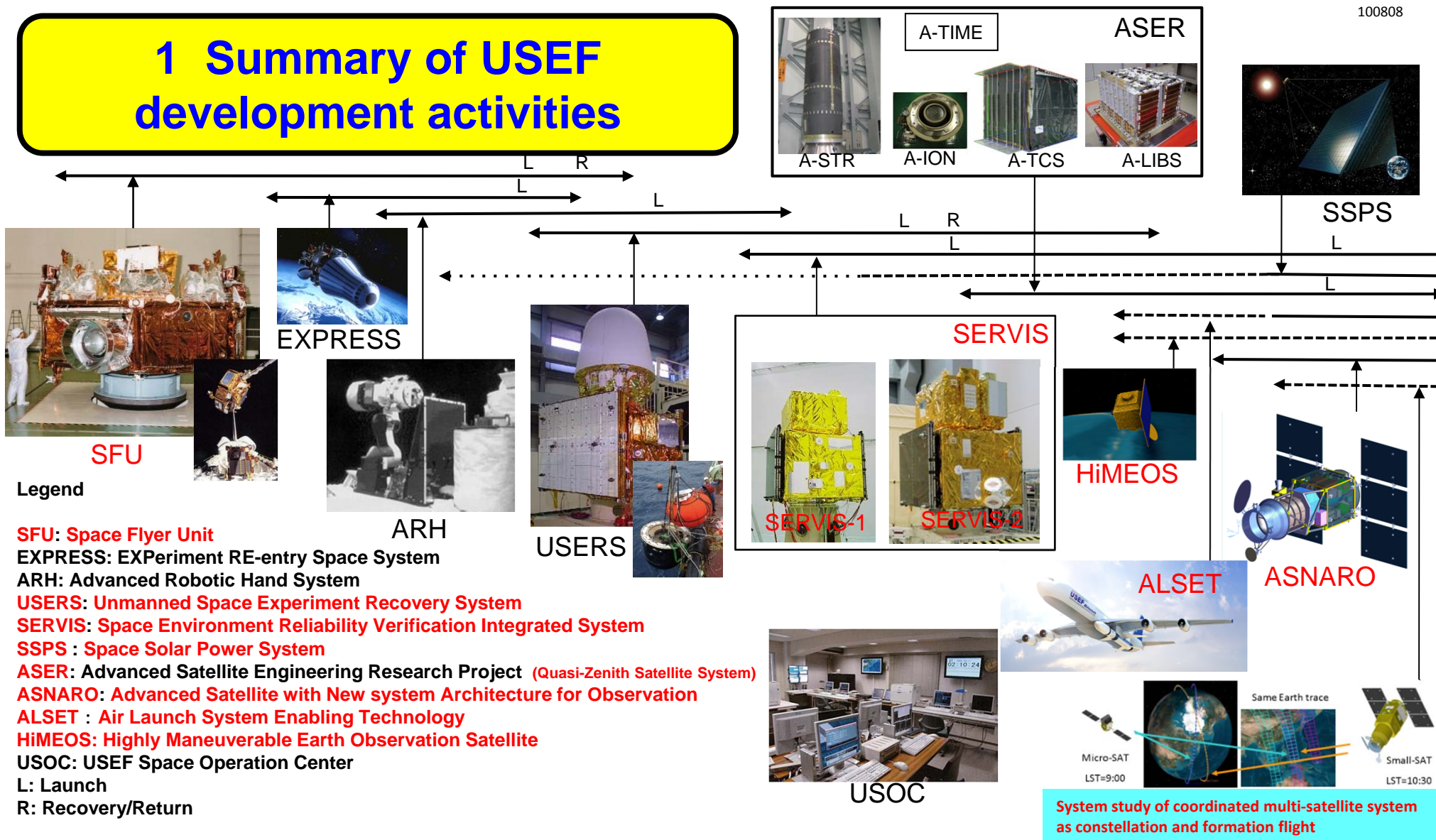
# Peru-Japan Joint Workshop on Peruvian Space Utilization



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## 1 Summary of USEF development activities



