



**UNITED NATIONS**  
**Office for Outer Space Affairs**



**Ministry of Civil Affairs of the**  
**People's Republic of China**

**United Nations International Conference on  
Space-based Technologies for Disaster Risk Management  
“Best Practices for Risk Reduction  
and Rapid Response Mapping”**

Organised by the  
United Nations Office for Outer Space Affairs (UNOOSA)  
(UN-SPIDER)  
and the  
Ministry of Civil Affairs of the People's Republic of China

22 – 25 November 2011  
Beijing, CHINA

**In collaboration with**

Department of Treaty and Law,  
Ministry of Foreign Affairs of the People's Republic of China

System Engineering Department,  
China National Space Administration (CNSA)

National Disaster Reduction Center of China,  
Ministry of Civil Affairs of the People's Republic of China

Institute of Remote Sensing Applications,  
Chinese Academy of Sciences

Asia Pacific Space Cooperation Organisation (APSCO)

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**Overview**

	<b>Tuesday 22 November</b>	<b>Wednesday 23 November</b>	<b>Thursday 24 November</b>	<b>Friday 25 November</b>
<b>Morning</b>	08:30 Registration 09:30 Opening Session 11:00 Plenary Session 1	09:00 Plenary Session 4 11:00 Plenary Session 5	09:00 Plenary Session 6 11:00 Plenary Session 7	Closed meeting of the UN-SPIDER and close partner (TAM countries, Regional Support Offices and partner organisations)
<b>Lunch</b>	12:40-14:00	12:40-14:00	12:40-14:00	12:40-14:00
<b>Afternoon</b>	14:00 Plenary Session 2 16:00 Plenary Session 3	14:00 Side Meeting 1 (Technical Advisory for China on Rapid Mapping) Breakout Discussion 16:30 Summary from side meeting 1 and breakout discussion	14:00 Side Meeting 2 (Sino-Africa technical meeting) Breakout Discussion 15:40 Side Meeting 3 (Capacity building opportunities) Breakout Discussion 16:30 Summary from side meeting 2&3 and breakout discussion 17:30 Closing Session	Technical Advisory Visit to NDRCC
<b>Evening</b>	18:00 Icebreaker by the Ministry of Civil Affairs	18:00 Reception by DigitalGlobe		



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**Day 1 (22 November 2011): Pre-lunch Session (Venue: Plenary Hall on 3<sup>rd</sup> Floor)**

Time	Activity	Country/Organisation	Speaker
08:30-09:30	<b>Registration</b>		
09:30-10:30	<b>Opening Remarks (5 min)</b> Chair: MoCA	Ministry of Civil Affairs, China	Ms. Chai Mei
	UNDMT (10 minutes)	UNICEF, China	Ms. Gillian Mellsop
	MoCA(10 minutes)	MoCA, China	Mr. Zhang Weixing
	MoFA (10 minutes)	MoFA, China	Mr. Ma Xinmin
	CNSA (10 minutes)	CNSA, China	Mr. Li Guoping
	Keynote presentation by UNOOSA (15 minutes)	UN-SPIDER, Austria	David Stevens
<b>10:30-11:00</b>	<b>Group photo &amp; Coffee Break</b>		
<b>11:00-12:40</b>	<b>Session 1: Global space based resource for disaster management</b>		<b>Chair: Jun Chen</b>
11:00-11:15	1. Collaborative Geo-information Service for disk risk management	Secretary General of ISPRS, China	Jun Chen
11:15-11:30	2. Capacity of EO data sharing and service	CEODE, China	Wanchang Zhang
11:30-11:45	3. GeoMetWatch-STORM: The Next-Generation Global Space-based Disaster Information Observatories in this meeting	Cooperative Institute for Meteorological Satellite Studies (CIMSS), USA	Hung Lung Allen Huang
11:45-12:00	4. GIS and Remote Sensing for natural disaster support: emergency and planning actions.	University of Sao Paulo, Brazil	Luiz Augusto Manfré
12:00-12:15	5. Seconds to Anywhere (Emergency Response)	DigitalGlobe, Singapore	Abhineet Jain
12:15-12:40	Discussions		
<b>12:40-14:00</b>	<b>Lunch (Venue: 2<sup>nd</sup> Floor)</b>		



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**Day 1 (22 November 2011): Post-lunch Session (Venue: Plenary Hall on 3<sup>rd</sup> Floor)**

