

Program of the 9th Joint Project Team Meeting (JPTM2024)

“Harnessing Satellites and Collaboration for Regional Disaster Resilience”

November 5th-7th, 2024
Novotel Manila Araneta City,
Quezon City, Philippines

Day 1: Co-Chair:

Dr. Ariel C. Blanco, Director IV, PhilSA, Philippines

Dr. Shiro Kawakita, Acting Executive Secretary of Sentinel Asia, SAOC, JAXA, Japan

Venue: Monet, Ballroom 3, 2nd Floor

DAY 1: November 5 th	
TIME	Program Items
9:00-9:30 9:00[10min] 9:10[10min] 9:20[5min] 9:25[5min]	Opening Ceremony (Chaired by PhilSA) <ul style="list-style-type: none"> ● Welcome Remarks: PhilSA (Dr. Ariel C. Blanco, Director of PhilSA-SIIB) and JAXA (Dr. Shiro Kawakita, Acting Executive Secretary of Sentinel Asia) ● Message from Dr. Joel Joseph Marciano, Jr., Director General, PhilSA ● Adoption of agenda ● Group Photo
9:30-10:00 9:30[15min] 9:45[15min]	Session 1: Overview (Chaired by PhilSA) <ul style="list-style-type: none"> ● Recent activities of Sentinel Asia (Mr. Goro Takei, Deputy Executive Secretariat of Sentinel Asia, Japan) ● Report of the Steering Committee and APRSAF-29 (Mr. Goro Takei, Deputy Executive Secretariat of Sentinel Asia, Japan)
10:00-10:15	Coffee Break
10:15-11:00 10:15[15min] 10:30[15min] 10:45[15min]	Session 2: New membership (Chaired by JAXA) Presentation by new members <ul style="list-style-type: none"> ● Institute of Water Modelling & its potential role as a DAN in Sentinel Asia (Mr. Imran Khan, Institute of Water Modelling (IWM), Bangladesh) ● Bhutan and use of Sentinel products (Ms. Sonam Lhamo, National Center for Hydrology and Meteorology (NCHM), Bhutan) ● Satellite Imagery as a Tool for Informed Disaster Risk Management: NDRMO Tonga's Path Forward (Ms. Ofa Ema Petulisa Masiwawa, NDRMO, Tonga)
11:00-11:10	Short Break
11:10-11:50	Session 3: User's Session (Chaired by JAXA) Presentation on good practices of Sentinel Asia or expectations of Sentinel Asia

DAY 1: November 5th	
TIME	Program Items
11:10[20min]	<ul style="list-style-type: none"> Oil Spill Monitoring from Space (Mr. Noel Borlongan, PhilSA, Philippines)
11:30[20min]	<ul style="list-style-type: none"> Optimizing the Microsoft Planetary Computer for Emergency Observation and Mapping (EO/ M) (Ms. Jezleer Montajes, Manila Observatory, Philippines) (Mr. Fren Marlon Peralta, Xavier University - Ateneo de Cagayan, Philippines)
11:50-13:00	Lunch
13:00-14:30	<p>Special Session: Philippines Session (Chaired by PhilSA) Title: “Space for DRRM: The Philippine Perspective”</p> <p>Moderator: Ms. Princess Angela Young, PhilSA</p> <p>Panelists from the Philippines</p> <ul style="list-style-type: none"> Mr. Paolo Jonas Alan, IT Officer, OCD-ICTD, “Utilization of Space Technologies at the NDRRM Operations Center” Dr. Marcelino Villafuerte II, Deputy Administrator, PAGASA, “Satellite Data Utilization for Meteorological Applications in the Philippines” Dr. Rolyn C. Daguil, President, Caraga State University, “Caraga State University's Space + Geospatial Products and Services for DRRM” Dr. Arturo Daag, Associate Scientist, DOST-PHIVOLCS, “Utilizing Satellites in Monitoring Volcanic and Earthquake Disasters in the Philippines through Sentinel Asia” Ms. Christine Marie Oca, Science Research Specialist I, PhilSA, “Drought Detection from Space: A Data-Driven Early Warning Approach” Ms. Cara Patricia Canlas, Science Research Specialist II, PhilSA, “Defining Fire Regime in the Palawan, Philippines using Satellite-based Fire Products” Discussion
14:30-14:45	Coffee Break
14:45-15:45	<p>Session 3: User’s Session (Chaired by JAXA) Presentation on good practices of Sentinel Asia or expectations of Sentinel Asia</p>
14:45[20min]	<ul style="list-style-type: none"> Events occurred in Central Asia in 2024 (Mr. Ulan Abdybachaev, CAIAG, Kyrgyz)
15:05[20min]	<ul style="list-style-type: none"> The 2024 disaster cases in Indonesia (Dr. Yenni Vetrta, BRIN, Indonesia)
15:25[20min]	<ul style="list-style-type: none"> Flood impact analysis based on SAR image in Kanchanpur district (Mr. Joshan Maharjan, Department of Hydrology and Meteorology, Nepal)
15:45-16:00	Short Break
16:00-17:00	<p>Session 3: User’s Session (Chaired by PhilSA) Presentation on good practices of Sentinel Asia or expectations of Sentinel Asia</p>

