Crisis of Floods and Mines IRAQ 2013



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Sequence of Presentation

1. Introduction

2. Landmines History in Wassit and Missan Provinces

3. Floods in Wassit and Missan Provinces

4. Crisis Management

5. Role of UN-Spider Program

6. Movie about the Crisis management

1. Introduction

•Large areas of the Iraqi lands are suffering from dryness and desertification which lead to the immigration of farmers from the countryside to the city.

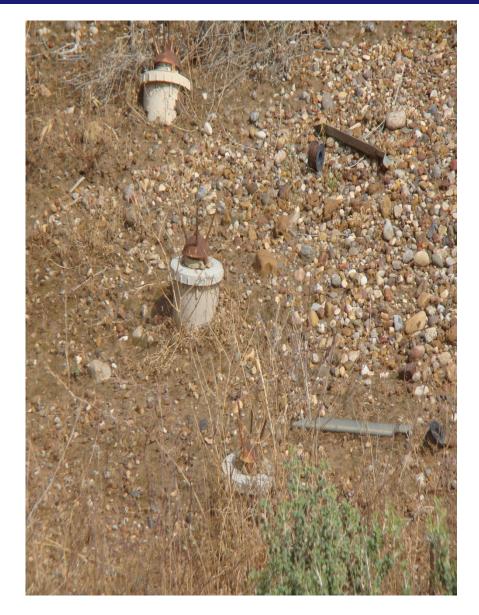
•None left but the villages on the banks on the main rivers.

•This phenomena resulted in widening the dust storms in the last four years.



2. Landmines History in Wassit and Missan Provinces

- In addition, Iraq is one of the most greatly affected country with the landmines and unexploded ordnance left by previous wars.
- 1-The 1980 -1988 war with Iran.
- 2- The 1991 first Gulf war.
- 3- The 2003 second Gulf war.
- Iraq planted millions of landmines throughout the borders with neighboring countries, Kuwait and Iran.
- The landmine danger still threaten 1.6 million persons for an area of 1730 Km² according to the landmine Impact survey results, which was conducted in 2004 – 2006.



2. Landmines History in Wassit and Missan Provinces

- Also Iraq was bombed with about 50 million cluster bombs.
- It is well known that 30% of them did not explode which leaves about 16 million dangerous cluster bombs.
- Iraq has extensive unexploded ordnance UXO from the past wars.





• Among the provinces affected by this danger that have been mentioned are: Wassit & Missan had the flood and torrent in May of this current year.





As the victims of mines, based on the survey of 2012, were as follows:

•Wassit province : about 4000 Victims.

•Missan province : about 5800 Victims.

3. Floods in Wassit and Missan Provinces

- On 3-6 May 2013 these two provinces, which are located in the east of Iraq in the border areas with neighboring Iran had very heavy rains.
- In addition to exposure to flood coming from the Iranian side of the high land there. Led to the sinking of the many villages and 90% damage for crops there.
- Here begins the risk of flooding in addition to mine drift towards populated areas.





Actions taken

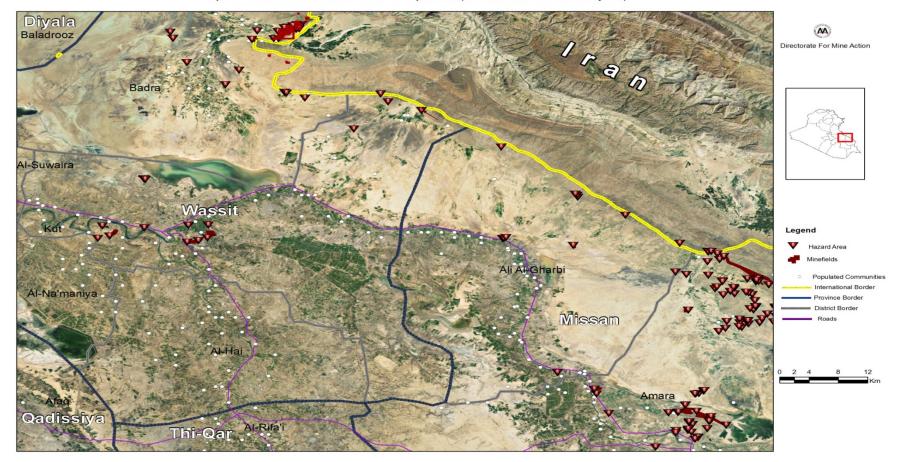
Spreading mine risk education teams in both provinces.
Using the media to send messages to the areas where the mines and unexploded ordnance are expected to reach for warning not to approach strange objects and informing about them.