Time	Activity	Country/Organisation	Speaker
<b>14:00-15:40</b>	<b>Session 2: Portals and platforms contributing to disaster risk management and emergency response</b>		<b>Chair: Gu Xingfa, IRSA</b>
14:00-14:15	6. Earth observation system and its application to disaster management and emergency response in China	Institute of Remote Sensing Applications (IRSA), CAS, China	Meng Qingyan
14:15-14:30	7. Global data sources such as ReliefWeb, GDACS, and OCHA's Common Operational Dataset Registry	OCHA Bangkok, Thailand	John E. Marinos
14:30-14:45	8. Cartography and GIS in Non-Standard Situations	University of Vienna, Austria	Wolfgang Kainz
14:45-15:00	9. UN-SPIDER Knowledge Portal	UN-SPIDER, Bonn, Germany	Peter Stumpf
15:00-15:15	10. Satellite Sentinel Project: The Implications For Mass Atrocity Detection & Deterrence	Harvard University, USA	Isaac Lawrence Baker
15:15-15:40	Discussions		
<b>15:40-16:00</b>	<b>Coffee break</b>		
<b>16:00-17:40</b>	<b>Session 3: Rapid Response Mapping</b>		<b>Chair: Siquan Yang, NDRCC</b>
16:00-16:15	11. Rapid response systems for Volcanic risk support developed for Italy and in the GMES core services	I.N.G.V. - Istituto Nazionale di Geofisica e Vulcanologia, Italy	Massimo Musacchio and Maria Fabrizia Buongiorno
16:15-16:30	12. Application of GIS in Rapid Mapping	IGSNRR, China	Yingjie Wang
16:30-16:45	13. PASC0's approach mitigating disasters from the spaceborne information in special reference to The Great East Japan Earthquake 2011	PASCO, Japan	Tadashi Sasagawa
16:45-17:00	14. The use of satellite data and geospatial intelligence for flood risk assessment	Space Research Institute NASU-NSAU, Ukraine	Sergii Skakun
17:00-17:15	15. Risk Warning and Crisis Management for Dust Storm Effects along Western border of Iran	Iranian Space Agency	Mohammad Morabbi
17:15-17:40	Discussions		
<b>18:00-19:30</b>	<b>Icebreaker hosted by Ministry of Civil Affairs (2<sup>nd</sup> Floor)</b>		<b>Mr. Kang Peng</b>



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**Day 2 (23 November 2011): Pre-lunch session (Venue: Plenary Hall on 3<sup>rd</sup> Floor)**

Time	Activity	Country/Organisation	Expert
<b>09:00-10:40</b>	<b>Session 4: International/regional rapid mapping initiatives/practices</b>		<b>Chair: Giorgio Sartori, WFP</b>
09:00-09:15	16. WFP experience in using SAFER and the EU Emergency Services	WFP, Italy	Giorgio Sartori
09:15-09:30	17. Role of geo-information in emergency management in West & Central Africa.	UNOCHA/ROWCA, Senegal	Abdoulaye Dieye
09:30-09:45	18. Capacity of Rapid Mapping in NDRCC	NDRCC, China	Yang Siqian
09:45-10:00	19. Collaborative using the existing space-based information initiatives for disaster management	UN-SPIDER, China	Li Suju
10:00-10:15	20. Activities of ADRC in the Sentinel Asia, and the effectivity of satellite images on the Great East Japan Earthquake	Asian Disaster Reduction Centre (ADRC), Japan	Masami Sugiura
10:15-10:40	Discussions		
<b>10:40-11:00</b>	<b>Coffee break</b>		
<b>11:00-12:40</b>	<b>Session 5: Initiatives promoting space-based information in Disaster Risk Management</b>		<b>Chair: Aliou Mamadou Dia</b>
11:00-11:15	21. Disaster risk Reduction in the West African ECOWAS Region: Progress and challenges and opportunities	ECOWAS, Nigeria	Aliou Mamadou Dia
11:15-11:30	22. Towards a rapid, multi-scale assessment of earthquake vulnerability based on satellite remote sensing and omnidirectional imaging.	Centre Potsdam GFZ German Research Centre for Geosciences, Germany	Marc Wieland
11:30-11:45	23. Role of APSCO in Space Cooperation in the Asia Pacific Region	APSCO, China	Maqbool Ahmad Chaudhry
11:45-12:00	24. The introduction of China remote sensing cloud and its application in disaster management	Beijing Huadi map Information Technology Co. Lt., China	Tongkui Liao
12:00-12:15	25. Use of space technologies in hazards preparedness and response in the Russian Federation	National Center of Management in Crisis Situations, Russia	Epikhin Alexander
12:15-12:40	Discussions		
<b>12:40-14:00</b>	<b>Lunch</b>		



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**Day 2 (23 November 2011): Post-lunch session**

