Presented at the FIG Working Week 20

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The Readiness of the Trinidad and Tobago Cadastral System for Recovery from Disaster

Charisse GRIFFITH-CHARLES
Trinidad and Tobago



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

Organised by





Platinum Partners





Diamond Partner



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Recovery

from disaster

Business Continuity Plan (BCP) Process

- 1. Provide management guidelines
- 2. Identify risks
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- 9. Maintain and revise plan periodically











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Recovery

from disaster

2. Identify Risks – Is the Cadastral System Vulnerable to Disaster?

- Compare past experiences internationally
- Compare past local experiences

3







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International Experiences

Pre-disaster				
Aceh (Tsunami 2004)	New Orleans (Hurricane 2005)			
No back-up or archived cadastral data	Backed-up and archived cadastral data off-site			
Largely informal tenure	Completely formal tenure			
5-10% parcels registered	100% parcels registered			
Post-disaster				
300,000 land parcels affected	Available online database on parcel flood status			
90,000 certificates of title damaged	Back-up data recovered			













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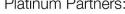




















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Identify Risks



















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Local Experiences

1903 – Red House fire destroyed many documents

1990 - Attempted coup destroyed many documents















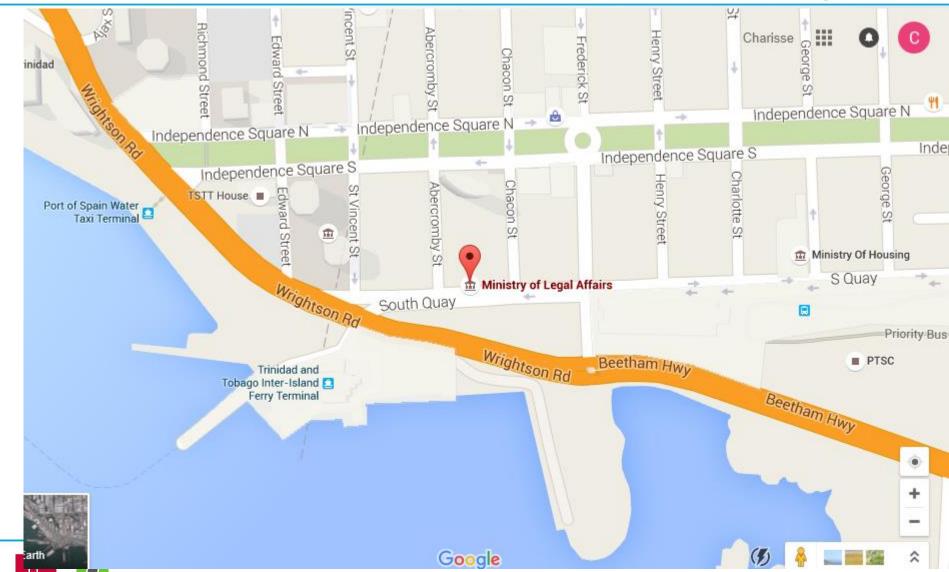






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Recovery











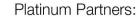
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Recovery

from disaster

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RISK	EFFECTS	RESPONSE	RESPONSIBILITY
LOCAL – Fire Flood Conflict Corrupted data	Loss of knowledgeDamage to recordsLoss of records	Record, Duplicate, archive, - knowledge, records, - within building, close by, - small volume requirement	IndividualCommunityState
NATIONAL – Earthquake Hurricane Tsunami Conflict Digital hacking Software obsolescence	Loss of knowledgeDamage to recordsLoss of records	Record, Duplicate, archive, - knowledge, records, - out of country - large volume requirement	IndividualCommunityStateRegionInternational











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from disaster

Prioritise operations to be maintained and procedure

- Support informal occupation to prevent remaining in disaster area
- Reinstate informal occupants to prevent land grabbing
- Provide cadastral information for temporary relocation
- Prevent corruption and fraud













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Recovery

Inventory of Data - Cadastral Records Types and Locations from disaster

TYPES

- Plans, indices analogue, digital
- Legal records deeds, titles analogue, digital
- Land tax records analogue, digital
- Topographic maps analogue, digital

LOCATIONS

- State central repository
- State decentralised offices
- Community knowledge
- Community repositories
- Household documents and knowledge
- Surveyors, attorneys offices







