

Dragon Programme 2004 to 2007
Xiamen Symposium, P.R. China

AGENDA

Day 1 Tuesday 27 April 2004

08:00- 09:00

Registration

Opening Session

*Chairpersons: Mr. Zhang Guocheng (NRSCC)
 Prof. Jose Achache (ESA)*

09:00-09:30

Official Welcome

- Zhang Guocheng, General director, National Remote Sensing Centre of China
- Jose Achache ESA Director of Earth Observation Programmes
- Wang Qinmin, Spatial Information Research Centre, Fuzhou University
- Local official Xiamen, TBD

09:30-09:45

China Earth Observation Satellite and Applications

**Li Deren
(LIESMARS)**

09:45-10:00

[ESA Earth Observation Satellite and Applications](#)

**Jose Achache
(ESA)**

10:00-10:40

[Programme and Organisation](#)

**Li Zengyuan
(CAF)
Yves-Louis
Desnos (ESA)**

10:40-11:00

Overview of Digital Fujian

**Wang Qinmin
(SIRC)**

11:00-11:30

Dragon Photo-call and Refreshments

EO Missions for Dragon Programme

*Chairpersons: Yves-Louis Desnos (ESA)
 Li Zengyuan (CAF)*

11:30-12:00

[Presentation of ESA EO Mission Serving the Dragon Programme](#)

**Stephen
Briggs (ESA)**

12:00-12:30

[National Receiving Station - Reception and Processing of ERS & Envisat data in China](#)

**Li An
(CRSGS)**

12:30-14:00

Lunch

Session 2: Agriculture

*Chairpersons: Wang Qinmin (SIRC)
 Thuy Le Toan (CESBIO)*

14:00-14:45

2.1 Agricultural Monitoring in Fujian Province

15 mins

[Agriculture and Land Use: ENVISAT Applications in Fujian Province - Project Overview](#)

**Shaun Quegan
(CTCD)**

15 mins	Project Teaming - Spatial Information Research Centre	Wang Qinmin (SIRC)
10 mins	EO and GIS as Aids to Sustainable Development in Southern China	Mike Wooding (RSAC)
5 mins	Project Planning, Trainee Exchanges & Knowledge Transfer	Shaun Quegan (CTCD)
14:45-15:30	2.2 Rice Monitoring	
25 mins	Rice Monitoring in China, Project Overview & State of the Art	Thuy Le Toan (CESBIO)
20 mins	Rice Mapping Using SAR Data in the South of China	Tan Bingxiang (CAF) & Mike Wooding (RSAC)
15:30- 16:00	Refreshment Break	
Session 3: Forestry		
<i>Chairpersons: Christiane Schmullius (FSUJ) Wang Chao (CAS)</i>		
16:00- 16:45	3.1 Forest Map of China	
15 mins	The Forest DRAGON (Forest-related Development of Radar Applications for Geomatic Operational Networks)	Christiane Schmullius (FSUJ)
15 mins	Mapping China Forest with ERS SAR Tandem Data	Li Zengyuan (CAF)
15 mins	Overview on Forest Mapping Using ERS and ASAR	Maurizio Santoro (FSUJ)
16:45- 17:30	3.2 Forest Fire Monitoring	
10 mins	Forest Fire Monitoring Demonstration by Satellite Remote Sensing in China - General Overview	José-Luis Casanova (UV)
15 mins	Forest Fire in China: Forest Fire Monitoring, Damage Evaluating and Risk Predicting	Qin Xianlin (CAF) presented by José-Luis Casanova (UV)
20 mins	Fire Risk Mapping, Fire Detection and Monitoring and Burnt Area Cartography	Abel Calle (UV)
18:00	Official Reception	MOST/NRSCC hosted reception
Day 2 Wednesday 28 April 2004		
09:00- 09:45	3.3 Deriving Forest Information from POLInSAR data	
15 mins	Polarimetric SAR Interferometry for Quantitative Vegetation Parameter Estimation	Kostas Papathanassiou (DLR) & Chen Erxue (CAF)
15 mins	Potential of POLInSAR to Estimate Forest Biomass	Tobias Mette (DLR)
15 mins	POLInSAR Classification of Natural Scenes. An Application of the PolSARpro Toolbox	L. Ferro-Famil (UR) & E. Pottier (UR)
Session 4: Elevation Models and Land Motion		