Legend

- SFU: Space Flyer Unit
- EXPRESS: EXPeriment RE-entry Space System
- ARH: Advanced Robotic Hand System
- USERS: Unmanned Space Experiment Recovery System
- SERVIS: Space Environment Reliability Verification Integrated System
- SSPS : Space Solar Power System
- ASER: Advanced Satellite Engineering Research Project (Quasi-Zenith Satellite System)
- ASNARO: Advanced Satellite with New system Architecture for Observation
- ALSET : Air Launch System Enabling Technology
- HiMEOS: Highly Maneuverable Earth Observation Satellite
- USOC: USEF Space Operation Center
- L: Launch
- R: Recovery/Return

## 2 Future Capability Creation by Vertical Integration of Space Organization

### (1) Structural Integration

Coming April 1<sup>st</sup> 2012, USEF will accept 2 public space organization named JAROS and ERSDAC to make structural integration for creating new vertically integrated public space organization from R&D to global Utilization . New name will be the <Japan Space Systems> .

### (2) Direction of Synergy in the NEW ORGANIZATIO

① JAROS is mainly the specific organization to develop various innovative sensors for ASTER,PALSAR, HYPER-Spectrum(HISUI).

ERSDAC is mainly the specific organization to develop various innovative satellite data processing technology and application technology for business and academic use.

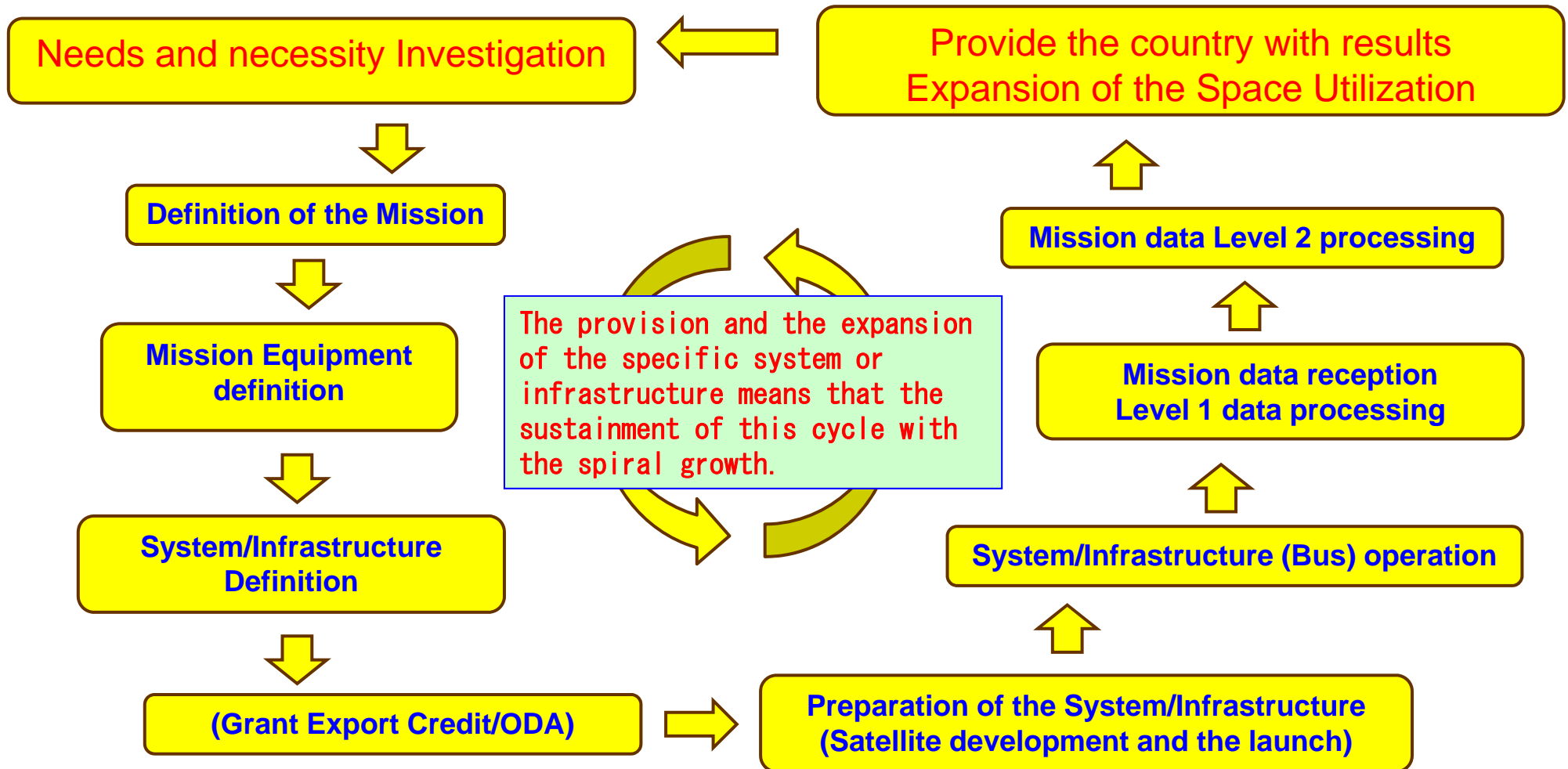
② In new <Japan Space Systems> we will lead the initiatives for making organizational synergies to make the vertically integrated capabilities .

