DAY1 15-Nov (Mon)

	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Hall	Registration	PI symposium (9:45 – 17:40)										
Room 301				Lunch Break (11:50 – 13:20)			Coffee Break (15:00 – 15:30)			Welcome Reception 18:00～20:00		
Room 302												
Room 303												
Room 304												
Lounge		Posters Display (9:45 – 17:40)										

DAY2 16-Nov (Tue)

	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Room 301	Registration	Hydrology & Water Resource (9:30 – 13:40)			HYDRO	OPT CalVal/Image (13:40 – 14:40)	Ocean	Coffee Break (15:00 – 15:30)	(Prep for Poster Session)	Coffee Break (17:30 – 18:00)	Poster Session (18:00–19:00)	
Room 302												
Room 310		Snow & Ice 1 (9:30 – 11:30)		Lunch Break (11:30 – 13:00)	Snow & Ice 2 (13:00 – 14:40)				Vegitation Mapping, Forest & Wetland 1 (13:30 – 17:30)			
Room 311		SAR Cal/Val 1 (9:30 – 11:30)			SAR Cal/Val 2 (13:00 – 15:50)			Cal Val	Land Use & Land Cover1 (15:50 – 17:30)			
Room 312		Geography (9]30 – 11:30)			Disaster Management 1 (13:00 – 15:00)			Disaster Management 2 (15:30 – 17:30)				

DAY3 17-Nov (Wed)

	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Room 301	Registration	Ocean Processes & Monitoring (9:30 – 14:00)			OCEAN	Agriculture (14:00 – 16:10)		AGRI	Coffee Break (16:30 – 17:00)			
Room 302							Coffee Break (15:00 – 15:30)					
Room 310		Land Use & Land Cover 2 (9:30 – 14:20)		Lunch Break (11:30 – 13:00)	LAND 2	Geology (14:20 –		GEOLO – 16:10)				
Room 311		Vegitation Mapping, Forest & Wetland 2 (9:20 – 11:30)			Vegitation Mapping, Forest & Wetland 3 (13:00 – 15:00)			(Prep for Summary Session)	Summary Session			
Room 312		Disaster Management 3 (9:30 – 14:00)			DISA 3	Geohazard Supersite Session						

The 4th Joint PI Symposium of ALOS Data Nodes for ALOS Science Program 2010 Tokyo

Date: Monday, November 15, 9:45 – 17:40   Place: Hall (4F)

9:45 - 9:50	Welcome address	Toshio Doura (JAXA)
9:50 - 10:00	Activity Summary from JAXA	Masanobu Shimada(JAXA)
10:00 - 10:10	Activity Summary from ASF	Scott A. Arko (ASF)
10:10 - 10:20	Activity Summary from ESA	Bianca Hoersch (ESA)

Session 1   Chair: Masanobu Shimada (JAXA)

10:20   \<SAR Calibration>
APPLICATIONS OF ALOS-PALSAR TO COASTAL WATERS WITH EXAMPLES OF SHIP DETECTION, AND INFORMATION EXTRACTION ON OCEAN WAVES AND UNDERWATER MARINE CULTIVATION
Kazuo Ouchi, National Defense Academy, Japan

10:45   \<PRISM DEM and Disaster>
Change Detection of Digital Surface Model by ALOS PRISM
Masataka Takagi, Kochi University of Technology, Japan

11:10   \<Forest>
USE OF ALOS PALSAR FOR MAPPING ABOVE-GROUND BIOMASS, QUEENSLAND, AUSTRALIA
Richard Lucas, Aberystwyth University, UK

11:25   \<Disaster Management>
INSAR TIME-SERIES ANALYSIS FOR VOLCANO DEFORMATION DETECTION
Taku Ozawa, National Research Institute for Earth Science and Disaster Prevention, Japan

11:50 - 13:20   Lunch Break

Session 2   Chair: Bianca Hoersch (ESA)

13:20   \<Geography>
Urban and sub-urban climate change caused by the land-use change
Keiji Kimura, Hokkaido University, Japan

13:45   \<Ocean>
CHARACTERISTICS OF SEA SURFACE WIND FIELD ALONG THE KOREAN COAST FROM ALOS PALSAR DATA AND AIR-SEA INTERACTION
Kyung-Ae Park, Seoul National University, Korea

14:10   \<Land Use and Land Cover>
ALASKAN GLACIER CHANGE MONITORED WITH ALOS PRISM AND OTHER SENSORS
Scott A. Arko, Alaska Satellite Facility, USA

14:35   \<Earthquake/Volcano>
GEO's Geohazard Supersite initiative and a geodetic fault model for the 2010 Haiti earthquake from ALOS and GPS data
Falk Amelung, RSMAS University of Miami, USA

15:00 - 15:30   Coffee Break

Session 3   Chair: Don Atwood (ASF)

15:30   \<International Polar Year\>
         POLYNYA FORMATION AND SEA ICE PRODUCTION OFF CAPE DARNLEY
         ANTARCTICA, REVEALED BY ALOS PALSAR AND AMSR-E DATA
         Keiichiro Ohshima, Hokkaido University, Japan

15:55   \<Hydrology and Water Resources\>
         ALOS PALSAR AND SMAP FIELD CAMPAIGNS
         Thomas J. Jackson, USDA Hydrology and Remote Sensing Lab, USA

16:20   \<Agriculture\>
         ESTIMATION of KAZAKHSTAN CROP AREAS in NOTHERN FOREST-STEPPE ZONE by
         SATELLITE DATA
         Muratova Nadiya, Space Research Institute, Kazakhstan

16:45   \<SAR general\>
         Recent advances in fully polarimetric space SAR development
         Wolfgang-Martin Boerner, Professor at the University of Illinois

17:10   \<ALOS-2/3\>
         ALOS Follow-on Satellites
         Yuji Osawa, JAXA, Japan