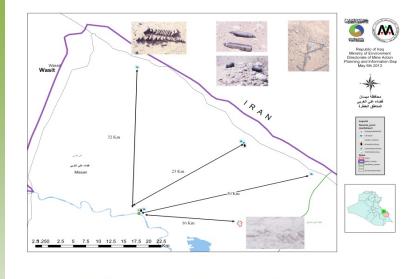


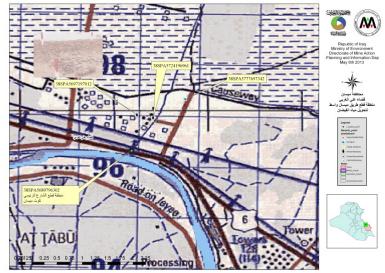
 Producing of maps illustrating landmines locations data and distribute them to every body working in the rescuing field.

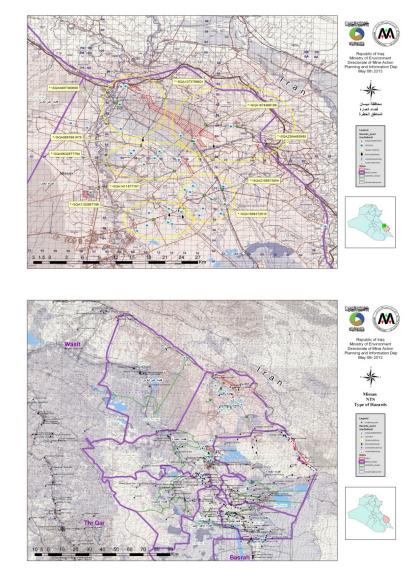
Map Show Mines Distribution In Wassit & Missan provinces (Data From Non-Technical Survey NTS)











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 Deploying 10 field teams to surround populated areas and ensure nondriftage.



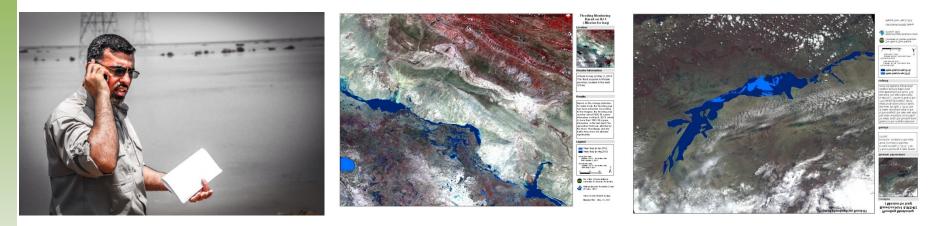


• Checking the landmine fields and ensure the scatter of mines there.





Contacting UN-SPIDER to provide us with flood satellite imagery .

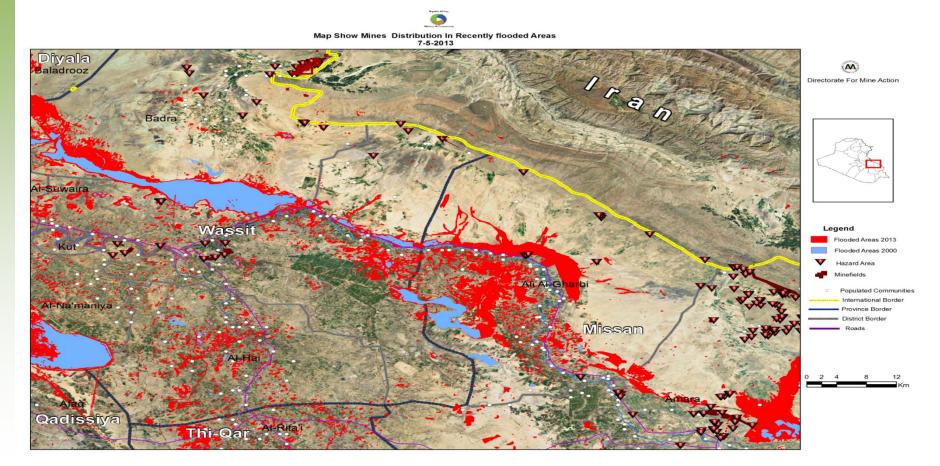




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 The satellite imagery were distributed after adding the existing landmines in the provinces layer to follow up the residents rescue works, providing aid and setting up tents.