DAY 1: November 5th	
TIME	Program Items
16:00[20min]	<ul style="list-style-type: none"> Using ALOS 2 satellite image data combined with geographical data for flood monitoring in Vietnam (Mr. Vu Huu Liem, MONRE, Vietnam)
16:20[20min]	<ul style="list-style-type: none"> Lao PDR Country Report, Status of Space Technology Application for DRR in Lao PDR (Dr. Virany Sengtianthr, DMH, Lao PDR)
16:40[20min]	<ul style="list-style-type: none"> Pacific Post Disaster Support Facility (Sentinel Asia Use Case) (Mr. Kaliopate Tavola, SPC, Fiji)
17:00-17:15 17:00[15min]	Recent activities by UN-SPIDER and Changes in Satellite Data Procurement and Application Systems (Mr. Jumpei Takami, UNOOSA)
17:15-17:25 17:15[10min]	New Perspective on space-based disaster management cooperation: International Cooperation in the context of UNCOPUOS (Mr. Takanori Miyoshi, JAXA, Japan)
17:25	Adjourn

Networking Reception will be hosted by PhilSA from 18:00 to 20:30 at the same room as JPTM2024. *It is free of charge.

Day 2: Co-Chair:

Dr. Ariel C. Blanco, Director IV, PhilSA, Philippines

Dr. Shiro Kawakita, Acting Executive Secretary of Sentinel Asia, SAOC, JAXA, Japan

Venue: Versailles Tent, 7th Floor

DAY 2: November 6th	
TIME	Program Items
9:00-9:30 9:00[30min]	Training Workshop I: Demonstration of Disaster Risk Assessment Application (Chaired by JAXA) <ul style="list-style-type: none"> Using Earth Observation Data to Support Sentinel Asia Step-3: focus on risk analytics for pre-disaster actions (Dr. Peeranan Towashiraporn, ADPC, Thailand)
9:30-10:30 9:30[30min] 10:00[30min]	Training Workshop II: Demonstration of flood monitoring/forecasting systems (Chaired by JAXA) <ul style="list-style-type: none"> Flood monitoring and forecasting using GSMaP-IF (Dr. Muraoka, JICA Expert, BWDB, Bangladesh) Today's Earth: Introduction of Global Hydrological Simulation System (Mr. Kosuke Yamamoto, JAXA, Japan)
10:30-10:45	Coffee Break