17:35 - 17:40   Closing Remarks   Toru Fukuda (JAXA)

18:00 - 20:00   Welcome Reception: Room 301-304 (3F)
                   Participation Fee: 2000yen

Hydrology & Water Resource (ORAL)

Date: Tuesday, November 16, 09:30 – 13:40

Place: Room 301/302 (3F)

Chairs: Toshio Koike (University of Tokyo)

           Francesco Mattia (ISSIA)

9:30   HYDRO01   **DETECTION OF INUNDATION AREA IN PAKISTAN USING PALSAR**

                     Toshio Koike, University of Tokyo, Japan

9:50   HYDRO02   **DEVELOPMENT OF MULTI-POLARIZATION SAR ALGORITHM FOR SOIL MOISTURE IN CAMBODIA**

                     Kentaro Aida, University of Tokyo, Japan

10:10   HYDRO03   **Water Level Measurement in Floodplain using ALOS PALSAR**

                     Jung Hyun Choi, Yonsei University, Korea

10:30   HYDRO04   **PREDICTING EROSION AND SEDIMENTATION BY USING ALOS/AVNIR-2 DATA: CASE STUDY OF INDUS RIVER**

                     Asif Mumtaz Bhatti, Kochi University of Technology, Japan

10:50   HYDRO05   **SOIL MOISTURE RETRIEVAL FROM TEMPORAL SERIES OF PALSAR SCANSAR DATA**

                     Francesco Mattia, ISSIA, Italy

11:10   HYDRO06   **A CASE STUDY OF RIVER HUNZA FLOODING IN HUNZA VALLEYPAKISTAN**

                     Mateeul Haq, SUPARCO, Pakistan

11:30   Lunch Break

13:00   HYDRO07   **CORRECTION OF ALOS PRISM DERIVED TOPOGRAHY DATA BY LASER PROFILER DATA**

                     Kazuhiko Fukami, Public Works Research Institute, Japan

13:20   HYDRO08   **Estimation of Urban Canyon Geometrical Parameter from PRISM DSM**

                     Kenji Tanaka, Kyoto University, Japan

OPT CalVal/Image (ORAL)

Date: Tuesday, November 16, 13:40 − 14:40

Place: Room 301/302 (3F)

Chairs: Masayuki Matsuoka (Kochi University)

         John Matthews (Environmental Satellite Applications)

13:40   OPT01   **LAND COVER CLASSIFICATION OF FOREST AREA USING AVNIR-2**

                  Masayuki Matsuoka, Kochi University, Japan

14:00   OPT02   **SUMMARY OF CALIBRATION RESULTS FOR PRISM AND AVNIR-2**

                  Takeo Tadono, JAXA, Japan

14:20   OPT03   **PRISM OCEAN APPLICATIONS WITH THE ATSSG TECHNIQUE**

                  John Matthews, Environmental Satellite Applications, UK

Ocean Processes & Monitoring (ORAL)

Date: Tuesday, November 16, 14:40 − 15:00

Place: Room 301/302 (3F)

Chairs: Masayuki Matsuoka (Kochi University)

         John Matthews (Environmental Satellite Applications)

14:40   OCEAN01   **INVESTIGATION ON METHODOLOGY OF OFFSHORE WIND SPEED ESTIMATION BY USING SYNTHETIC APERTURE RADAR**

                   Katsutoshi Kozai, Kobe University, Japan

Snow & Ice 1 (ORAL)

Date: Tuesday, November 16, 09:30 – 11:30

Place: Room 310 (3F)

Chairs: C. K. Shum (Ohio State University)

         Masato Furuya (Hokkaido University)

9:30   SNOWICE01   ICE VELOCITY MAP OF ANTARCTICA MEASURED WITH ALOS PALSAR

                    Jeremie Mouginot, University of California, Irvine, USA

9:50   SNOWICE02   COMPARISON OF PALSAR SCANSAR AND MODIS IMAGES FOR MONITORING
                    SEA ICE IN THE SEA OF OKHOTSK

                    Kohei Cho, Tokai University, Japan

10:10   SNOWICE03   THE GENERATED DEM FROM ALOS/PRISM IN MT. QOMOLANGMA REGION

                    Qinghua Ye, Chinese Academy of Sciences, China

10:30   SNOWICE04   NEW METHOD DEVELOPMENT FOR SNOW DISCRIMINATION USING SAR
                    POLARIMETRY TECHNIQUES

                    G Venkataraman, Indian Institute of Technology Bombay, India

10:50   SNOWICE05   Monitoring of Mountain Glacial Variations in Northern Pakistan, from 1992 to 2009
                    using Landsat and ALOS Data

                    Mateeul Haq, SUPARCO, Pakistan

11:10   SNOWICE06   Glacier and glacial lake inventory of Bhutan-Nepal using ALOS data

                    Jinro Ukita, Niigata University, Japan

Snow & Ice 2 (ORAL)

Date:　　Tuesday, November 16, 13:00 – 14:40

Place:　　Room 310 (3F)

Chairs:　　Jinro Ukita (Niigata University)

　　　　　Hiroyuki Wakabayashi (Nihon University)

13:00　　SNOWICE07　SAR INTERFEROMETRY OBSERVATIONS OF TIBETAN PLATEAU PERMAFROST AND GLACIER THAWING

C. K. Shum, Ohio State University, USA

13:20　　SNOWICE08　THE 2008 YUTIAN NORMAL FAULTING EARTHQUAKE (M7.2) AND NEARBY GLACIER SURFACE MOVEMENT, XINJIANG, CHINA

Masato Furuya, Hokkaido University, Japan

13:40　　SNOWICE09　RETRIEVAL OF THE THICKNESS DISTRIBUTION OF SUBARCTIC AND ARCTIC SEA ICE USING ALOS/PALSAR

Takenobu Toyota, Hokkaido University, Japan

14:00　　SNOWICE10　INTEGRATING REMOTE SENSING METHODOLOGY FOR MONITORING PERMAFROST LANDSCAPES USING ALOS SATELLITE DATA

Marius Necsoiu, Southwest Research Institute, USA

14:20　　SNOWICE11　Monitoring of Glacier Lakes in the Bhutan Himalayas by ALOS/PALSAR data