		Venue	Panel
<b>14:00-15:40</b>	<b>Side Meetings and Breakout Sessions</b>		
	<b>Side Meeting 1 (upon invitation only)</b> Technical Advisory for China to discuss Rapid Mapping (Please refer separate Agenda)	13 <sup>th</sup> Floor Conference Room	Chair: David Stevens, UN-SPIDER
	<b>Breakout Session Group 1:</b> Data access – open access database, data sharing- opportunities and challenges (Please refer concept note)	Plenary Hall	
	<b>Breakout Session Group 2:</b> Decision making support from space based information for disaster risk management – Gaps and requirements (Please refer concept note)	Side room on 2 <sup>nd</sup> floor	
<b>15:40-16:00</b>	<b>Coffee Break</b>		
16:00-16:30	Side meeting and break out discussion continues....		
16:30-17:30	Presentations from break out session and discussions Summary of from side session and discussions	Plenary Hall	
<b>18:00-19:30</b>	<b>Reception hosted by DigitalGlobe (2<sup>nd</sup> Floor)</b>		



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**Day 3 (24 November 2011): Pre-lunch session (Venue: Plenary Hall on 3<sup>rd</sup> Floor)**

Time	Activity	Country/Organisation	Expert
<b>09:00-10:40</b>	<b>Session 6: Opportunities to enhance national capacity</b>		<b>Chair: Antony Milne</b>
09:00-09:15	26. Earth observation and deriving spatial information for disasters and hazards	IEEE Geoscience and Remote Sensing Society, Australia	Anthony Kinnaird Milne
09:15-09:30	27. Participatory GIS using satellite imagery for DRR programs	OOPERAZIONE INTERNAZIONALE, Malawi	Alexandre Castellano
09:30-09:45	28. Meteorological and Environmental satellite programmes and operations for disaster risk management	WMO, Suisse	Zhang Wenjian
09:45-10:00	29. Application of low-cost geo-informatics for disaster risk assessments with focus on coastal regions	University of Portsmouth, United Kingdom	Mathias Leidig
10:00-10:15	30. Remote sensing by UAV for disaster reduction	Academy of Opto-Electronics (AOE) of Chinese, China	Chuanrong Li
10:15-10:40	Discussions		
<b>10:40-11:00</b>	<b>Coffee break</b>		
<b>11:00-12:40</b>	<b>Session 7: Strengthening existing networks and capacities</b>		<b>Chair: Shirish Ravan</b>
11:00-11:15	31. UNSPIDER interventions to strengthen disaster management in Sri Lanka	Disaster Management Centre, Sri Lanka	Srimal Samansiri
11:15-11:30	32. Matters Arising from the UN-SPIDER Technical Advisory Mission to Nigeria	NARSDA, Nigeria	James Godstime
11:30-11:45	33. UN-SPIDER TAM Review on Use of Space-based Technology for DRR in Bangladesh - Challenges and Way Forward	Ministry of Food and Disaster Management, Bangladesh	Mohammad Abdul Wazed
11:45-12:00	34. ESCAP activities in disaster risk management and way forward with international partners	UN ESCAP, Bangkok, Thailand	Wang Keran
12:00-12:15	35. Disaster Management – Lessons learned from , Challenges and Opportunities	UN-SPIDER, Beijing, China	Shirish Ravan
12:15-12:40	Discussions		
<b>12:40-14:00</b>	<b>Lunch</b>		



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**Day 3 (24 November 2011): Post-lunch session**

	<b>Side Meetings and Breakout Sessions</b>	<b>Venue</b>	<b>Panel</b>
<b>14:00-15:40</b>	<b>Side Meeting 2 (upon invitation only)</b> Sino-Africa Technical Meeting to strengthen cooperation and identify opportunities (Please refer separate Agenda)	13 <sup>th</sup> Floor Conference Room	Chair: Amna Hamid, Remote Sensing Centre, Sudan Co-chair: James Godstime, NARSDA, Nigeria Co-Chair: International Centre for Drought Risk Reduction (ICDRR), China
	<b>Breakout Session Group 1:</b> Rapid mapping – Is it really making a way in decision making – Opportunities and challenges (Please refer concept note)	Plenary Hall	
	<b>Breakout Session Group 2:</b> Feedback and recommendations - UN-SPIDER activities (Please refer concept note)	Side room 2 <sup>nd</sup> floor	
<b>15:40-16:00</b>	<b>Coffee Break</b>		
16:00-16:30	Side meeting and break out discussion continues....		
	<b>Side Meeting 3 (upon invitation only)</b> Capacity building opportunities to the countries supported by UN-SPIDER (National representatives, UN-SPIDER, ESCAP, NDRCC, APSCO) ( <i>Please refer to draft programme</i> )		
16:30-17:30	Presentations from break out session and discussions Summary of from side session and discussions	Plenary Hall	
17:30-18:00	Concluding remark and conference closing		Chair: Wenjian Zhang, WMO





