

# ***Impact of Geospatial Information on Digitally Connected Economy and Society***

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For Geoinfotech 2017*



# ***Relevant Key Policy Issues in Thailand – Japan Bilateral Context***

## **1: Cooperation for High Added-value Industry**

■ Thailand has \$6000 per capita income, very low unemployment rate and low birthrate.

■ Japan can contribute to further sophistication of Thai industrial structure, avoiding the “middle-income trap”

=> Innovation workshop (on Space technology in March, 2016)

# ***Relevant Key Policy Issues in Thailand – Japan Bilateral Context***

## **2: Cooperation in Quality Infrastructure and in connectivity**

- **Quality infrastructure : reliable, safe, environmentally-friendly, low life-cycle cost and in line with users' needs.**
- **“Japan-Mekong connectivity initiative” : enhance physical, institutional and human resources connectivity in Mekong region**

**=> Earth Observation Satellite**

**=> Utilization of Geospatial Information**

# Earth Observation Satellite



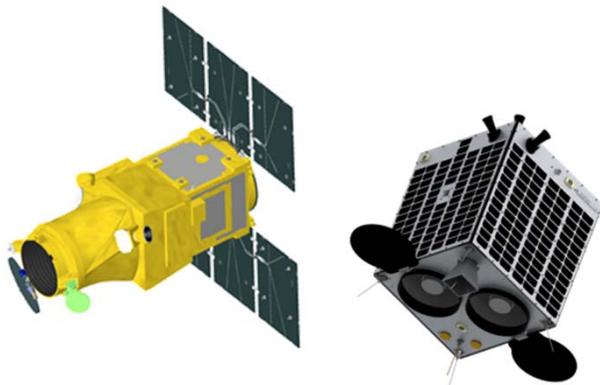
## Strength of Thailand:

- Strong industry base in the area of electric parts and auto parts industry
- Many talented young space engineers in GISTDA and universities
- Strong network with ASEAN countries

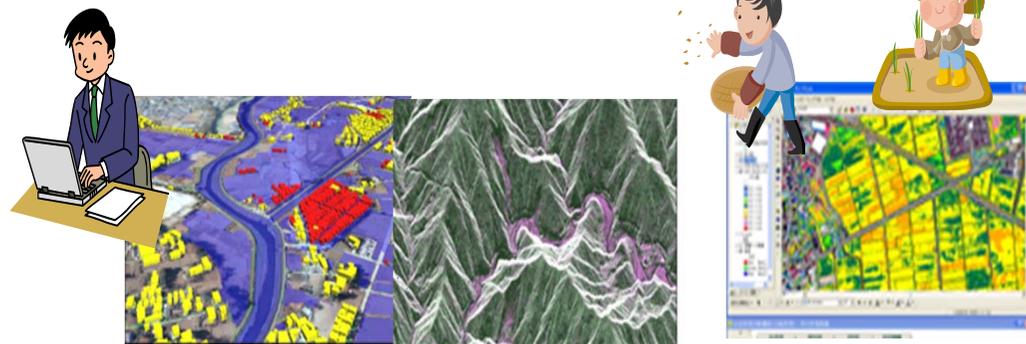


## Strength of Japan:

- Advanced technology of small and micro satellite of high performance
- Rich experiences in space utilization for agriculture and disaster
- A lot of top-notch professors whose major are satellite development and utilization who will contribute to raising foreign space industry