Tsutomu Yamanokuchi, Remote Sensing Technology Center of Japan, Japan

Vegetation Mapping, Forest & Wetland 1 (ORAL)

Date: Tuesday, November 16, 15:30 – 17:30

Place: Room 310 (3F)

Chairs: Shane Cloude (AEL Consultans)

          Ake Rosenqvist (soloEO)

15:30   FOREST01   DETECTING DEFORESTATION USING RADAR POLARIMETRY

         Shane Cloude, AEL Consultants, UK

15:50   FOREST02   THE IMPACT OF SURFACE MOISTURE ON MULTI-TEMPORAL ALOS PALSAR
                     BACKSCATTER MOSAICS IN QUEENSLAND, AUSTRALIA

         Richard Lucas, Aberystwyth University, UK

16:10   FOREST03   Ortho-rectification and calibration of multi-temporal ALOS PALSAR SCANSAR
                     data for mapping wetland dynamics

         Bruce Chapman, Jet Propulsion Laboratory, USA

16:30   FOREST04   PAN-TROPICAL FOREST COVER FROM ALOS-PALSAR DATA

         Josef Kellndorfer, The Woods Hole Research Center, USA

16:50   FOREST05   Revisiting PALSAR ScanSAR calibration:
                     assessing the [07/2008] SIGMASAR processor upgrade

         Ake Rosenqvist, solo EO, Sweden

17:10   FOREST06   MAPPING MANGROVES WITH THE ALOS SENSORS

         Masayuki Tamura, Kyoto University, Japan

SAR Cal/Val 1 (ORAL)

Date: Tuesday, November 16, 09:30 – 11:30

Place: Room 311 (3F)

Chairs: Ridha Touzi (Canada Centre for Remote Sensing)

          Yoshio Yamaguchi (Niigata University)

9:30   CALVAL01   **PALSAR INTERFEROMETRY STUDIES OF SURFACE DEFORMATIONS IN BAIKAL LAKE COASTAL AREA**

        Alexander Zakharov, Russian Academy of Sciences, Russia

9:50   CALVAL02   **USE OF SEGMENTATION FOR IMPROVING FOREST STRUCTURAL ESTIMATES FROM LIDAR AND SAR**

        Paul Siqueira, University of Massachusetts, USA

10:10   CALVAL03   **PROPOSAL OF A NEW ALGORITHM OF THE THREE-COMPONENT DECOMPOSITION FOR AZIMUTHALLY INCLINED OBJECTS**

        Shunichi Kusano, Tohoku Univesity, Japan

10:30   CALVAL04   **POLARIMETRIC DECOMPOSITION USING PARTICLE SWARM OPTIMIZATION**

        Toshifumi Moriyama, Nagasaki University, Japan

10:50   CALVAL05   **GLACIER PARAMETERS ESTIMATION AND SNOW CLASSIFICATION INTEGRATED INTERFEROMETRIC AND POLARIMETRIC SAR**

        Zhen Li, Chinese Academy of Sciences, China

11:10   CALVAL06   **A NOVEL METHOD FOR POLARIMETRIC SAR IMAGE SPECKLE FILTERING AND EDGE DETECTION**

        Si-Wei Chen, Tohoku University, Japan

SAR Cal/Val 2 (ORAL)

Date: Tuesday, November 16, 13:00 – 15:50

Place: Room 311 (3F)

Chairs: Wolfgang-Martin Boerner (Professor at the University of Illinois)

           Toshifumi Moriyama (Nagasaki University)

13:00	CALVAL07	**Classification of ALOS PALSAR Images over India using different polarization combinations**
		G Venkataraman, Indian Institute of Technology, Bombay, India
13:20	CALVAL08	**A NEW CLASSIFICATION TECHNIQUE FOR POLARIMETRIC SAR DATA AND ITS VERIFICATION WITH PALSAR DATA**
		Yisok Oh, Hongik University, Korea
13:40	CALVAL09	**GROUND SUBSIDENCE MONITORING USING PALSAR INTERFEROMETRY IN SHANGHAI DOWNTOWN AREA: A CASE STUDY**
		Jicang Wu, TONGJI UNIVERSITY, China
14:00	CALVAL10	**ALOS-INDONESIA POL-INSAR EXPERIMENT (AIPEX): FINAL RESULT**
		Mahmud Arifin Raimadoya, Bogor Agricultural University, Indonesia
14:20	CALVAL11	**EXPLOITATION OF DUAL AND FULL POLINSAR PALSAR DATA**
		Marco Lavalle, Jet Propulsion Laboratory, USA
14:40	CALVAL12	**UTILIZATION OF FULLY POLARIMETRIC ALOS-PALSAR DATA**
		Yoshio Yamaguchi, Niigata University, Japan
15:00		Coffee Break
15:30	CALVAL13	**POLARIMETRIC L-BAND PALSAR FOR PEATLAND CHARACTERIZATION**
		Ridha Touzi, Canada Centre for Remote Sensing, Canada

Land Use and Land Cover 1 (ORAL)

Date: Tuesday, November 16, 15:50 – 17:30

Place: Room 311 (3F)

Chairs: Ke-Sheng Cheng (National Taiwan University) 依頼中

          Yasunori Nakayama (Nihon University)