Based on these capabilities,

we will cooperate or support the customer s space activities from needs for utilization, satellite design , production and operation to satellite data processing and application according to their capabilities for space.

### 3 Expansion of Global Space Utilization

#### (1) Framework for the cultivation about Global Space Utilization



## **(2) Japanese cooperation direction for Global space utilization**

### **A User-driven proposal scheme**

**Firstly, we would like to investigate both requested function and key factor of customer satisfaction according to the target customer level of organization, nation and region.**

### **B Combined Approach**

**Based on the level of the capability for space and type of customer(private sector, public organization, government or international cooperation), we would like to propose the most appropriate combined scheme of export, technical support or business collaboration.**

## a) Private sector

Proposal about the value of utilization by commercial manner

—Proposal of Remote sensing information by Japan

## b) University, Public organization, Government

Proposal about the value of utilization by export, ODA approach or various scheme of collaboration

—Utilization of ASNARO Satellite ( Optical or SAR )

Nano Satellite( 50kg class)

—Japanese ODA Scheme for Space to Vietnam

( Space center facility, 2 SAR Satellites and Capacity development )

—Japanese new ODA Plan for Space to the South American Country ( TBD )

## c) Global/ Regional Collaboration Scheme

Future proposal about the following new projects

① East Asian corporation scheme about the Quasi Zenith Constellation

② Japanese private optical satellites constellation project ( TBD )

③ ASEAN/ASIA Disaster Prevention Satellite Network project

④ Global Disaster Prevention Satellite Network Scheme ( TBD )

## 4 The Japanese space cooperation for Peruvian Space Utilizaion

### (1) Recent activites

#### ① Space Trade Meeting at Rima in Peru

2010 September, Japan dispatched space trade missions for South America to find the needs for Space utilization consists of government and private companies and held Space Trade Meeting at Rima in Peru. In those occasion we received strong expression of request to Japan for Space Utilization Technology Cooperation from Peru.

#### ② USEF research mission to Peru

Based on this request, USEF(requested by METI to do this research) sent research mission to Peru. We made around 30 interviews( governmental agencies, research centers, Universities) to investigate Peruvian space utilization needs ,present situation of satellite data acquisition and utilization , future anticipated space policies , etc and then finally we researched the possibilities about future space cooperation for Peruvian Space Utilization.

#### ③ This workshop

This time we decided to hold this 「Peru-Japan Joint Workshop on Peruvian Space Utilization」 to enlarge the Peruvian Space Utilization. This workshop will be held jointly by CONIDA and USEF ( requested to organize by METI, Japanese government ).

## (2) Peru-Japan Joint Workshop on Peruvian Space Utilization

### 1 Whole Program

January 26<sup>th</sup> 2012 Whole day Peru-Japan Joint Workshop  
27<sup>th</sup> 2012 Morning Detailed Discussion

### 2 Today's Program

- (1) Guest of Honor Speech
- (2) Opening Address
- (3) Keynote Lecture
- (3) Workshop

**Session 1 Needs and Expectations for Space System Utilization in Peru**

**Session 2 Introduction of Japanese Space System and Application Technology**

**Session 3 Capacity Building and Introduction for Japanese ODA Scheme**

**Session 4 Free Discussion**

**Session 5 Closing Statements**

### 3 Tomorrow Program

Detailed discussion

based on Japanese semi-final report for Peruvian Space Utilization



**Thank you for your attention!!**