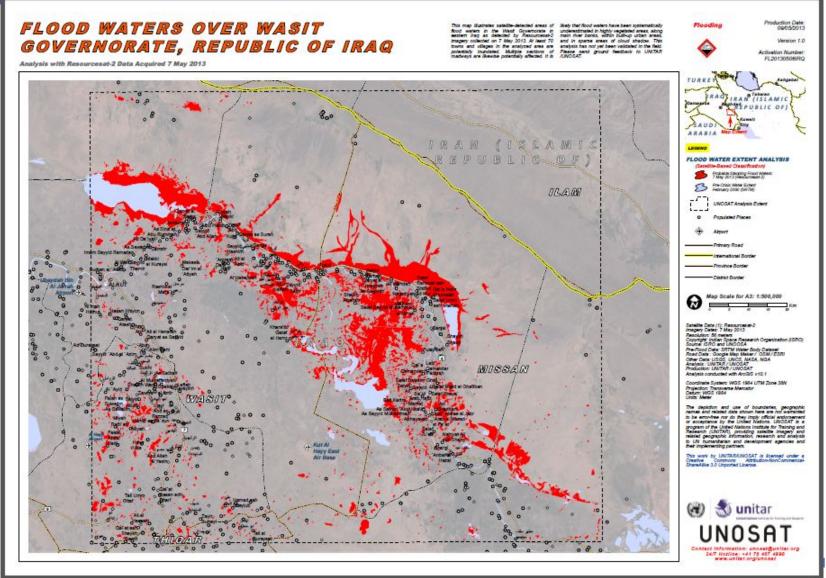




- Using media to reassure the citizens and informing them that the danger of landmine did not reach populated areas.
- Visiting the border areas and making sure there are no dangerous driftage.







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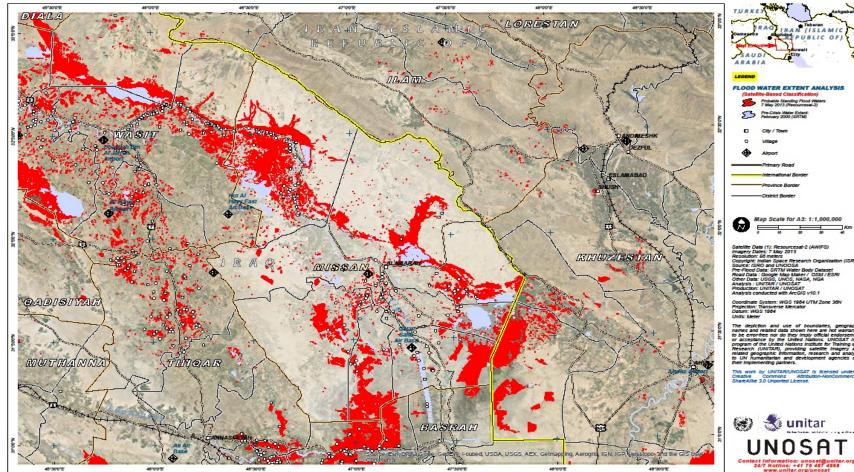


FLOOD WATERS OVER MAISSAN GOVERNORATE, REPUBLIC OF IRAQ Analysis with Resourcesat-2 AWIFS Data Acquired 7 May 2013