Small/Micro and Low Cost



Agriculture and  
Disaster Management

# ***Demonstration of advanced positioning in Thailand***

## **▼ *i-construction***

*Nov. 2015 in Chonburi*



## **▼ *National S&T @ IMPACT***

*visited by S&T Minister*

*Nov. 2015*



## **▼ *IT Agriculture***

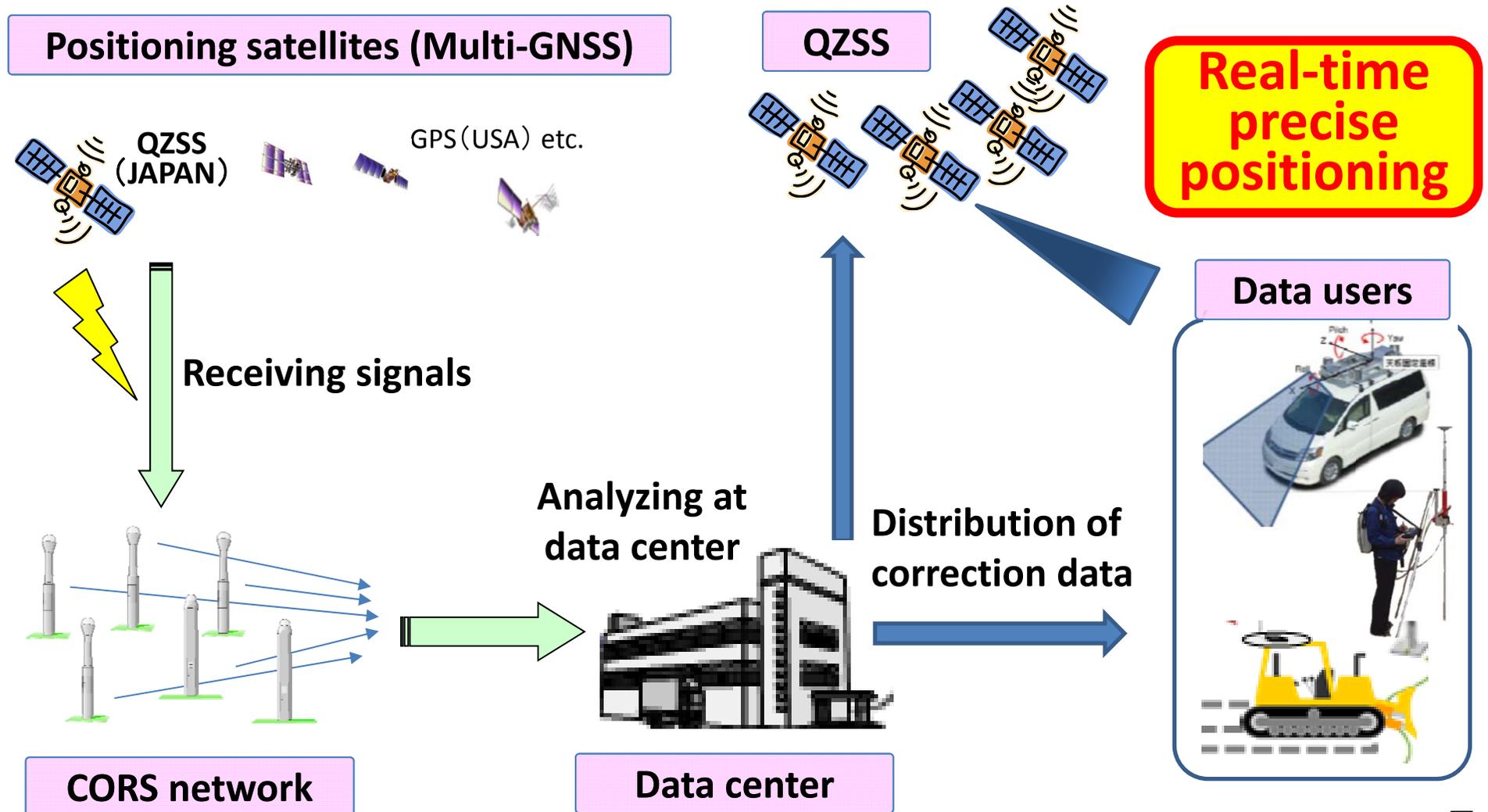
*Aug. 2016 in Saraburi*



*Aug. 2016*



# Real-time precise positioning (Advantages of QZSS and CORS network)



# ***Real-time precise positioning for future***

Real time provision of correction data for precise (cm-level) positioning boosts commercial use, and contributes to construction of convenient and safe society.