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Recovery

from disaster

Inventory of Data - Cadastral Records Status

- cadastral plans are not individually coordinated.
- The cadastral index and the filed cadastral plans do not contain all evidence of rights as many parcels are not surveyed
- no formal title is held for many parcels
- Some parcels, even though not surveyed may be described verbally in a deed.
- Deeds and titles are stored at the Registrar General's
 Office but no link to cadastral map











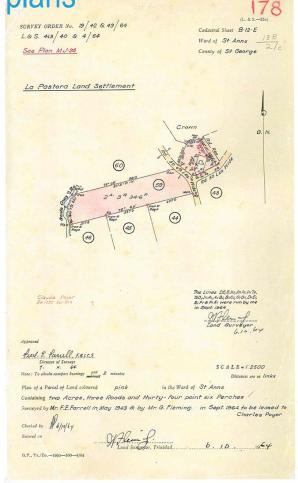


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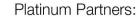
from disaster

Cadastral Records Status – Uncoordinated plans

















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Recovery

aster

Cadastral Records Status – Incomplete Coverage





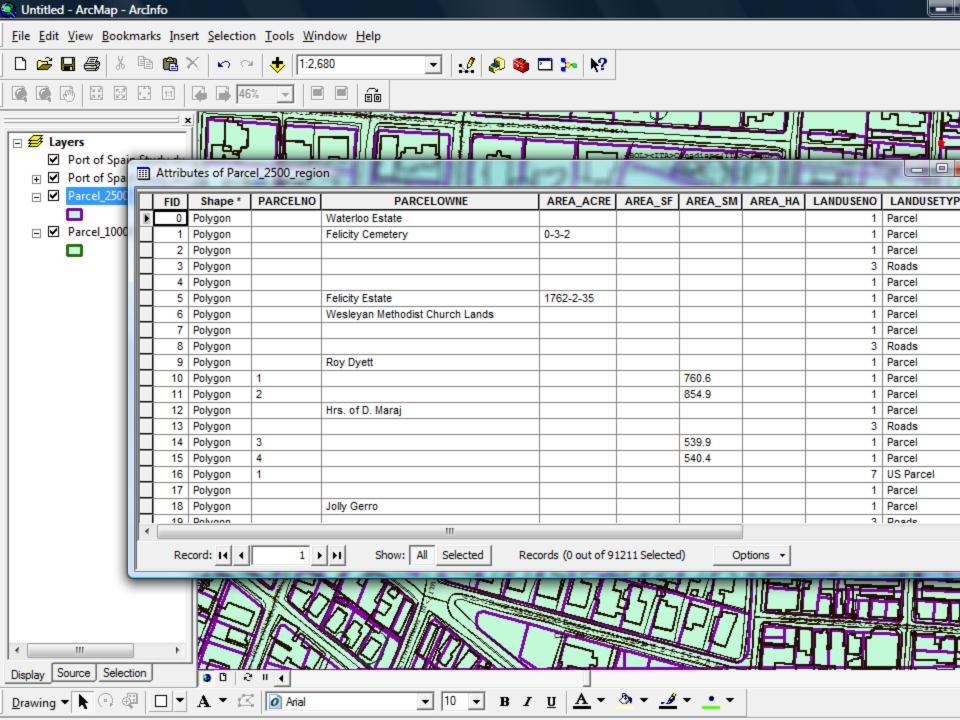












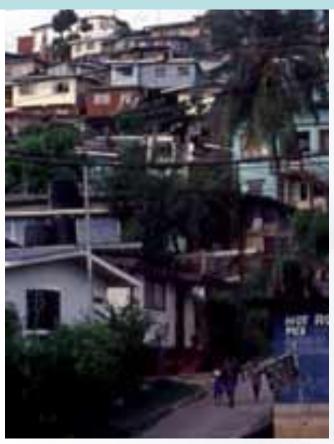


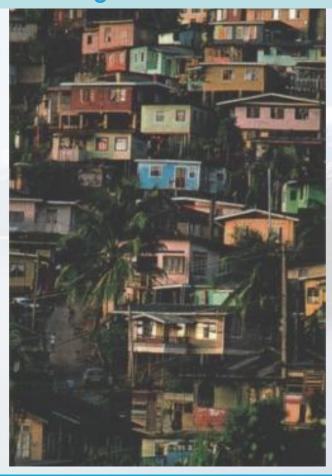
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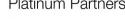
Know where to get help

from disaster

RISK	EFFECTS	RESPONSE	RESPONSIBILITY
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No End



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