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**Side meeting 1 – Concept Note**

23 November 2011

Time: 14:00 to 16:30

**Technical Advisory for China to discuss Rapid Mapping**

**Venue: 13<sup>th</sup> Floor Conference Room**

**Chair: National Disaster Reduction Centre of China (NDRCC)**

**Description:**

The purpose of this side meeting is to seek suggestions about rapid mapping using space-based information for China. Discussions will mainly address following points

1. Data access
2. Workflow for rapid mapping
3. Mapping standards, timeline etc. for rapid mapping
4. Data dissemination
5. Possibilities of cooperation with other organizations to improve rapid mapping services

The invited experts are expected to contribute the best practices in their country/organization on above topic through discussions and/or short presentations.

The detailed agenda is provided on the following page.



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**Side meeting 1 - Agenda**  
**23 November 2011**

<b>Time</b>	<b>Activity</b>	<b>Country/Organisation</b>	<b>Speaker</b>
<b>14:00-14:20</b>	Disaster management in China 1. Disasters in China 2. Disaster management system 3. Information technology support for disaster management	MoCA	To be decided
<b>14:20-14:50</b>	Introduction – Rapid mapping capacity in China 1. Data resources and access 2. Work flow 3. Rapid mapping products 4. Gaps/challenges/opportunities	NDRCC	Yang Siquan
<b>14:50-15:40</b>	Presentations and Discussions by the experts		
<b>15:40-16:00</b>	<b>Coffee Break</b>		
<b>16:00-16:30</b>	Side meeting continues....		
<b>16:30-17:30</b>	Summary from the side meeting (along with summary presentation from breakout discussions)	Plenary Hall	



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**Side meeting 2 – Concept Note**

**24 November 2011**

**Time: 14:00 to 16:30**

**Sino-Africa Technical Meeting to strengthen cooperation and identify opportunities**

**Venue: 13<sup>th</sup> Floor Conference Room**

**Chair: Amna Hamid, Remote Sensing Centre, Sudan**

**Co-chair: James Godstime, NARSDA, Nigeria**

**Co-Chair: International Centre for Drought Risk Reduction (ICDRR), China**

**Description:**

The purpose of this side meeting is to discuss and identify the existing capacity, requirements and challenges in drought monitoring and risk assessment. The meeting will strengthen the cooperation between China and African Countries for promoting use of space-based information in drought monitoring and risk assessment.

Discussions will mainly address following points

1. Existing capacity in drought monitoring and risk assessment in China
2. Existing capacity, requirements, challenges and in Africa
3. Cooperation opportunities

The invited experts are expected to contribute the on above topic through discussions and/or short presentations.

Proposed participants: Participants from African countries, Experts from China, UN and other inter-governmental organisations

The detailed agenda is provided on following page.



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**Side meeting 2 – Agenda  
24 November 2011**

<b>Time</b>	<b>Activity</b>	<b>Country/Organisation</b>	<b>Speaker</b>
<b>14:00-14:20</b>	Existing capacity in drought monitoring and risk assessment in China Disasters in China	NDRCC	To be decided
<b>14:20-14:35</b>	The use of new remote sensing technologies for emergency situations- the WATEX system	Radar Technologies International, France	Alain Claude Christian Gabriel Gachet
<b>14:35-15:40</b>	Existing capacity, requirements, challenges and in Africa - Short presentations and discussions	Nigeria, Sudan, Mozambique, Cameroon, ....	
<b>15:40-16:00</b>	<b>Coffee Break</b>		
16:00-16:30	Side meeting (discussions) continues....		
16:30-17:30	Summary from the side meeting (along with summary presentation from breakout discussions)	Plenary Hall	



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**Side Meeting 3 – Concept Note**

**24 November 2011**

**Time: 15:40-16:40**

Capacity building opportunities to the countries supported by UN-SPIDER in Asia Pacific region







**Venue: 11<sup>th</sup> UN-SPIDER Beijing office (room no. 1151)**

**Participants:** UN-SPIDER, ESCAP, APSCO, NDRCC and TAM countries (Bangladesh, Sri Lanka, Tonga, Solomon Island)

**Discussion points:**

1. Training course plan proposed by NDRCC. The plan will cover training objectives, target group, training curriculum, supporting experts/organizations, timeline and technical details like training data, software and hardware.
2. Training activities in 2012 proposed by UN-SPIDER. This should cover the countries to be supported, participants, suitable dates and training venue, funding arrangements in collaboration with other organizations in the Asia and Pacific area.

## LIST OF PARTICIPANTS

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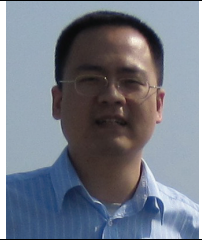


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