Chairpersons: *Li Deren (LIESMARS)*
Fabio Rocca (Politecnico di Milano)

09:45- 10:30	4.1 Terrain Measurement	
25 mins	Topographic Measurement Project Overview and Preliminary Results	Li Deren (LIESMARS)
20 mins	Applications of Classical and PS Interferometry	Fabio Rocca (P di M)
10:30- 11:00	Refreshments	
11:00- 11:45	4.2 Monitoring Seismic Activity	
25 mins	Seismic and Inter-seismic Deformation Across Two Main Strike-slip Faults of Tibet (the Kunlun and the Haiyaun Faults), from InSAR and Preliminary Results of Bam (IRAN) Earthquake by ASAR Interferometry	Sun Jianbao (CSB)
20 mins	Co-seismic Deformation from the Mw=7.8 Kokoxili Earthquake Along the Kunlun fault and Interseismic Strain Across the Haiyuan Fault in NE Tibet, from Spatial Geodesy	Cecile Lasserre (ENS) presented by Sun Jianbao (CSB)
11:45- 12:30	4.3 Landslide Displacement Monitoring	
15 mins	Monitoring Landslides in the Three Gorges Area by Using Corner Reflector Differential SAR Interferometry	Zeng Qiming (PKU)
15 mins	Assessment of SRTM DEM Data for Landslide Susceptibility Mapping and for Use in Processing ERS and ENVISAT dIfSAR	Jan-Peter Muller (UCL)
15 mins	Tropospheric Correction Techniques in Repeat-pass SAR Interferometry	Zhenhong Li (UCL)
12:30- 14:00	Lunch break	

Session 5: Flooding and Hydrology

Chairpersons: *Hervé Yesou (SERTIT)*
Li Jiahong (NRSCC)

14:00- 14:45	5.1 Flood Plain Disaster Rapid Mapping and Monitoring	
15 mins	An Overview of Dragon 2551: Assessment of the Synergistic Exploitation of Envisat ASAR and MERIS data for Flood Plain Rapid Mapping and for Flood Support Risk Assessment	Shifeng Huang & Li Jiren (IWHR)
15 mins	Specific Requirements and Expected Results for Prevention and Risk Assessment	Li Jing (BNU)
15 mins	Methods and Possibilities of Spatial Techniques in Flood Rapid Mapping and Flood Risk Management	Yesou Hervé (SERTIT)
14:45- 15:30	5.2 Satellite Tools for Water Resources Assessment	
5 mins	Satellite Tools for Water Ressources Assessment and Management at River Basin Scales	Ghislain de Marsily (UPMC)
15 mins	Hydrological Model Parameterization Based on Remote Sensing and GIS	Xin Jingfeng (IWHR)
15 mins	Remote Sensing in Pavia & the Dragon Project	Fabio Dell'Acqua (U di P)
10 mins	Work Programme	Ghislain de Marsily (UPMC)
15:30- 16:00	Refreshments	

16:00- 16:45	5.3 China Drought Monitoring	
25 mins	Introduction of Dragon Project 2608 and Drought Monitoring in China	Youqi Chen (INR & RP)
20 mins	Drought Monitoring and Prediction Over China - The State of the Art	Bob Su (UW)
16:45- 17:30	5.4 Coupling Climate and Ocean Systems	
45 mins	Coupling and Variability of the Southeast Asian Monsoon and Ocean Systems (SAMOS)	Johnny Johannessen (NERSC) & Hui-Jun Wang (IAC-CAS)
18:00	Reception/cultural event	ESA hosted reception