15:50   LAND01   COMPARING LANDCOVER PATTERNS IN TOKYO, KYOTO, AND TAIPEI USING ALOS MULTISPECTRAL IMAGES

                 Ke-Sheng Cheng, National Taiwan University, Taiwan

16:10   LAND02   THE DECREASING PROJECTS OF WILD BEASTS DAMAGES USING ALOS SATELLITE IMAGES IN RURAL AREA

                 Kiyoyuki Yaota, Ritsumeikan University, Japan

16:30   LAND03   MONITORING OF ENVIRONMENTAL CHANGES IN ASIAN MIDDLE LATITUDE ZONE BY ALOS DATA

                 Yasunori Nakayama, Nihon University, Japan

16:50   LAND04   ANALYSIS OF MULTI-MODE PALSAR DATA TO DETECT FOREST DEGRADATION IN THE HUMID TROPICS

                 Andreas Langner, Kyoto University, Japan

17:10   LAND05   Land-cover Classification Using Polarimetric PALSAR

                 Hasi Bagan, National Institute for Environmental Studies, Japan

Geography (ORAL)

Date: Tuesday, November 16, 09:30 – 11:30

Place: Room 312 (3F)

Chairs: Hajime Fukuchi (Tokyo Metropolitan University)

          Ya-Qiu Jin (Fudan University)

9:30   GEOGRA01   URBAN AREA APPLICATION AND CALIBRATION OF ALOS/PALSAR FULL
                      POLARIMETRIC OBSERVATION DATA

                      Hajime Fukuchi, Tokyo Metropolitan University, Japan

9:50   GEOGRA02   NOISE-REDUCTION AND EXTERIOR ORIENTATION IMPROVEMENT BY THE
                      COPLANARITY EQUATION FOR ALOS-PRISM

                      Pantelis Michalis, University College London, UK

10:10   GEOGRA03   POLARIMETRIC SCATTERING SIMULATION AND ANALYSIS FOR ALOS PALSAR
                      AND AIRBORNE PISAR IMAGES OVER FOREST CANOPY WITH/WITHOUT SNOW

                      Ya-Qiu Jin, Fudan University, China

10:30   GEOGRA04   Surface chlorophyll estimation by applying LCI method using ALOS AVNIR-2 data
                      in brackish lakes

                      Yuji Sakuno, Hiroshima University, Japan

10:50   GEOGRA05   FORECASTING LAND CHANGE IN KATHMANDU VALLEY, NEPAL

                      Rajesh Bahadur Thapa, University of Tsukub, Japan

11:10   GEOGRA06   PRISM DSM GENERATION STATUS

                      Junichi Takaku, Remote Sensing Technology Center of Japan, Japan

Disaster Management 1 (ORAL)

Date: Tuesday, November 16, 13:00 – 15:00

Place: Room 312 (3F)

Chairs: Manabu Hashimoto (Kyoto University)

            Yo Fukushima (Kyoto University)

13:00   DISAS01   **Ground deformation preceding the 2010 eruption of Eyjafjallajokull, Iceland**

                              Yosuke Aoki, University of Tokyo, Japan

13:20   DISAS02   **Crustal deformation research with ALOS-PALSAR data within the WinSAR consortium**

                              Falk Amelung, RSMAS University of Miami, USA

13:40   DISAS03   **ASSESSING DAMAGE OF FLOOD BY USING ALOS DATA IN THUA THIEN – HUE PROVINCE – VIETNAM**

                              Nguyen Van Thao, Institute of Marine Environment and Resouces, Vietnam

14:00   DISAS04   **ALOS PALSAR MEASUREMENTS OF DEFORMATION IN THE SAN FRANCISCO BAY AREA, CALIFORNIA**

                              Mong-Han Huang, University of California, Berkeley, USA

14:20   DISAS05   **GEOSTRUCTURAL AND HYDROGEOLOGICAL SETTING OF THE GALLABA PLAIN IN WEST ASWAN, EGYPT, AS REVEALED BY ALOS/PALSAR SUBSURFACE IMAGING**

                              Ahmed Gaber, Tohoku University, Japan

14:40   DISAS06   **ALOS PALSAR DEFORMATION MONITORING OVER ETNA, ITALY**

                              Urs Wegmuller, Gamma Remote Sensing AG, Switzerland

Disaster Management 2 (ORAL)

Date: Tuesday, November 16, 15:30 – 17:30

Place: Room 312 (3F)

Chairs: David Sandwell (University of California at San Diego)

         Falk Amelung (RSMAS University of Miami)

15:30   DISAS07   **EVALUATION OF POLARIMETRIC AND INSAR PALSAR DATA FOR FLOODPLAIN AND LAND USE/COVER MONITORING, AND FOR BIOMASS ESTIMATION IN SELECTED AMAZONIAN TEST SITES**
Sidnei Joao Siqueira Sant´Anna, INPE, Brazil

15:50   DISAS08   **NEW OBSERVATIONS OF THE LONGITUDINAL VALLEY FAULT CREEP (TAIWAN) FROM PS-INSAR USING ALOS DATA**

Erwan Pathier, Université Joseph Fourier, France

16:10   DISAS09   **INSAR MEASUREMENTS OF CRUSTAL DEFORMATION FROM THE 2010 M7.2 EL MAJOR-CUCAPAH EARTHQUAKE: LIQUEFACTION AND TRIGGERED SLIP**

David Sandwell, University of California at San Diego, USA

16:30   DISAS10   **THE 2010 MAULE, CHILE EARTHQUAKE: DOWNDIP RUPTURE LIMIT REVEALED BY ALOS INTERFEROMETRY**

Xiaopeng Tong, University of California, USA

16:50   DISAS11   **Kilauea volcano source models constrained by InSAR and GPS observations**

Paul Lundgren, Jet Propulsion Laboratory, USA

17:10   DISAS12   **CLASSIFICATION BETWEEN EUCALYPTUS AND PINE FORESTS USING OPTICAL AND RADAR IMAGES**
Diego de Abelleyra, INTA, Argentina

Ocean Processes & Monitoring (ORAL)

Date: Wednesday, November 17, 09:30 – 14:00

Place: Room 301/302 (3F)