**Infrastructure  
development**

**Support for  
location service**

**Disaster  
Management**

***Japan is ready to help Thailand to become a top runner  
in the real-time precise positioning in ASEAN***

# Japan Pavillion



● Japanese basic plan on space policy



● GEONET : GNSS Earth Observation NETWORK system



● Most Technologically Advance Reference Station



● “Highly accurate satellite positioning service” explore the new stage



● GNSS CORS Pilot Network in Thailand



● QZSS : Quasi-Zenith Satellite System



● Auto-steering Tractor based on GNSS



● 3DMC mmGPS Motor Grader System



● Intelligent Machine Control Excavators



● Pilot Project



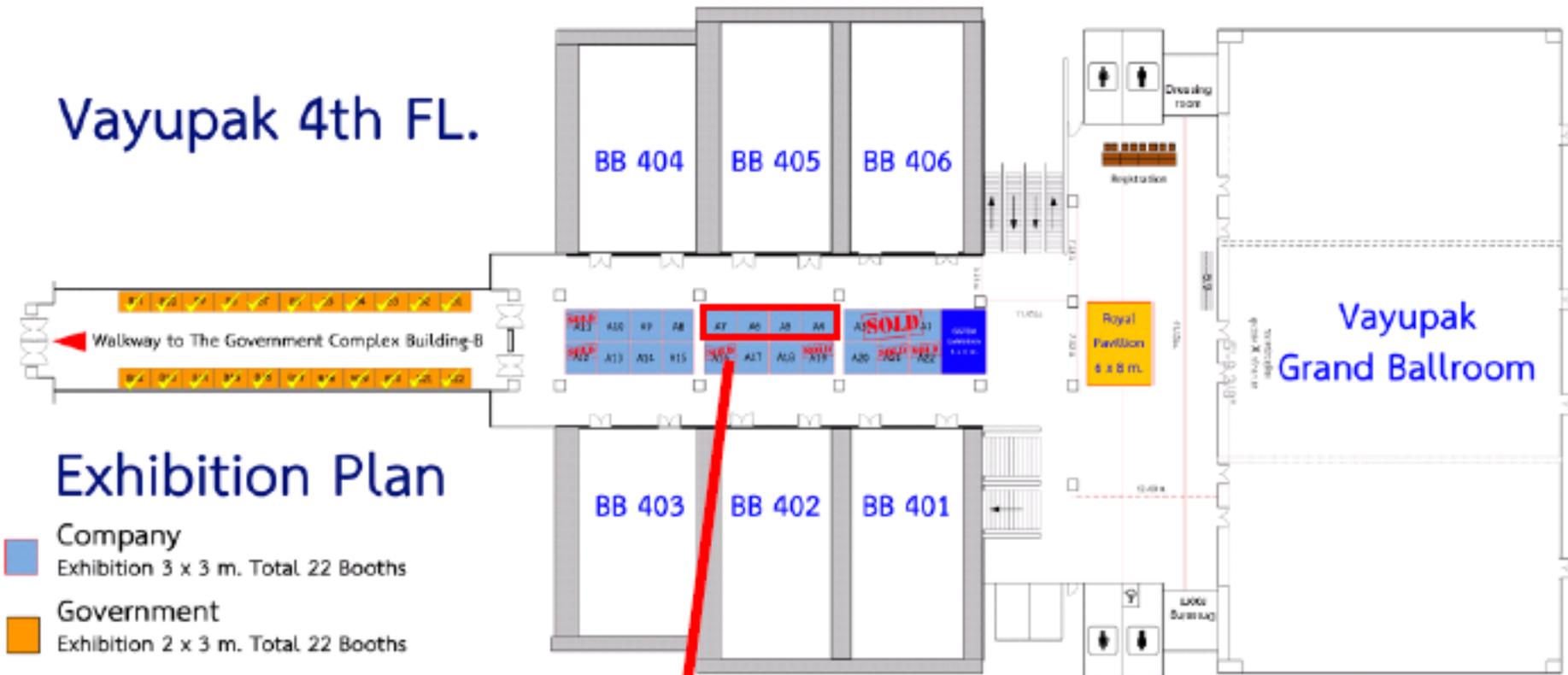
● Earth Observation Satellite



● H-2A, ISS, J-SSOD : JEM Small Satellite Orbital Deployer

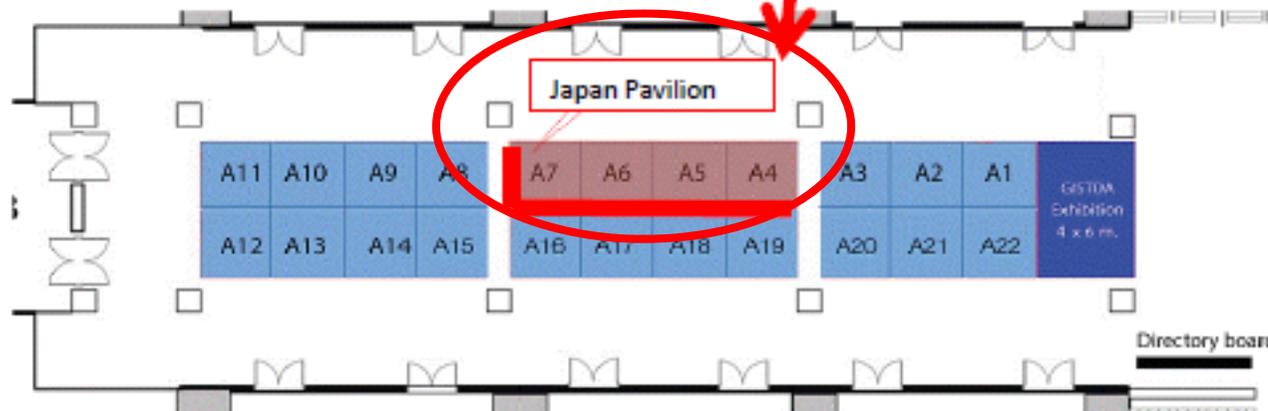
# Japan Pavillion

Vayupak 4th FL.



## Exhibition Plan

- Company  
Exhibition 3 x 3 m. Total 22 Booths
- Government  
Exhibition 2 x 3 m. Total 22 Booths



- A1,A2,A3 AIRBUS US GEO F-16, LTD
- A4,A5,A6,A7 Japan Pavilion
- A9,A10 Thaus Co.,Ltd
- A8,A15 Hexagon Geospatial
- A11 NEOGEO CO.,LTD.
- A12 THINKNET
- A13-14 TOPOCON INSTRUMENTS
- A16 Asia Aerospace Service Ltd.
- A17 BLACKSKY
- A18 exactEarth
- A19 Hi-Target Surveying Instrument Co.,Ltd.
- A20 METAMADIA TECHNOLOGY CO.,LTD.
- A21 TomTom Navigation (Thailand) Co.,Ltd.
- A22 HOLLYWOOD INTERNATIONAL LTD.

# Japan Session

## GNSS: The Forefront of Thailand 4.0 and Economic Growth

10 Feb. Fri., 9:00 – 10:30, 10:50 – 12:00 @ BB406

ในงาน GEOINFOTECH 2017  
วันที่ 10 กุมภาพันธ์ 2560  
ณ ห้อง BB406 ชั้น 4 ศูนย์ประชุมวายุภักษ์  
โรงแรมเซ็นทารา ศูนย์ราชการและคอนเวนชันเซ็นเตอร์แจ้งวัฒนะ กรุงเทพฯ  
เริ่มลงทะเบียน ตั้งแต่ เวลา 8.30 เป็นต้นไป