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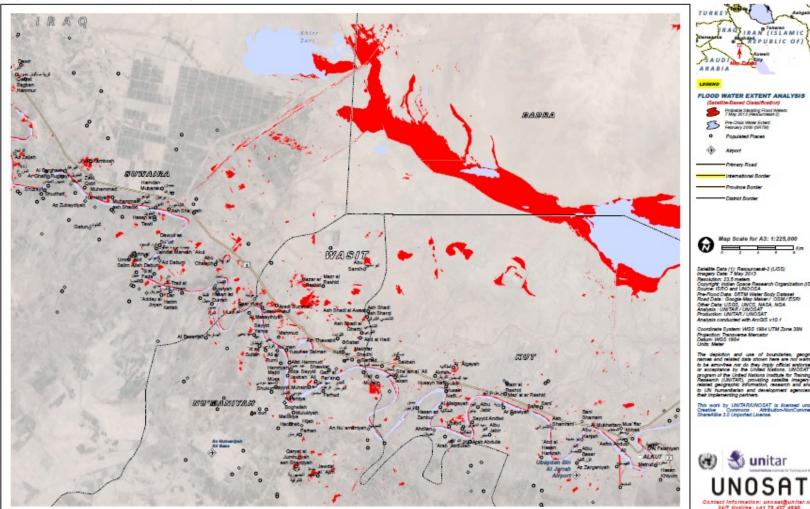




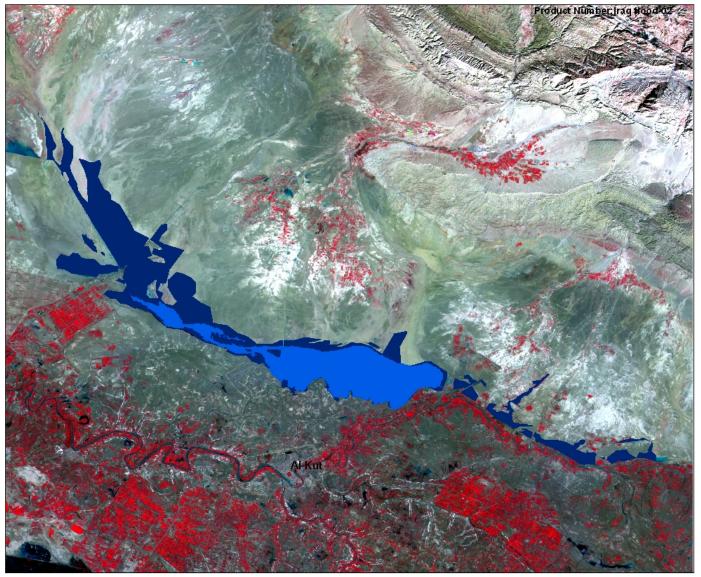
FLOOD WATERS OVER CENTRAL WASIT GOVERNORATE, REPUBLIC OF IRAQ

Analysis with Resourcesat-2 LISS Data Acquired 7 May 2013

This map illustrates satellite-detected areas of modeways are likewise potentially effected it is food waters in the central area of the West likely the flood waters have been patientatically detected to the satelline region of the detected by understatistic for highly wegatistic areas, along Resourcestration 1255 integrad or detected of the main fixed banks, within bulk-purchas areas, along Resourcestration 1255 integrad or disages in the and in spaces areas of cloud hardow. This analyzed area are potentially hundleds or analyzin has not yet base validable in the field dimension affected. Multiple actions of Passes area (provide base) base in the Resource and the Resource of the Rese see Optimal based on the Resource of the Rese see Optimal based on the Resource of the Researce and the Resear Production Date: 10/05/2013 Version 1.0 Activation Number: FL20130505/PD







Flooding Monitoring Based on HJ-1 & IRS-R2 (Mission for Iraq)

Location



Disaster Information

A flood following a dam break in Iraq on May 3, 2013. The flood occured in Missan province, located in the east of Iraq.