Day 3 Thursday 29 April 2004

Session 6: Atmosphere

Chairpersons: *Paul Simon (IASB)*
Li Jiahong (NRSCC)

09:00- 09:45	Chemistry Climate Change in the Atmosphere	
10 mins	DRAGON-STAR Exploitation of GOMOS and MIPAS Measurements for Studying Changes in the Middle Atmosphere	Erkki Kyrölä (FMI)
10 mins	Near Real Time Operation with MIPAS Instrument	Bruno Carli (IFA-CNR)
10 mins	An Integrated Approach to Study Chemistry/Climate Change in the Atmosphere	Paul Simon (IASB)
10 mins	Detecting Ozone in the Atmosphere from Satellite in NSMC	Qui Hong et al. (NSMC)
09:45- 10:30	Air Quality Monitoring and Forecasting	
5 min	An Overview of the Air quality Monitoring and Forecasting In China Project	Ronald Van der A (KNMI)
20 mins	Air Pollution Monitoring with GOME and SCIAMACHY	Ronald Van der A (KNMI) et al.
20 mins	Preliminary of air quality monitoring in China	Peng Zhang (NSMC)
10:30- 11:00	Refreshment Break	

Session 7.1: Ocean

Chairpersons: *Werner Alpers (UH IO)*
He Mingxia (OUC)

11:00- 12:00	Ocean Environment and Climate	
15 mins	Overview of project ID 2566	He Ming-Xia (OUC)
15 mins	Retrieval and Applications of MERIS Data in Coastal Oceans	Roland Dörffer (GKSS)
15 mins	The First Experiment of Internal Waves Using Simultaneous In-situ and Envisat/ASAR Data in the China Seas	He Ming-Xia (OUC) et al.
15 mins	Identifying Marine Turbidity from Space Observation	Andre Morel & Simon Balanger (UP & MC)

Session 7.2: Ocean

*Chairpersons: Werner Alpers (UH IO)
He Mingxia (OUC)*

12:00- 13:00	Ocean Environment and Climate	
15 mins	Atmospheric Correction of MERIS Data above Coastal Waters	Jürgen Fischer (FUB)
15 mins	Research of Shallow Water Topography Detection Using SAR Images in China Seas	Junmin Meng & Zhang Jie (FIO)
15 mins	Internal Waves in the East China Sea and the Yellow Sea Studied by SAR, MERIS, MODIS and ASTER imagery.	Werner Alpers (UH IO)
13:00- 14:00	Lunch	

Bilateral Co-operation Projects Relevant to Dragon

*Chairpersons: Yves-Louis Desnos (ESA)
Zheng Lizhong (NRSCC)*

20 mins	Flood Modelling and Hydrology - Italy-China Co-operation	Wang Wen (NRSCC) & Pierluigi Potenza (Italeco)
20 mins	Coal Fire Research Initiative - Sino-German Co-operation	Li Jiahong (NRSCC) & Claudia Kuenzer (DLR)
20 mins	Water Risk Management (WARM) France-China Co-operation	Li Jin (GIC) & Murielle Costes (CNES)
20 mins	Ocean Climate Research - Norway-China Co-operation	Johnny Johannsen (NERSC) & Ming-Xia He (OUC)
15:30- 16:00	Refreshments	

Special PI Envisat Session

16:00-16:30	ENVISAT and ERS Missions Data Requirements and Access - Presentation	Pierre Potin (ESA)
	ENVISAT and ERS Missions Data Requirements and Access - Technical Note	Pierre Potin (ESA) & Rita Malosti (Serco)
16:30- 17:00	Closing session	Li Zengyuan (NRSCC) Stephen Briggs (ESA)

Day 4 Friday 30 April 2004

09:00-12:00	Opportunity for Team meetings between Chinese and European Partners and Work Planning	Splinter sessions
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