เข้าร่วมสัมมนา  
ไม่เสียค่าใช้จ่าย  
ฟรี!!



**Dr. Anond Snidvongs**  
Executive Director  
Geo-Informatics and Space Technology  
Development Agency

**Mr. Koji Saeki**  
Director-General  
for International Cooperation  
Cabinet Office, Japan

**Dr. Takashi Ikeda**  
National Space Policy Secretariat  
Cabinet Office, Japan

**Prof. Dr. Chalermchon Satrapod**  
Chulalongkorn University

**Mr. Tetsuro Imakilre**  
Senior Executive Officer  
Geospatial Information  
Authority of Japan

**Dr. Agachai Sumalee**  
Director of Smart City  
Research Center, Thailand.



# Space Environment and Kibo Utilization Workshop



**9 Feb. Thur., 13:00 – 16:30**

**10 Feb. Fri., 9:00 – 10:30, 10:50 – 12:00, 13:00 – 14:30**

**@BB404**

- SEUWG is an international workshop conferred by those countries participating in the Asian Kibo Utilization Workshop in order to provide the latest information from various fields of space research, especially microgravity experiments.
- The main objective of the workshop is finding potential space experiments to be conducted in the "Kibo" module on the International Space Station. The third workshop will be held this year in Bangkok, Thailand. Thailand has participated in past space activities toward realizing Kibo/ISS missions and has a long history of collaboration with Japan. We expect to see new proposals for the advancement of space research as a result of this workshop.
- Beneficial and instructive talks will be provided by an experienced JAXA technical team consisting of the life science specialist and exposed experiment expert of Kibo during this workshop.

***Thank you for your attention !***



๑๐๐ ปี ความสัมพันธ์การค้า ไทย-ญี่ปุ่น  
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