Operational System for DR in NDRCC

Beijing, P.R. China Oct 23, 2013 Main Contents

1. Introduction of NDRCC

2. Comprehensive operation platform

3. International cooperation

Introduction of NDRCC

Function:

Responsibility of disaster reduction such as information management, disaster risk assessment and product service, space technology application, research on scientific technology and policies, research and development of technical equipment and disaster relief materials, publicity and education, training, and international cooperation.

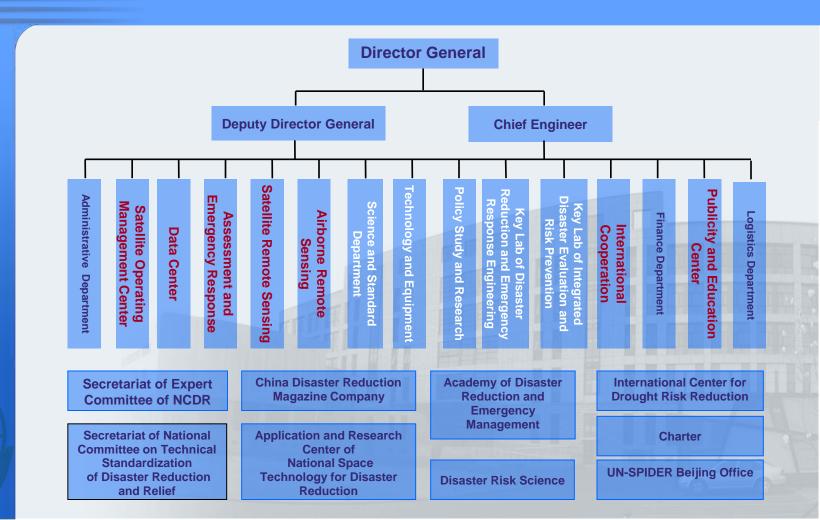
Objective(3C+2W):

- Information exchange Center
- Technology service Center
- Decision-making support Center
- Exchange and Cooperation Wind
- Propagate and education Windows

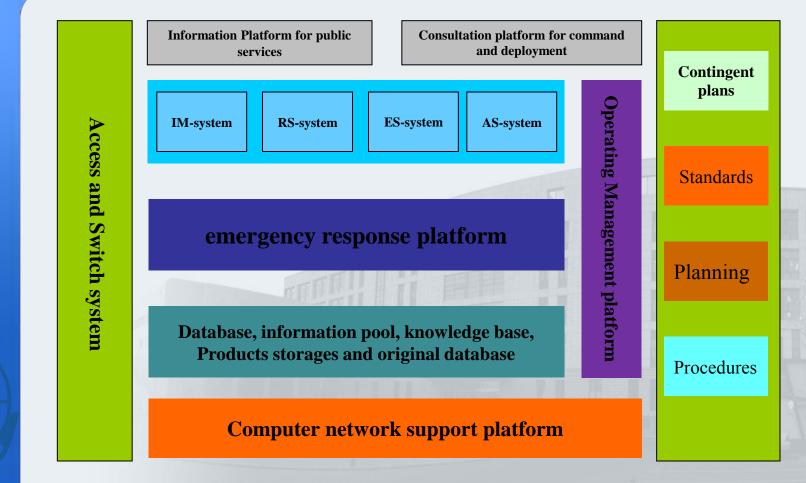
Organization construction

上一级

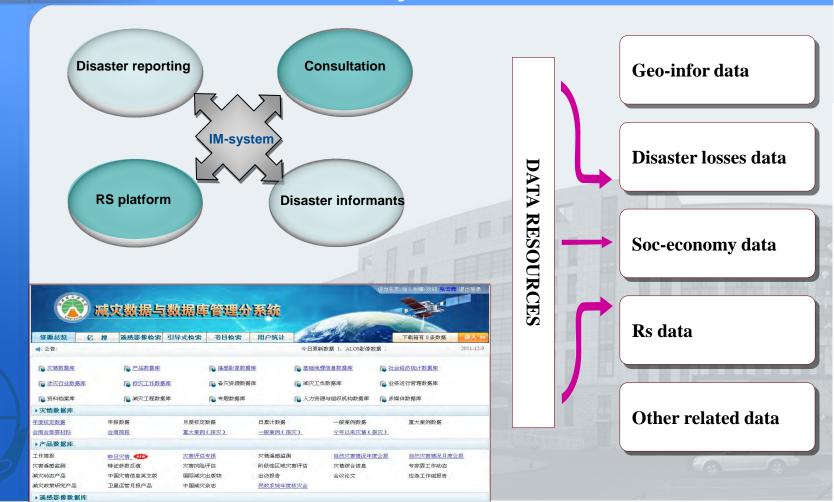
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Comprehensive Operation Platform



