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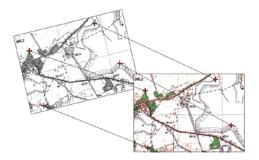
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INTRODUCTION

The process of defining how raster is situated in map coordinates.

The process of defining the position of geographical objects relative to a standard reference grid. For example the allocation of geographical coordinates to street intersections.

(www.thelist.tas.gov.au/docs/gloss ary/glossary.html)



Source: "Georeferencing images and scanned maps" -George McLeod gep.frec.vt.edu

INTRODUCTION

- Scanned map datasets don't normally contain spatial reference information.
- Information collected from the field has to be put on a platform where the spatial information is there



Source: "Georeferencing images and scanned maps" -George McLeod gep.frec.vt.edu

CONTRIBUTION OF RS AND GIS IN DISASTER MANAGEMENT

Disaster Mitigation

- Catalogues with spatial component
- Hazard assessment
- Elements at risk mapping
- Vulnerability assessment
- Risk assessment
- Spatial Decision Support Systems

Disaster preparedness

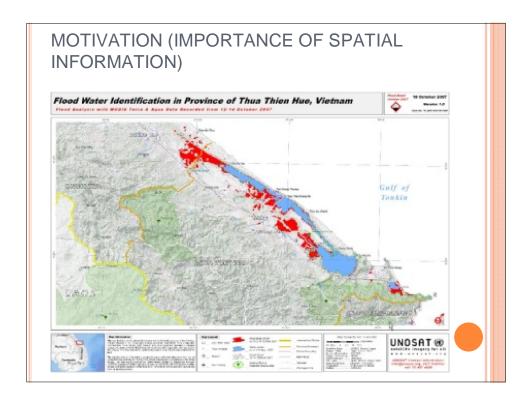
- Disaster plans
- Anomalies in a time series
- Forecasting & Early warning
- Monitoring of an ongoing situation

Disaster relief

- Mapping extent of disaster
- Damage assessment
- Relief coordination
- Evacuation

Disaster recovery

- Post-disaster census
- Identification of reconstruction sites
- Update hazard, vulnerability and risk data bases



DATA USED

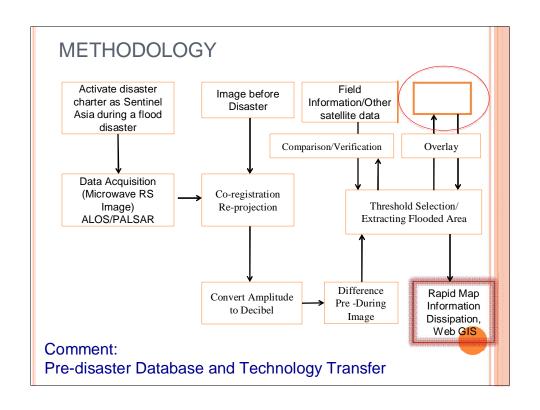
Scene ID	Satellite/Sensor	Date	Source
ALPSRP096650320	ALOS/PALSAR	2007-11-17	JAXA
ALPSRP096650310	ALOS/PALSAR	2007-11-17	JAXA
ALPSRP096650300	ALOS/PALSAR	2007-11-17	JAXA
ASA_APP_1PNUPA	ENVISAT	2008-09-14	ESA
ASA_IMP_1PNUPA	ENVISAT	2004-05-23	ESA
PR-00CD1355BAC-PO00	ENVISAT	2008-09-25	Vietnam Ground Station
PR-00CD1334A27-PO00	ENVISAT	2008-10-14	Vietnam Ground Station
PR-008A9BCCDA-PO00-1	ENVISAT	2007-11-02	Vietnam Ground Station
PR-00D8AABDE2C-PO00-1	ENVISAT	2007-11-04	Vietnam Ground Station
Whole province	SPOT5	2005	Vietnam Ground Station