Chairs: Leonid Mitnik (Russian Academy of Science)

          Osamu Isoguchi (JAXA)

9:30   OCEAN02   VALIDATION OF ALOS PALSAR SEA SURFACE WIND PRODUCTS

                   Xiaofeng Li, NOAA/NESDIS, USA

9:50   OCEAN03   IMPRINTS OF DYNAMIC OCEANIC AND ATMOSPHERIC PHENOMENA ON ALOS
                   PALSAR MOSAICS
                   Leonid Mitnik, Russian Academy of Science, Russia

10:10   OCEAN04   APLICATION OF ALOS AVNIR-2 IMAGES FOR ASSESSING THE COASTAL ZONE
                   RESOURCES IN INDONESIA
                   Sam Wouthuyzen, Research Center for Oceanography, Indonesia

10:30   OCEAN05   THE RELATIONSHIP BETWEEN NATURAL CONDITIONS WITH FORMATION AND
                   DEVELOPMENT OF CLAM GROUNDS (MERETRIX LYRATA) IN MEKONG DELTA
                   Tong Phuoc Hoang Son, Institute of Oceanography, Vietnam

10:50   OCEAN06   RETRIEVAL OF OCEAN WAVE PARAMETERS FROM ALOS/PALSAR

                   Osamu Isoguchi, JAXA, Japan

11:10   OCEAN07   OBSERVATION OF INTERTIDAL GROUNDWATER DISCHARGE WITH SYNTHETIC
                   APERTURE RADAR
                   Duk-jin Kim, Seoul National University, Korea

11:30   Lunch Break

13:00   OCEAN08   OIL SPILL MOINTORING WITH ALOS PALSAR IMAGES

                   Xiaofeng Li, NOAA/NESDIS, USA

13:20   OCEAN09   OBSERVATIONS OF CHLOROPHYLL-A CONCENTRATION AND ALGAL BLOOMS
                   AT UPWELLING AREA IN SOUTH CENTRAL VIETNAM FROM HIGH RESOLUTION
                   MULTI-SATELLITE DATA
                   Tong Phuoc Hoang Son, Institute of Oceanography, Vietnam

13:40   OCEAN10   MAPPING OF HUMAN ACTIVITIES RELATED TO FISHERIES AND ECOSYSTEMS
                   IN COASTAL AREAS
                   Teruhisa Komatsu, Univeristy of Tokyo, Japan

Agriculture (ORAL)

Date: Wednesday, November 17, 14:00 – 16:10

Place: Room 301/302 (3F)

Chairs: Nitai Kundu (Institute of Environmental Studies and Wetland Management)

         Naoki Ishitsuka (National Institute for Agro-Environmental Sciences)

14:00   AGRI01   AGRICULTURAL FIELDS MONITORING USING ALOS DATA IN JAPAN

                   Genya Saito, JAXA, Japan

14:20   AGRI02   STUDY OF THE EFFECT OF CHANGE IN LANDUSE IN SEWAGE-FED AQUA
                   CULTURE SYSTEM OF CALCUTTA USING REMOTE SENSING & GIS.

                   Nitai Kundu, Institute of Environmental Studies and Wetland Management, India

14:40   AGRI03   FLOOD EXTENT DETECTION IN PADDY AREA AND FUTURE PLAN OF DISASTER
                   INFORMATION SHARING PLATFORM IN RURAL AREAS

                   Yasuharu Yamada, National Agriculture and Food Research Organization, Japan

15:00   Coffee Break

15:30   AGRI04   OBSERVATION OF JAPANESE PADDY FIELDS USING MULTI POLARIMETRIC
                   PALSAR DATA

                   Naoki Ishitsuka, National Institute for Agro-Environmental Sciences, Japan

15:50   AGRI05   SUGARCANE IDENTIFICATION USING ALOS PALSAR DATA

                   Zhiyuan Pei, Chinese Academy of Agriculture Engineering, China

Land Use and Land Cover 2 (ORAL)

Date: Wednesday, November 17, 09:30 – 14:20

Place: Room 310 (3F)

Chairs: Scott A. Arko (Alaska Satellite Facility)

          Kanako Muramatsu (Nara Women's University)

9:30   LAND06   BAMBOO DISTRIBUTION MAPPING USING ALOS/ AVNIR-2 AND PRISM

                  Atsuko Nonomura, Kagawa University, Japan

9:50   LAND07   Extracting Key for Landcover Change using Multitemporal PALSAR Images

                  Antonius Bambang Wijanarto, The National Coordinating Agency for Surveys and Mapping, Indonesia

10:10   LAND08   GLACIER MONITORING IN SOUTH AMERICAN TROPICS USING ALOSPRISM SATELLITE IMAGES AND PHOTOGRAMMETRIC TECHNICS

                  Edson Ramirez, Universidad Mayor de San Andres, Bolivia

10:30   LAND09   Classification of Building Area Using Slant Angle and Density Indices Derived from Polarimetric SAR Data

                  Junichi Susaki, Kyoto University, Japan

10:50   LAND10   PRELIMINARY RESULTS OF MULTI-BASELINE INSAR WITH ALOS PALSAR DATASETS FOR HIGH-ACCURACY DEM GENERATION IN MOUNTAINOUS AREAS

                  Timo Balz, Wuhan University, China

11:10   LAND11   LANDSCAPE STRUCTURE OF MOUNTAIN FOREST IN NORTHEAST OF IRAN BY PRISM WITH RPC FILE

                  Hadi Fadaei, Kobe University , Japan

11:30   Lunch Break

13:00   LAND12   ANALYSIS OF COHERENCE VS. LANDCOVER USING ALOS PALSAR

                  Don Atwood, University of Alaska Fairbanks, USA

13:20   LAND13   ALOS AVNIR-2 AND LANDSAT-7 IMAGES FOR CORAL REEFS ECOSYSTEM DETECTION IN SPERMONDE ARCHIPELAGO, INDONESIA