IM-system



disaster information direct reporting system covers the central, provincial, municipal, prefectural, and some villages and towns governments at 5 levels.

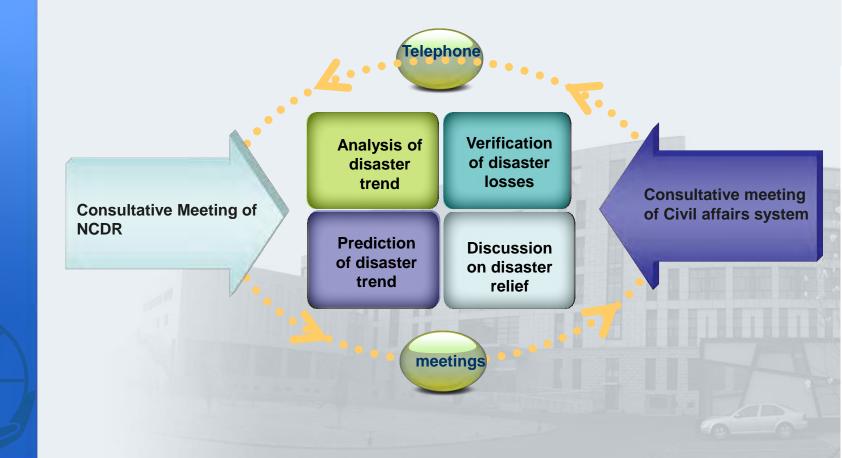




Landing surface of national natural disasters information management system

Operation surface of on-site disaster information collecting system

Disaster consultaion





BERNARTEOR

BRIER LAND

-

RE238



Official publication of textbook

Disaster informants team

1 verification station at central level and 15 at provincial level were approved examination treasury was put into function am

专用于职业技能鉴定国家职业资格培训教程

灾害信息员

专用于职业技能鉴定回室职业资格培训教程

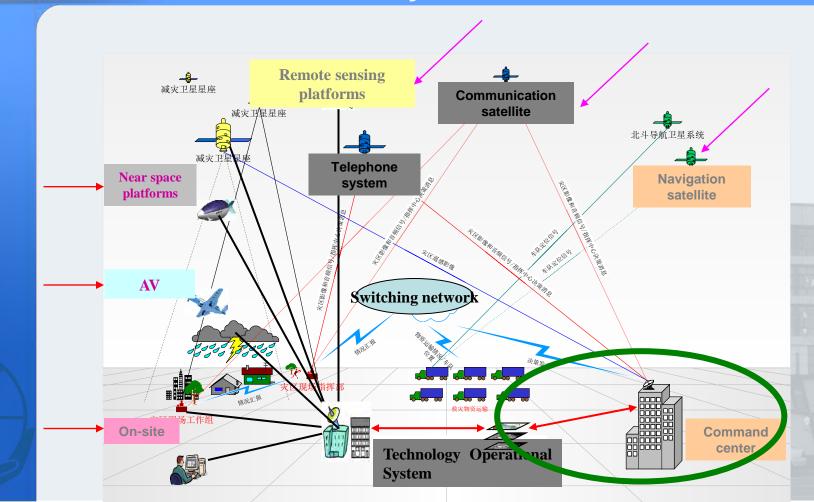
灾害信息员 四级、五级技能 ZAIHAI XINXIYUAN SUI WULLINENG

