

Integrated use of geo-spatial information for comprehensive safety and security; Asian perspective for Geo-Intelligence

Sept.20: International Expert Meeting on Integrated Use of GIS for Safety and Security (Language: English)

Venue: Pacifico Yokohama, Annex hall F201

Organizers:

Center for Spatial Information Science, The University of Tokyo 

Asian Development Bank Institute 

Cabinet Office, Government of Japan 

Funding Support:

NICT International Exchange Program 

➔Discuss about a R&D strategy and a policy direction to realize integrated use of geo-spatial information (geo-intelligence) for safety and security.

■ Introduction (10:00-10:20)

Welcome: Cabinet office, Japan government

Welcome and scope of the symposium: Prof. R.Shibasaki CSIS, Univ. of Tokyo

■ Common technology for integrated use of geo-spatial information: present status and future prospects (part 1) 10:20-12:00

+ Satellite observation: C. Ishida-Watanabe (JAXA) 15min

+ Satellite-based positioning services: F.Matsui (JGPSC) 10min

+ Muti-GNSS demonstration campaign for Asia Oceania region: S.Kogure (JAXA) 10min

+ Satellite communication: Dr. N. Kadowaki (NICT) 10min

+ Information services using cellular phone technologies in developing countries: present and future. Md. Enam Ur Md. Rahman Khan (Senior specialist, Grameenphone, Bangladesh) 15min

+ The Value of GEOINT : Mr.Nick Sutherland Head of Professional Services, Helyx SIS Ltd 30min

(Q&A) 10min

Lunch 12:00 – 13:00

■ Common technology for integrated use of geo-spatial information: present status and future prospects (part 2) 13:00pm-14:00pm

+ High precision timing, authentication and security 20min

- Research on Space-Time Standards and Time Management System for Quasi-Zenith Satellite System (QZSS): Y. Koyama (NICT)
 - Security and position authentication: Dr. H. Tanaka (NICT)
- (Q&A)

+ Advanced sensing technology 20min

- Ground-based and Space-borne Radio/Optical Sensing Research:
Dr. Y. Murayama (NICT)
 - Airborne Synthetic Aperture Radar (Pi-SAR2): Dr. S. Uratsuka (NICT)
- (Q&A)

+ Advanced Information Processing and Disaster Information 20min

- Information Analysis Technology for Data Intensive Science.: Dr. Y. Kidawara (NICT)
 - GIS-based Earthquake Damage Estimation for Supporting International Rescue Operations : Dr. N. H. Nguyen (NICT)
- (Q&A)

■ Breakout Group Discussion (parallel session) 14:00-16:00

+ Introduction and guidance: R. Shibasaki (CSIS, UT) 14:00-14:15

Group 1

Geo-Intelligence for disaster responses (Moderator: Prof. M. Nakayama, UT)

- Flood forecast using satellite data: Dr. K. Fukami (PWRI) 10min
- Resolving conflicts over international river management ~ expectations to geo-intelligence: Prof. M. Nakayama (Univ. of Tokyo) 10min
- Responses to water disasters in Bangladesh ~ expectations to geo-intelligence: Prof. M. Rahman (Bangladesh University of Engineering and Technology; BUET) 10min
- Integrated use of geo-spatial information for disaster responses; Dr. T. Nagasaka (NIED) 10min
- GIS Application for Disaster Management in the Philippines; Ms. Maria Cecilia A. Monteverde (PAGASA, Philippines) 10min
- Use of Geo - Spatial Information in Disaster Management in Bangladesh; Mr. Ghiasuddin Ahmed Choudhury (CEGIS, Bangladesh) 10min

(Discussion)

Requirements and expectations to geo-intelligence technologies for disaster responses especially in Asian countries 40min

Group 2

Geo-intelligence for environment and health (Moderator Prof. H. Sawada (IIS, Univ. of Tokyo))

-Integrated use of geo-spatial information for monitoring forest fire and forest carbon tracking: Prof. H.Sawada (IIS, UT)

-GIS application for public health: expectations to geo-intelligence: Dr.R.Saito, Niigata University

-Cholera outbreak in Hanoi and expectations to geo-intelligence: Dr.Pham Quang Thai, MD, MPH、Department of Epidemiology、National Institute of Hygiene and Epidemiology、Hanoi Vietnam)

-GIS/RS integration for safety and security in Asia: Dr. M. Nagai(GIC, AIT, Thailand)

(Discussion)

Requirements and expectations to geo-intelligence technologies for environment and health especially in Asian countries 60min

Group 3

Geo-intelligence for transportation and ITS (Moderator Prof. S.Narupiti (Chulalongkorn Univ., Thailand))

-Potential applications of ITS in Asian countries Mr. H.Akatsuka (ITS Japan)

-Transportation issues and expectations to ITS technology in Asian countries: Prof. Sorawit Narupiti (Chulalongkorn Univ. Thailand) 10min

-Traffic Scope - Probe Information Provision Which Can Be Implemented in Development Countries : Hisatomo Hanabusa (i-Transport Lab. Co., Ltd) 10min

- The Local Dynamic Map: a data store for cooperative applications: Dr. S. Dreher (NAVTEQ) 10min

(Discussion)

Requirements and expectations to geo-intelligence technologies for transportation and ITS especially in Asian countries. 50min

Group 4

Geo-intelligence for Maritime transportation, security and ocean resources (Moderator Mr. Mike Quin (ESRI))

- Advanced Geospatial Technologies for Reducing Threats to Maritime Transportation:
Mr. Mike Quinn (ESRI) 10min
- Integrated use of ocean information - from observation to forecast - : Dr.Y. Masumoto
(JAMSTEC) 10min
- Expectations to integrated use of geo-spatial information for international logistics :
Mr. N. Ishizawa (NYK Logistics) 10min
- A new approach for integration of marine data and information scattered in respective
agencies in Japan - Japanese Marine Cadastre - : Mr. Y. Nagaya (Japan Coast
Guard, Hydrographic and Oceanographic Department)

(Discussion)

Requirements and expectations to geo-intelligence technologies for *Maritime transportation, security and ocean resources* especially in Asia 50min

○Coffee break (16:00pm – 16:20pm)

■Concluding session (16:20- 18:00pm) Moderator: Mr. K.Hiroki (CAO, Japan)

- Reports of the results of the group discussions (each 15 min)
- Discussion and wrap-up