                  Nurjannah Nurdin, Hasanuddin University, Indonesia

13:40   LAND14   DETECTING A BURNED AREA BY POLARIZATION RATIO OF DIFFERENCE USING ALOS PALSAR DATA

                  Keiko Ishii, Remote Sensing Technology Center of Japan, Japan

14:00   LAND15   DISCRIMINATION OF BUILT-UP AREAS USING POLARIZATION ORIENTATION FROM POLARIMETRIC PALSAR IMAGES

                  Hiroshi Kimura, Gifu University, Japan

Geology (ORAL)

Date: Wednesday, November 17, 14:20 – 16:10

Place: Room 310 (3F)

Chairs: Pierre Briole (Ecole Normale Superieure)

          Jyr-Ching Hu (National Taiwan University)

14:20   GEOLO01   ALOS PALSAR INTERFEROMETRY IN THE WESTERN CORINTH RIFT, GREECE

                     Pierre Briole, Ecole Normale Superieure, France

14:40   GEOLO02   INVESTIGATION OF EARTHQUAKE-CYCLE DEFORMATION IN TIBET FROM ALOS PALSAR DATA

                     Mong-Han Huang, UC Berkeley, USA

15:00   Coffee Break

15:30   GEOLO03   Finite Fault Inversion of 2010 Yushu Earthquake from ALOS and Envisat Observations

                     Xu Caijun, Wuhan University, China

15:50   GEOLO04   ALOS PALSAR INTERFEROMETRY AT ETNA, COMPLEMENTARITY WITH ENVISAT ASAR AND GPS

                     Pierre Briole, Ecole Normale Superieure, France

Vegetation Mapping, Forest & Wetland 2 (ORAL)

Date: Wednesday, November 17, 09:30 – 11:30

Place: Room 311 (3F)

Chairs: Josef Kellndorfer (The Woods Hole Research Center)

          Manabu Watanabe (Tohoku University)

9:30   FOREST07   INTEGRATION OF ALOS PALSAR AND LANDSAT FPC FOR MAPPING FOREST
                     GROWTH STAGE QUEENSLAND, AUSTRALIA

                     Richard Lucas, Aberystwyth University, UK

9:50   FOREST08   LAND COVER CLASSIFICATION IN CENTRAL KALIMANTANG, INDONESIA USING
                     ALOS-AVNIR AND PALSAR

                     Toshihisa Honma, Hokkaido University, Japan

10:10   FOREST09   CLOUD REMOVAL OF OPTICAL IMAGE USING INTERPOLATION FROM SIMILAR
                     AND NEAREST PIXELS

                     Nguyen Thanh Hoan, Chiba University, Japan

10:30   FOREST10   Observation of active layer in permafrost using the PALSAR/full polarimetry mode

                     Manabu Watanabe, Tohoku University, Japan

10:50   FOREST11   THE VEGETATION COVER DYNAMIC OF NORTH-EAST EUROPEAN RUSSIA IN
                     ECOLOGICAL GRADIENTS BY RADAR AND OPTICAL DATA

                     Vladimir Elsakov, Institute of Biology of Komi ScC RAS, Russia

11:10   FOREST12   ALOS PALSAR 50M MOSAIC DATA WITH MULTISCALE TEXTURE FOR
                     TROPICAL FOREST MAPPING

                     Preesan Rakwatin, Geo-Informatics and Space Technology Development Agency,
                     Thailand

Vegetation Mapping, Forest & Wetland 3 (ORAL)

Date: Wednesday, November 17, 13:00 – 15:00

Place: Room 311 (3F)

Chairs: Ake Rosenqvist (soloEO)

        Richard Lucas (Aberystwyth University)

13:00   FOREST13   STUDY OF VEGETATION IN SIBERIAN TEST SITES BY MEANS OF QUAD-POL
                   PALSAR IMAGES

                   Ludmila Zakharova, Russian Academy of Sciences, Russia

13:20   FOREST14   GENERATION OF DECADAL GLOBAL HIGH RESOLUTION L-BAND SAR
                   DATASET FOR FOREST CARBON TRACKING

                   Masanobu Shimada, JAXA, Japan

13:40   FOREST15   The ALOS Kyoto & Carbon Initiative – current status and outcomes

                   Ake Rosenqvist, soloEO, Sweden

14:00   FOREST16   ASSESSMENT OF DIFFERENT TOPOGRAPHIC CORRECTION METHODS IN ALOS
                   AVNIR-2 DATA OF A FORESTED AREA

                   Nafiseh Ghasemi, KNTUniversity of technology, Iran

14:20   FOREST17   CHARACTERISATION AND MONITORING OF MANGROVES USING ALOS PALSAR
                   DATA

                   Richard Lucas, Aberystwyth University, UK

14:40   FOREST18   Analysis of ALOS-PALSAR and TerraSAR-X data for protected area mapping:
                   Case of the Bwindi National Park.

                   John Richard Otukei, Universität Salzburg, Austria

Disaster Management 3 (ORAL)

Date: Wednesday, November 17, 09:30 – 13:20

Place: Room 312 (3F)

Chairs: Urs Wegmuller (Gamma Remote Sensing AG)

          Makoto Murakami (Hokkaido University)

9:30   DISAS13   **MONITORING THE UPS AND DOWNS OF SUMATRA AND JAVA WITH D-INSAR TIME-SERIES**

                      Falk Amelung, RSMAS University of Miami, USA

9:50   DISAS14   **A decade of L-band, C-band and X-band SAR Interferometry observations for monitoring deformation associated with landslides and developed groundwater basins in Iran**
                      Mahdi Motagh, GFZ German Research Centre for Geosciences, Germany