> 民政部职业技能鉴定指导中心 民政部救灾司 民政部国家减灾中心

组织编写

· 中国社会出现社

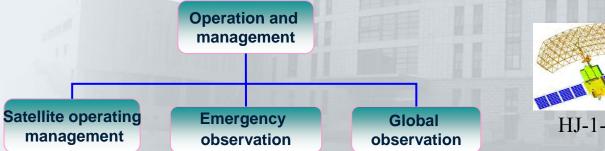
RS-system

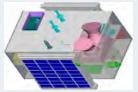


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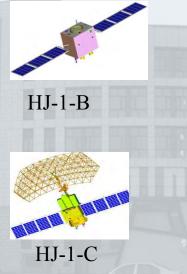
NDRCC is responsible for the operating management of satellite A and B for disaster reduction and environment protection (HJ-1-A and HJ-1-B).

The satellites has been operating steadily and safely for 900 days, responded rapidly to major natural disasters and emergencies at home and abroad, and its valid data covered 70% land surface.





HJ-1-A









Products on disaster parameters

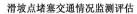
Products on Disaster

monitoring

Products on Disaster assessment

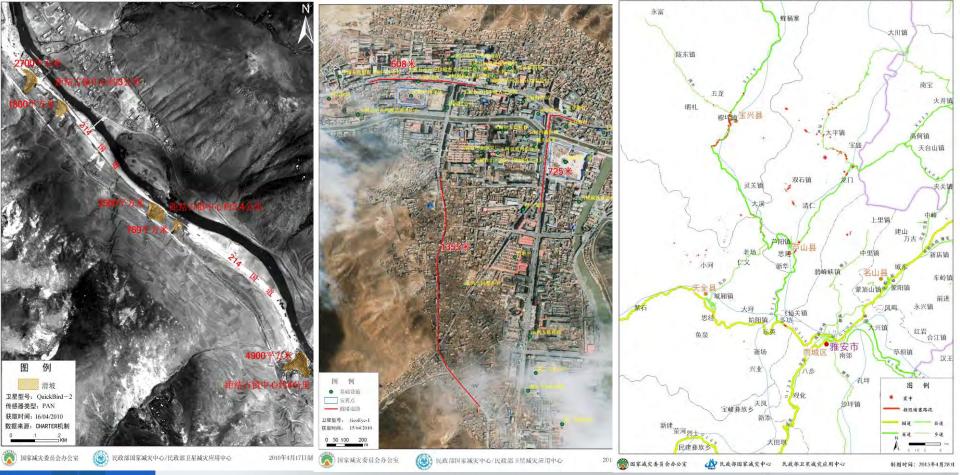
Products on Disaster recovery assessment

Products for decisionmaking support



结古镇交通拥堵情况监测评估(4)

四川雅安7.0级地震震区主要道路损毁情况遥感监测图



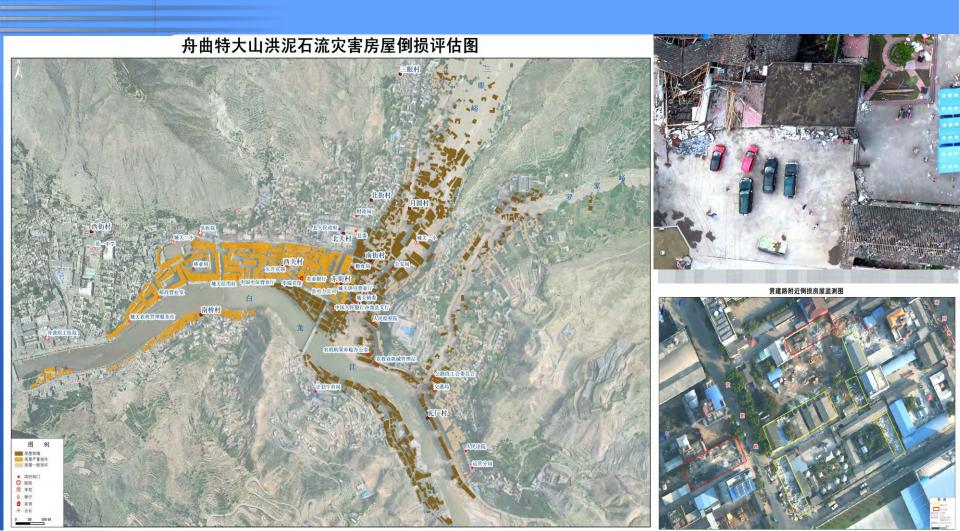
江西省抚州市唱凯洪水淹没范围变化监测(三)