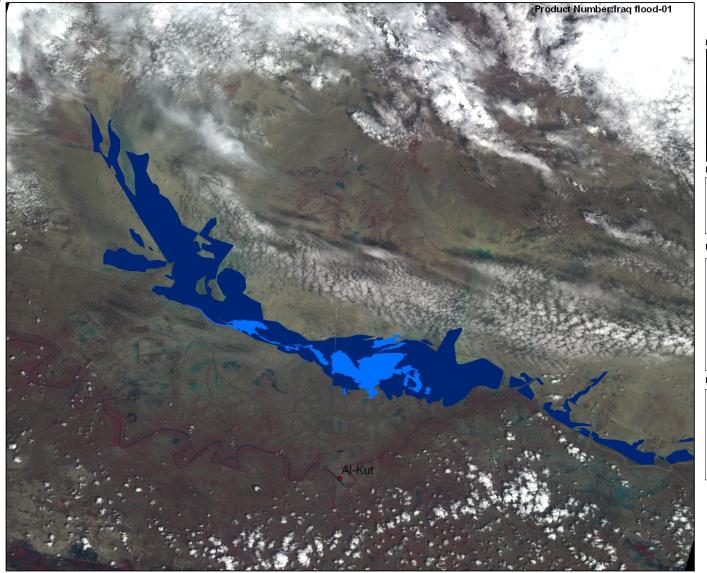
Results

Based on the change-detection for water body, the flooding area has been extracted. According to the imagery, the flooding area of the downstream dam reaches about 79 square kilometers on May 7, 2013. The agriculture field was affacted by the flood. The villages and the traffic lines were not affacted significantly.



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Flooding Monitoring Based on HJ-1 & IRS-R2 (Mission for Iraq)



Disaster Information

A flood following a dam break in Iraq on May 3, 2013. The flood occured in Missan province, located in the east of Iraq.

Results

Based on the change-detection for water body, the flooding area has been extracted. According to the imagery, the dam was lack of water during the April in the last year. By May 7, 2013, the water body area rises to about 770 square kilometers, which is almost 7.7 times of that in the last April The agriculture field was affacted by the flood. The villages and the traffic lines were not affacted significantly

Legend

Water Body (in Apr,2012) Water Body (in May,2013)

Pre-disaster data: Satelite: HJ-1B Resolution:30 m Date:April 24, 2012 Post-disaster data: Satelite: IRS-R2 Resolution:24 m Date: May 7, 2013

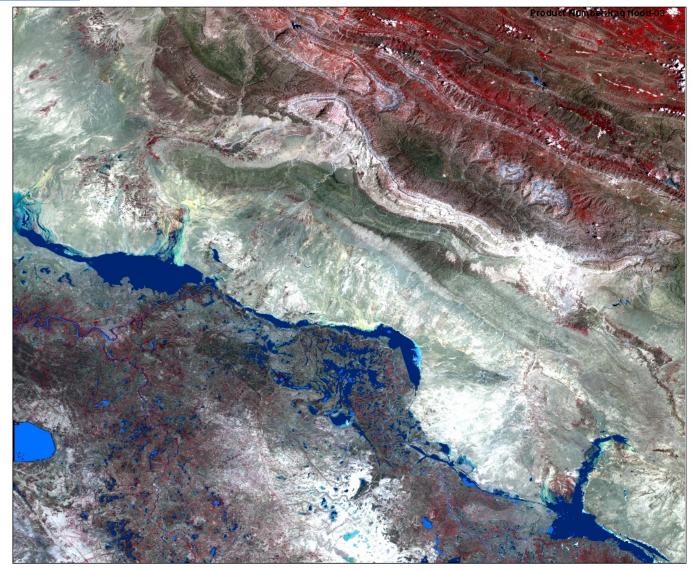
The Office of China National Committee for Disaster Reduction

National Disaster Reduction Center of China, MCA

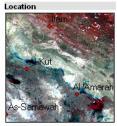
> UNOOSA/UN-SPIDER, Beijing Mapping Time: May, 9, 2013

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Flooding Monitoring Based on HJ-1 (Mission for Iraq)



Disaster Information

A flood in Iraq on May 3, 2013. The flood occured in Missan province, located in the east of Iraq.

Results

Based on the change-detection for water body, the flooding area has been extracted. According to the imagery, the flooding area reaches about 1926. 18 square kilometers on May 9, 2013, which is more than 1641.38 square kilometers in the last April. The agriculture field was affacted by the flood. Thevilages and the traffic lines were not affacted significantly.

Legend Water Body (in Apr,2012) Water Body (in May,2013)

Pre-Iliaster dala: Galettle: NJ-1A Resolution: 30m Date: January 3, 2013 Pos Hitaster dala: Galettle: NJ-1A Resolution: 30m Date: May 9, 2013

The Office of China National Committee for Disaster Reduction Addonal Disaster Reduction Center of China . MCA

> UNOO SA/UN-SPIDER, Beijing Mapping Time : May, 15, 2013

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Some drifts in the border areas have been controlled and put warning signs and the team will conduct a survey of all land affected by flooding.