10:10   DISAS15   **COSEISMIC DEFORMATION ASSOCIATED WITH WENCHUAN EARTHQUAKE OBSERVED FROM ALOS/PALSAR AND GPS**

                      Xiaoli Ding, Hong Kong Polytechnic University, China

10:30   DISAS16   **REPORT OF CURRENT STATUS OF TEST SITES OF LANDSLIDE IN JAPAN**

                      Ryoichi Furuta, Remote Sensing Technology Center of Japan, Japan

10:50   DISAS17   **PRELIMINARY RESULTS OF LANDSLIDE MONITORING USING ALOS PALSAR DATA STACKS IN THE THREE GORGES AREA**

                      Timo Balz, Wuhan University, China

11:10   DISAS18   **Secular Crustal Deformations Derived from 4 Year Long Observation of ALOS/PALSAR**

                      Manabu Hashimoto, Kyoto University, Japan

11:30   Lunch Break

13:00   DISAS19   **VERTICAL DISPLACEMENTS AT KILAUEA VOLCANO MEASURED BY SMALL-BASELINE INSAR TIME-SERIES ANALYSIS USING PALSAR DATA**

                      Yo Fukushima, Kyoto University, Japan

Poster Session

Date: Tuesday, November 16, 18:00 – 19:00

Place: Room 301/302 (3F)

List of Posters

SAR Cal/Val
EVALUATION OF VARIOUS SCATTERING COMPONENT DECOMPOSITION TECHNIQUES OF POLSAR DATA FOR FOREST
Hiroyoshi Yamada, Niigata University, Japan

DERIVING GLACIER BORDER INFORMATION BASED ON ANALYSIS OF INSAR DECORRELATION USING ALOS/PALSAR DATA
Zhou Jianmin, Chinese Academy of Science, China

Long Time Span Interferograms and Effects of Snow Cover on Interferometric Phase at L-band
Khalid A. Soofi, ConocoPhillips, USA

Land Use & Land Cover
ALGORITHM FOR PROCESSING PAN-SHARPEN IMAGE BASED ON REFLECTANCE
Kanako Muramatsu, Nara Women's University, Japan

RICE AREAS MAPPING USING ALOS PALSAR FBD DATA CONSIDERING THE BRAGG SCATTERING IN L-BAND SAR IMAGES OF RICE FIELDS
Feilong Ling, Fuzhou University, China

RETRIEVAL OF GROUND DEFORMATION USING ALOS PALSAR DINSAR IN CHINA
Zhang Hong, Chinese Academy of Science, China

DIFFERENTIAL SEGMENT SORTING METHODOLOGY USING TEMPORAL FULL POLARLIMETRIC SAR DATA FOR URBAN CHANGE DETECTION
Masafumi Nakagawa, Shibaura Institute of Technology, Japan

Snow & Ice
ESTIMATION OF SEA ICE CONCENTRATION IN THE SEA OF OKHOTSK USING PALSAR POLARIMETRIC DATA
Hiroyuki Wakabayashi, Nihon University, Japan

ANALYSIS OF PALSAR BACKSCATTER RESPONSE FOR VARIOUS TARGETS IN GLACIATED TERRAIN
Gulab Singh, Niigata University, Japan

Current state of glacier hazards in the Tien Shan mountains
Chiyuki Narama, Research Insitute for Humanity and Nature, Japan

Vegetation Mapping, Forest & Wetlands
Combining ALOS PALSAR and TerraSAR-X data for aboveground biomass assessment in tropical peat swamp forests
Florian Siegert, Ludwig-Maximilians-University, Germany

COMBINATION OF OPTICAL AND MICROWAVE DATA OF ALOS FOR TROPICAL FOREST MAPPING
Nguyen Thanh Hoan, Chiba University, Japan

RESEARCH ON FOREST ABOVEGROUND BIOMASS ESTIMATION USING ALOS PALSAR DATA AND ICESAT GLAS WAVEFORM
Guo Zhifeng, Chinese Academy of Sciences, China

FIELD SURVEY OF FOREST ABOVE-GROUND BIOMASS IN MONGOLIA FOR THE ALGORITHM DEVELOPMENT BY PALSAR
Rikie Suzuki, Japan Agency for Marine-Earth Science and Technology, Japan

MAPPING LAKE-BASIN SOLELY USING ALOS PRISM DATA FOR MONITORING LAKE WATER STORAGE
Yuanbo Liu, Chinese Academy of Sciences, China

DIRECTIONALITY OF AVNIR-2-BASED NDVI AND ALOS PALSAR-BASED INTENSITES ON TOPOGRAPFIC EFFECTS AFFECTING FOR FOREST COMPARTMENTS
Choen Kim, Kookmin University, Korea

Retrieval of soil moisture using multi-polarization L-band SAR data
Gulab Singh, Niigata University, Japan

FOREST MANAGEMENT MAPPING, MONITORING, AND INFERENCE OF BIOPHYSICAL PARAMETERS BASED ON ALOS PALSAR AND COSMO SKYMED DATA
Francesco Holecz, sarmap, Switzerland

Geography
Monitoring of "Quebrada", the dry river channels on the Nasca Pampa, Peru
Isao Akojima, Yamagata University, Japan

Using ALOS Images to Develop Efficient Measures against Vector-born Diseases - Regional Differences in Outbreak Risk of Schistosomiasis in China
Naoko Nihei, National Institute of Infectious Diseases, Japan

ESTIMATION OF ALOS PALSAR AND OTHER RADAR SATELLITE DATA FOR GEOLOGICAL AND GEOECOLOGICAL APPLICATION
Irina Smirnova, Institute of Remote Sensing Methods for Geology (VNIIKAM), Russia

SEMI-AUTOMATIC TOOL FOR DATA FUSION
―for the Advanced Education using ALOS Data―
Toshiro Sugimura, RESTEC, Japan

A STUDY ON USE OF ALOS DATA FOR PROTECTION OF MESOPOTAMIAN ARCHAEOLOGICAL SITES
Isamu Ono, Kokushikan University, Japan