甘肃定西严重洪涝灾害灾情遥感监测评估图



2010年6月24日朝作

■家補実委员会办公室





恢复重建遥感监测图

(体育场周边)

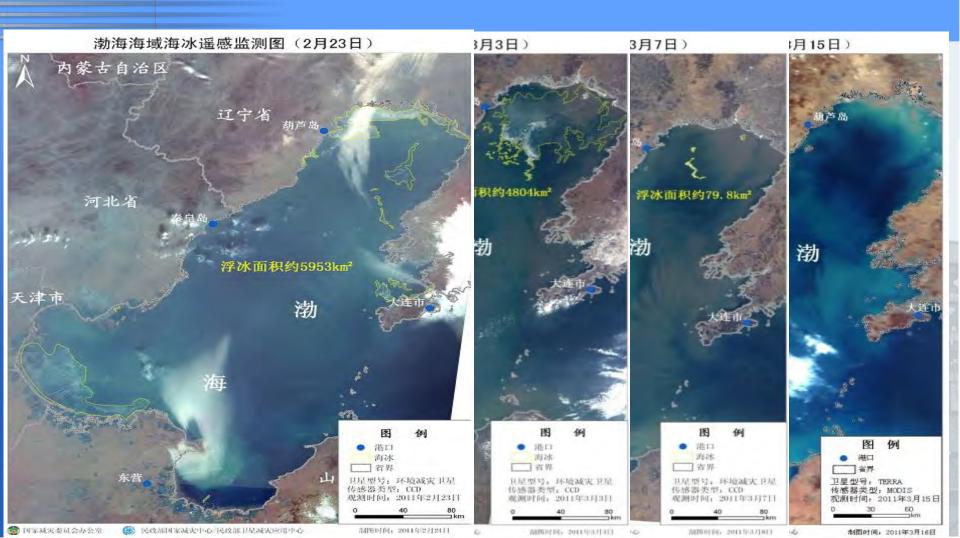
||地震灾区恢复重建进展遥感监测评估图 -- 甘肃省康县豆坪乡及周边地区

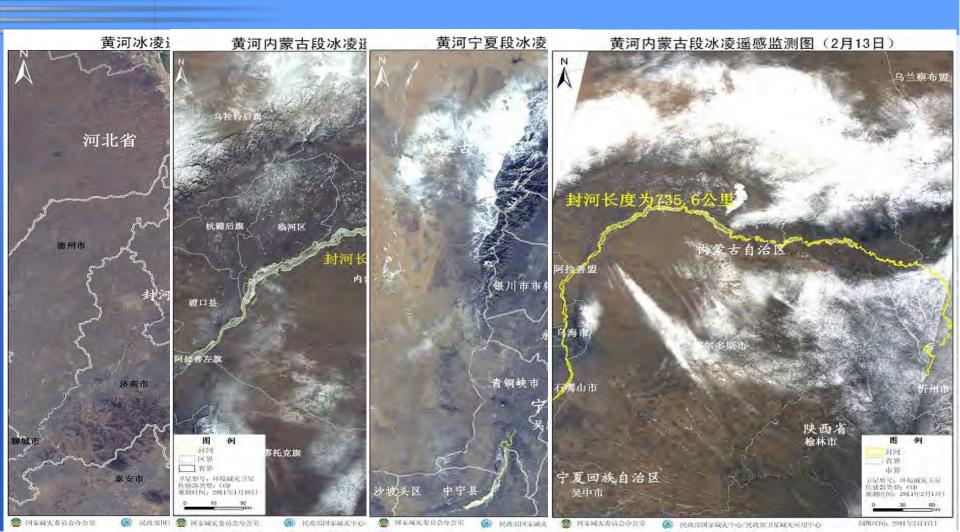


国家减灾委员会办公室 📣 民政部国家减灾中心

制图时间: 2012年12月25日

BITINENE 2012/012





ES-system

Emergent platform on duty for 24 hours

Comprehensive operation platform

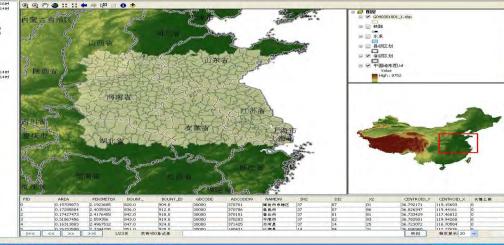
Operation regulation



环境减灾 A.B星 数据及产品服务系统