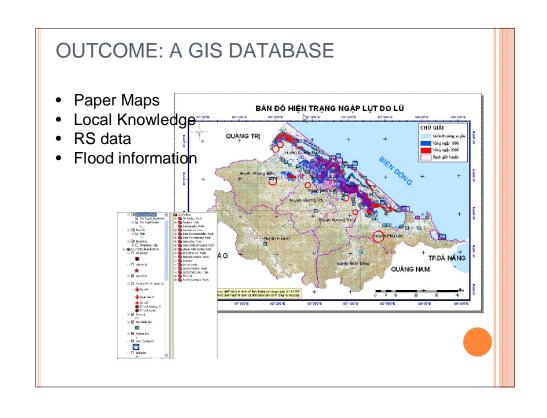
DATA USED: POSSIBLE LOCAL DATA

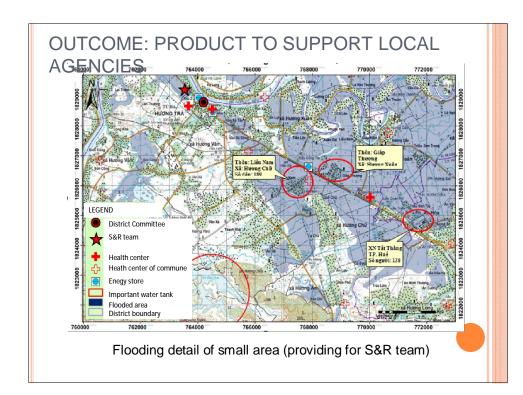
Layer	Туре	Date	Source
Weak_seaport	Point Shapefile	2011	GPS data
Water_tank	Polygon Shapefile	2011	GPS data
Weak_dam	Point Shapefile	2011	GPS data
Safe_area	Polygon Shapefile	2011	GPS data
Permanent_port	Point Shapefile	2011	GPS data
Flooded_mark_2007	Point Shapefile	2007	GPS data



Equipments for fieldtrip to collect and update data and information

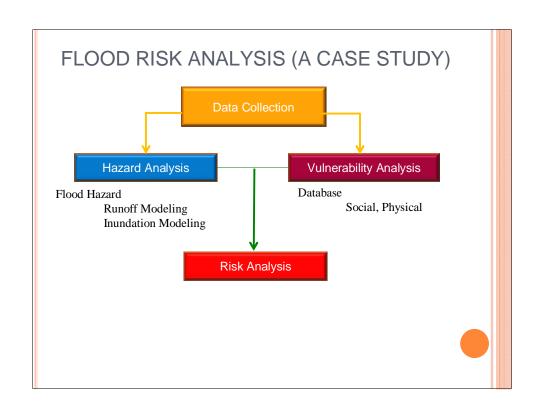


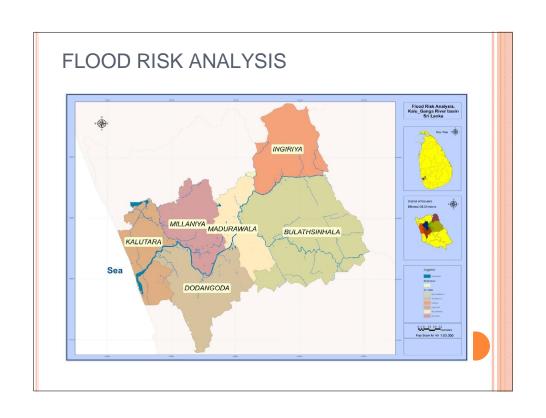


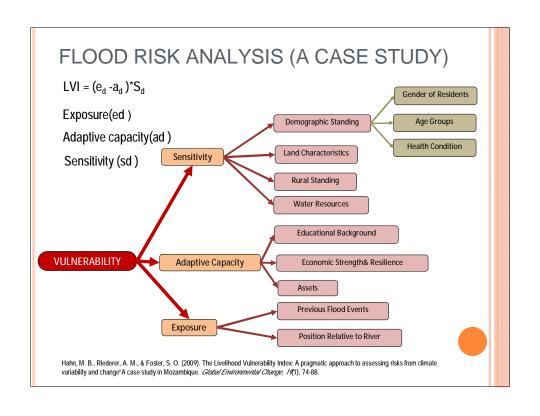


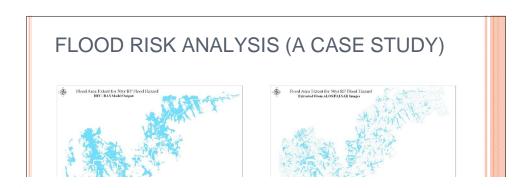
CONCLUSIONS AND RECOMMENDATIONS (BY PARTICIPANTS)

- ← The methodology will help space agencies in supporting disaster management organizations in a search and rescue work.
- © The results show that in this province, flood maps achieved by this process are highly accurate and fine in resolution.
- ♠ One of the success of search and rescue operations depends on receiving of satellite images immediately after a flood. Sentinel Asia can help us a lot by providing near real time satellite data.
- © Similar kind of a methodology can be adopted in other provinces affected by floods with a *continuous update of the existing GIS database and field observations of past floods*.









预览已结束,完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5_6851