Disaster Management
ALOS INVESTIGATING LANDSLIDES AND DEBRIS-FLOW IN TIBET CHINA
Wang Zhihua, AGRS, China

DETECTION OF THE WIDE-AREA CRUSTAL MOVEMENT IN KYUSHU USING ALOS/PALSAR DATA
Nobuhiro Tomiyama, RESTEC, Japan

Digital Elevation Model (DEM) Generation from PRISM Forward-Backward Stereo Images
Mohd Zubir Mat Jafri, Universiti Sains Malaysia, Malaysia

LONG TIME SPAN INTERFEROGRAMS AND EFFECTS OF SNOW COVER ON INTERFEROMETRIC PHASE AT L-BAND
David Sandwell, University of California at San Diego, USA

Hydrology & Water Resource
STUDY OF THE SOIL MOISTURE VARIATION IN THE KOBUK RIVER VALLEY (ALASKA) WITH PALSAR/ALOS: CALIBRATION REQUIREMENTS FOR ALOS-2
Takeo Tadono, JAXA, Japan

GROUND SUBSIDENCE MONITORING BY SBAS ANALYSIS IN MINING AREAS
Sang-Wan Kim, Sejong University, Korea

Ocean Processes & Monitoring
ASSESSMENT OF THE DISTRIBUTION AND HEALTH STATUS OF CORAL REEFS IN VIETNAM COAST USING ALOS-AVNIR2 IMAGERY
Tong Phuoc Hoang Son, Institute of Oceanography, Vietnam

MONITORING OF PACIFIC SAURY AND JAPANESE COMMON SQUID FISHING VESSELS USING PALSAR DATA
Fumihiro Takahashi, Hokkaido University, Japan

USING ALOS DATA FOR MONITORING RED-SOIL SEDIMENTATION IN REEF PONDS OFF OKINAWA ISLAND
Katsuo Okamoto, National Institute for Agro-Environmental Sciences, Japan

OPT CalVal/Image
COMPARISON OF ALOS/PRISM AND CARTOSAT-1 SATELLITES FOR MAPPING
P.V Radhadevi, ADRIN, India

Agriculture
Report of Grassland Degradation Survey In Innermongolia Based on Remote Sensing
Zhang Wei, China Agricultural University, China

OBSERVATION OF PADDY RICE USING MULTI TEMPORAL PALSAR DATA
Naoki Ishitsuka, National Institute for Agro-Environmental Sciences, Japan

UTILIZATION OF ALOS DATAFORWATER RESOURCES DEVELOPMENT IN CAMBODIA
Pich Veasna, Ministry of Water Resources and Meteorology, Cambodia

Geology
FIRST SAR INTERFEROMETRIC DATA RECEIVED FOR SOUTH-WEST PART OF BAIKAL RIFT SYSTEM
Ludmila Zakharova, Russian Academy of Science, Russia

SPATIAL VARIATION OF VERTICAL CRUSTAL DEFORMATION FROM PS-INSAR AND CONTINUOUS GPS IN EASTERN TAIWAN
Jyr-Ching Hu, National Taiwan University, Taiwan

International Polar Year

STUDY ON SHIRASE GLACIER MOVEMENT USING ALOS DATA
Kazuki Nakamura, National Institute of Advanced Industrial Science and Technology, Japan

REVELATION OF ACTIVE CONTEMPORARY FAULTS USING PALSAR DATA IN OIL AND GAS EXPLORATION WORK
Dmitry Trofimov, RESENOIL Ltd, Russia

ALOS Kyoto & Carbon Initiative Science Team

ALOS PALSAR mosaics over North and South America
Bruce Chapman

Wetland management and wild life protection in the Pantanal
Maycira Costa

Near Real Time Monitoring of Brazilian Amazon Deforestation
Silvana Amaral and Dalton Valeriano

A fine resolution wall-to-wall mosaic of the African continent
Gianfranco De Grandi, Ake Rosenqvist and Alexandre Bouvet

National clear-cut mapping in Sweden
Johan Fransson and Maurizio Santoro

Habitat mapping for biodiversity and conservation on the Amazon floodplain
Laura Hess

Mapping of peat swamp forests in Indonesia
Dirk Hoekman

Land cover and topographic mapping at national scale in Malawi
Francesco Holecz

Forest Cover Mapping and Change Detection in the Xingu Watershed, Mato Grosso, Brazil
Josef Kellndorfer

Mapping 10-year changes in forest biomass in Central Siberia
Thuy Le Toan

Mapping of Land Cover in Riau Province, Sumatra, Indonesia
Nicolas Longépé and JAXA K&C team

Estimation of forest biomass in Queensland, Australia
Richard Lucas

Mapping Wetland Ecosystems across Alaska
Kyle McDonald

Near Real-Time Monitoring of Brazilian Amazon Deforestation
Humberto Navarro de Mesquita Junior

Wetland extent, inundation patterns and vegetation change in the Greater Mekong Basin
Anthony Milne and Ian Tapley

Mapping of sub-surface geology in Sahara to support water prospecting
Philippe Paillou

Mapping deforestation in Sumatra using multi-temporal ALOS ScanSAR data
Shaun Quegan

Mapping for threatened wetlands along the Nile river
Lisa-Maria Rebelo

Flood duration mapping in the Congo River Basin
Ake Rosenqvist

Mapping and monitoring rice agriculture with ALOS ScanSAR imagery
William Salas

Boreal Land Cover and Forest Structure Mapping in Siberia
Christian Thiel, Christiane Schmullius and Maurizio Santoro

Detecting 14-year tropical forest change by ALOS and JERS-1
Masanobu Shimada and JAXA EORC team

SAR, InSAR and Lidar Studies for Measuring Vegetation Structure Over the Harvard Forest Region
Paul Siqueira

Estimates of lake size distribution and carbon burial across the Canadian landscape
Kevin Telmer