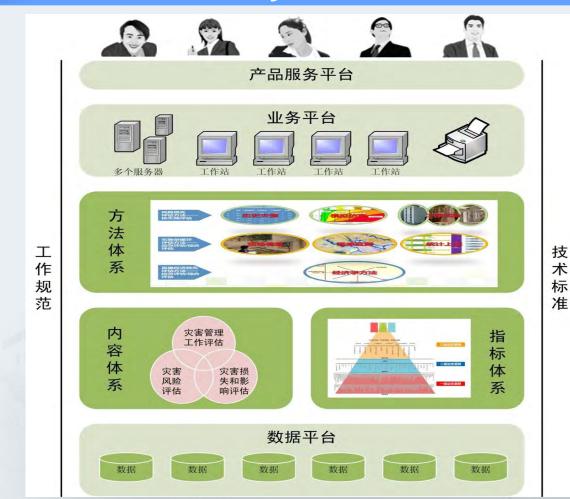






Video discussion and conference system Mobile information platform Terminal end and equipment

AS-system



System platform

Assessment indexes





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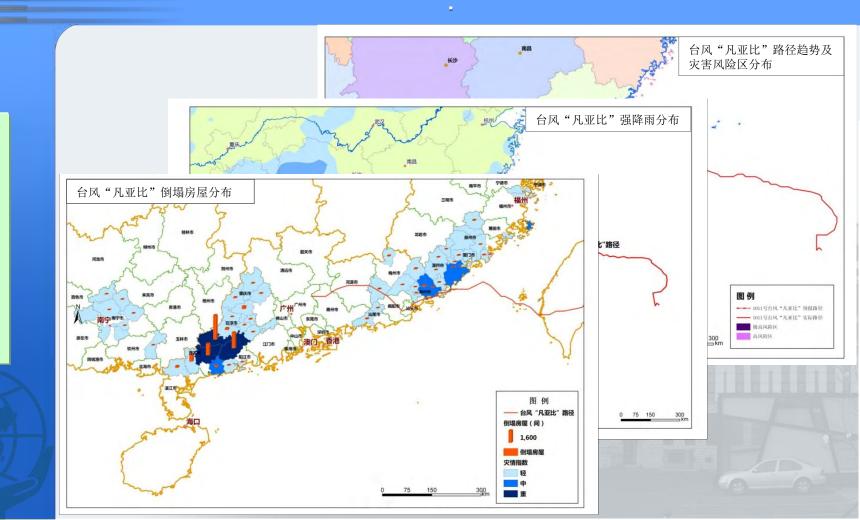




Risk assessment Emergent assessment Monthly losses assessment Annual losses assessment Disaster management assessment

