



unitar

United Nations Institute for Training and Research

UNOSAT

Satellite Imagery and GIS Solutions for Emergency Management and DRR



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January 2013

About UNOSAT

- UNOSAT is the Operational Satellite Applications Programme of UNITAR – entirely dedicated to researching and applying solutions in geospatial information, satellite data/imagery analysis, and integrated systems (GIS, navigation, geopositioning)
- Launched in 2000 as a project, it has evolved into a mature UN service with global outreach supported by a network of partners worldwide
- UNOSAT means over 1500 maps/analyses since 2000, taskings in over 260 emergencies & conflicts; professional training; research & methodology



knowledge, international, participatory approach, r
diversity, innovation, knowledge sharing, research
bin. transfer, expertise, new technology
learning by doing, network
-hip, skills building
-ing, ext

WHAT WE DO



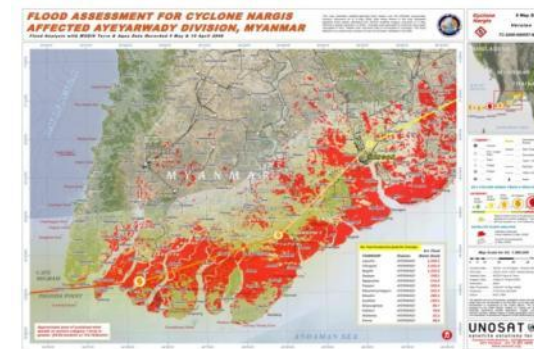
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UNOSAT - AREAS OF OUTPUT

4

Humanitarian Aid and Relief Coordination

- Crisis & Situational Mapping
- Damage assessment



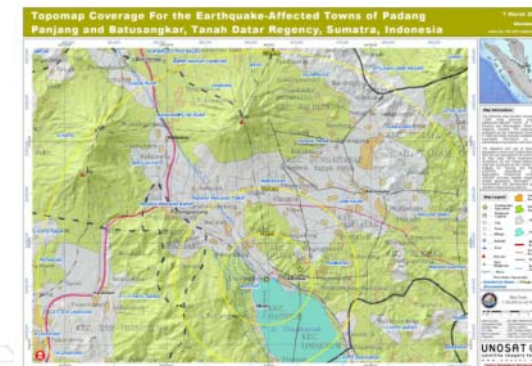
Human Security

- Monitoring
- Human Rights
- Safety and Security



Territorial Planning and Monitoring

- Capacity Development & Technical Assistance
- In-country project development



knowledge, diversity, innovation, transfer, learning by doing, skills building, research, technology, network, leadership, training, etc.

How does UNOSAT make use of satellites?

1. Activation / Request



2. Satellites collect data over area of interest



3. UNOSAT Staff analyze satellite data

4. UNOSAT Staff Produce maps, reports & databases for field workers, practitioners in training sessions



Caprivi, Namibia



Port-Au-Prince, Haiti



Bihar, India



Mogadishu, Somalia



CONCLUSIONS

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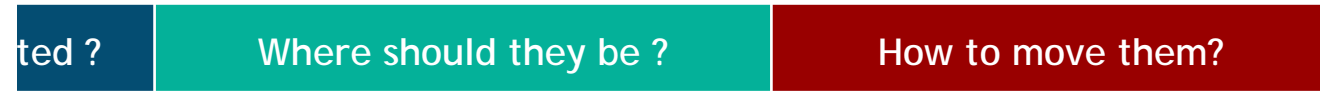
1. Some of the DRR geo-information functions can benefit from integrating satellite derived analysis.

https://www.yunbaogao.cn/report/index/report?reportId=5_7141

预览已结束，完整报告链接和二维码如下：



Support Strategic territorial planning



Geographic Information System

knowledge, international, participatory approach, diversity, innovation, knowledge sharing, research, transfer, expertise, new technology, learning by doing, network, skills building, etc.