DAY 2: November 6th	
TIME	Program Items
10:45-11:05 10:45[20min]	Training Workshop III: Lecture of Standard Operating Procedure (Chaired by PhilSA) <ul style="list-style-type: none"> Standard Operation Procedure (SOP) for smooth EOR (Dr. Makoto Ikeda, Asian Disaster Reduction Center (ADRC), Japan)
11:05-11:25 11:05[20min]	Training Workshop IV: An Introduction to OCHA's Humanitarian Data Exchange (HDX) (Chaired by PhilSA) <ul style="list-style-type: none"> Overview of the Humanitarian Data Exchange (Mr. Anthony John Burke, The Centre for Humanitarian Data, UNOCHA)
11:25-12:00 11:25[35min]	Training Workshop V: Demonstration of Disaster Management System (Chaired by PhilSA) <ul style="list-style-type: none"> National Database for Emergency Management (Mr. Praveen Kumar Bandi, ISRO, India)
12:00-13:00	Lunch
13:00-14:00 13:00[60min]	Training Workshop VI: Data Analysis method (Chaired by PhilSA) *Lecture and hands-on training <ul style="list-style-type: none"> SAR data analysis for flood detection and mapping (Mr. Syams Nashrullah Suprijatna, AIT, Thailand)
14:00-14:15	Coffee Break
14:15-15:15 14:15[60min]	Training Workshop VII: Forest Fire monitoring (Chaired by JAXA) *Lecture and hands-on training <ul style="list-style-type: none"> Satellite-Based Burnt Area Detection Using Sentinel-2 Imagery (Ms. Thitawadee Suvachananonda, GISTDA, Thailand)
15:15-15:30	Short Break
15:30-16:30 15:30[60min]	Training Workshop VIII: Data Analysis method (Chaired by JAXA) *Lecture and hands-on training <ul style="list-style-type: none"> Flood mapping using Google Earth Engine (Mr. Kabir Uddin, ICIMOD, Nepal)
16:30-17:30 16:30[30min] 17:00[30min]	Training Workshop IX: Data Analysis method (Chaired by PhilSA) <ul style="list-style-type: none"> GNSS Techniques for Water Level Monitoring (Asst. Prof. Luis Carlos Mabaquiao, UP DGE-TCAGP) Optimizing Optical Satellite Data Analysis: Methods and Strategies (Dr. Saeed Hussain Al Mansoori, MBRSC, UAE)
17:30	Adjourn

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Day3: Co-Chair:

Engr. Rolando Martinez, Director IV, PhilSA, Philippines

Dr. Shiro Kawakita, Acting Executive Secretary of Sentinel Asia, SAOC, JAXA, Japan

Venue: Monet, Ballroom 3, 2nd Floor

DAY 3: November 7th	
TIME	Program Items
9:00- 10:30	Training Workshop X: Data Analysis Method (Chaired by PhilSA) *Lecture <ul style="list-style-type: none"> ● Analysis method using SAR satellite data: building damage assessment (Prof. Masahiko Nagai, Yamaguchi University, Japan) (Dr. Arnob Bormudo, Yamaguchi University, Japan)
10:30-10:45	Coffee Break
10:45-12:00	Training Workshop X: Data Analysis Method (Chaired by JAXA) *Hands-on training <ul style="list-style-type: none"> ● Analysis method using SAR satellite data: building damage assessment (Prof. Masahiko Nagai, Yamaguchi University, Japan) (Dr. Arnob Bormudo, Yamaguchi University, Japan)
12:00-13:00	Lunch
13:00-15:00	Training Workshop X: Data Analysis method (Chaired by PhilSA) *Hands on training (Prof. Masahiko Nagai, Yamaguchi University, Japan) (Dr. Arnob Bormudo, Yamaguchi University, Japan)
15:00-15:30	Coffee Break
15:30-15:50	Summary of JPTM 2024 (Sentinel Asia Secretariat)
15:50-16:00	Announcement of next JPTM host organization
16:00-16:10	Closing Remarks (Dr. Gay Jane P. Perez, Deputy Director General, PhilSA)
16:10	Adjourn