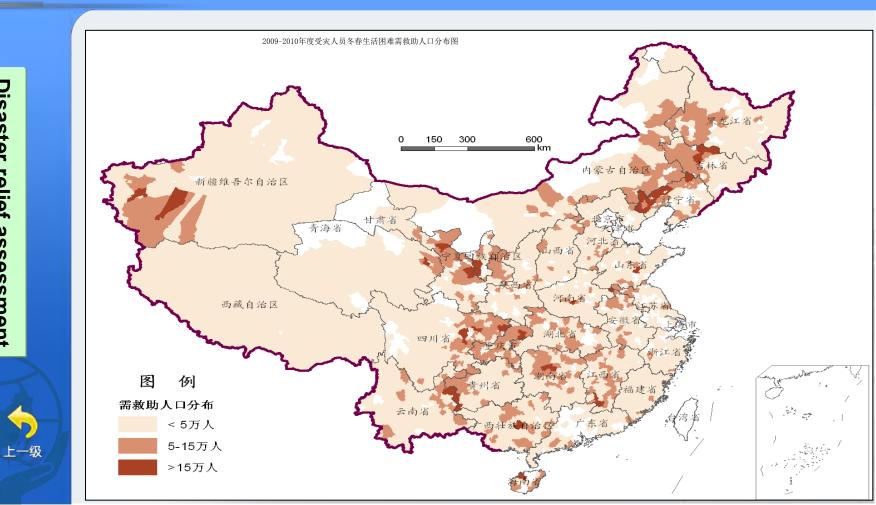


Emergent assessment

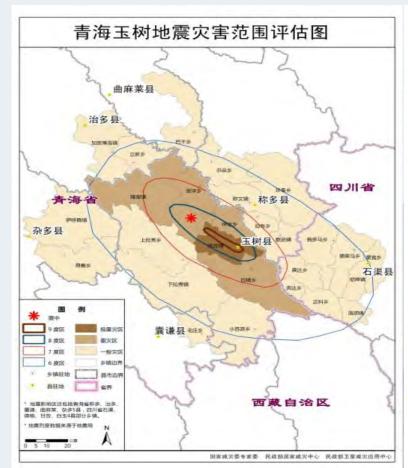


Disaster relief assessment in winter and spring

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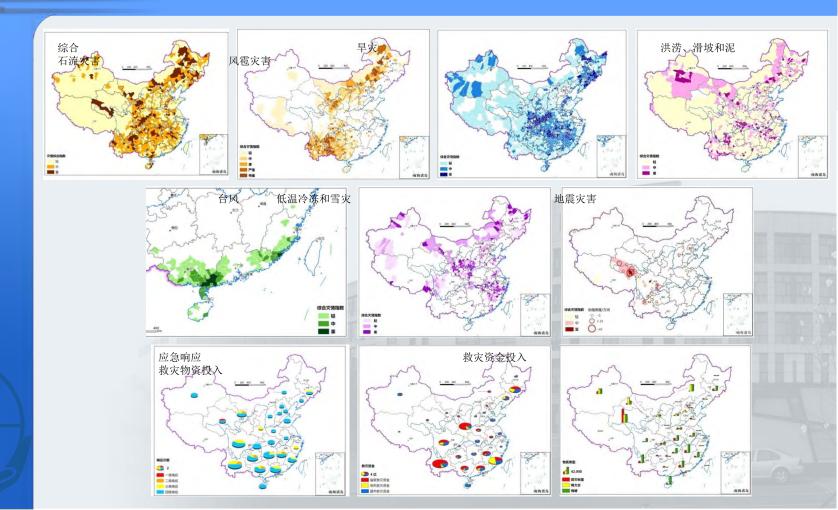
Comprehensive assessment



舟曲特大山洪泥石流灾害范围评估图

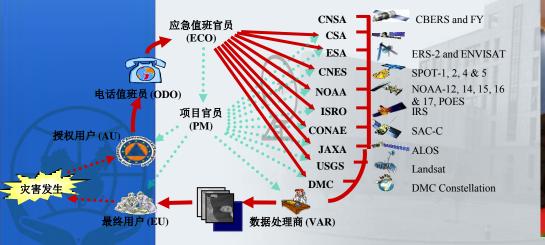






International Cooperation

- NDRCC has established the Strategic Relationship with UNISDR, UNESCAPE, ASEAN, SCO, ICDO;
- Take on technology training for Asia-Pacific Countries;
- Take on PM and AU of CHARTER, and take on the preparation and technology support to UN-SPIDER.





The Horn of Africa entered a dry season in March 2011. In respose to the UNOOSA's request, we started up the emergency rapid mapping services mechanism to mornitor and assess the drought situation the HoA in August.

Building service channel

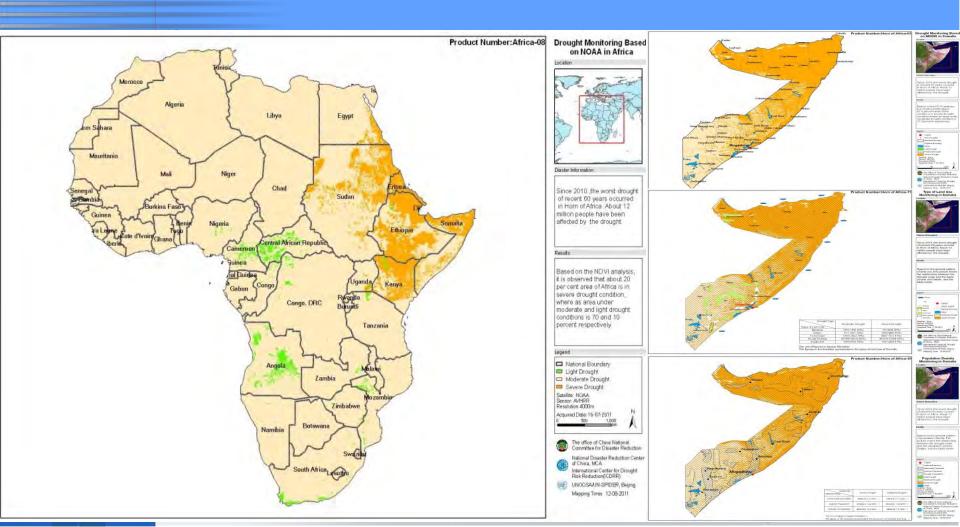
Cooperating with UN-SPIDER office to invovle in the international efforts in aiding Africa, and providing drought monitoring and assessment products services.

Sharing observing data

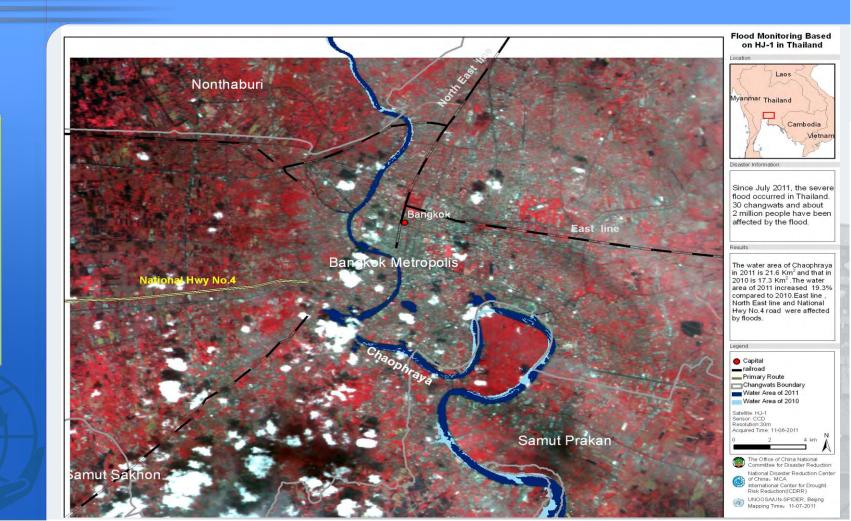
Provided over 140 satellite images, including HJ-1 A\B data.

Providing rapid mapping services

Monitoring and assessment of drought in the Horn of Africa have been carried out. More than 10 thematic prducts have been produced and provided successively, which included the spatial distribution of drought in Africa, the annual change of drought as well as water body in sererly- hit areas in Djibouti, Eritrea and Ethiopia, the impact of drought imposed on the land-use, agriculture, fishing, crops, population, for Somali, etc.



Flood monitor for Thailand





Fire monitor for

Australia

Feb.16,2009-Fires Assessment in Southeast Australia Using BJ-1 Satellite Data

Experts have attended the TAM supported by UN-SPIDER Beijing office, and finished technical advisory for Bangladesh from 19-23, Sept, and Sri-lank from 17-21, Oct.



TAM

Hold United Nations International Conference on Space-based Technologies for Disaster Risk Management trwise from 2011-2012, Organized by MOCA and UN-OOSA.



Thanks for your attention !