

Piloting the STDM in St. Lucia, and St. Vincent and the Grenadines

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Trinidad and Tobago



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

Organised by



Platinum Partners



Diamond Partner





Outline

Section 1

- Background
- Justification
- Application

Section 2

- Pilot project application
- Pilot project results

Section 3

- STDM rollout



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

SECTION 1



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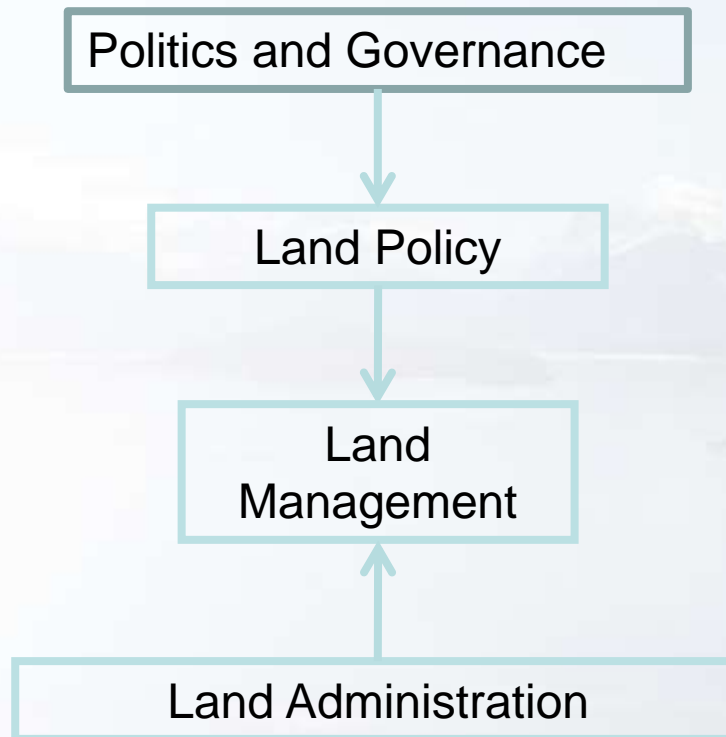
FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

Background





Background

Land administration systems should be:

1. transparent,
2. accessible,
3. simple, and
4. low-cost

And

1. Current
2. Comprehensive
3. Complete



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

- Non recognised tenure that is not captured in the records impacts on rights, responsible governance of tenure, decision making from disaster

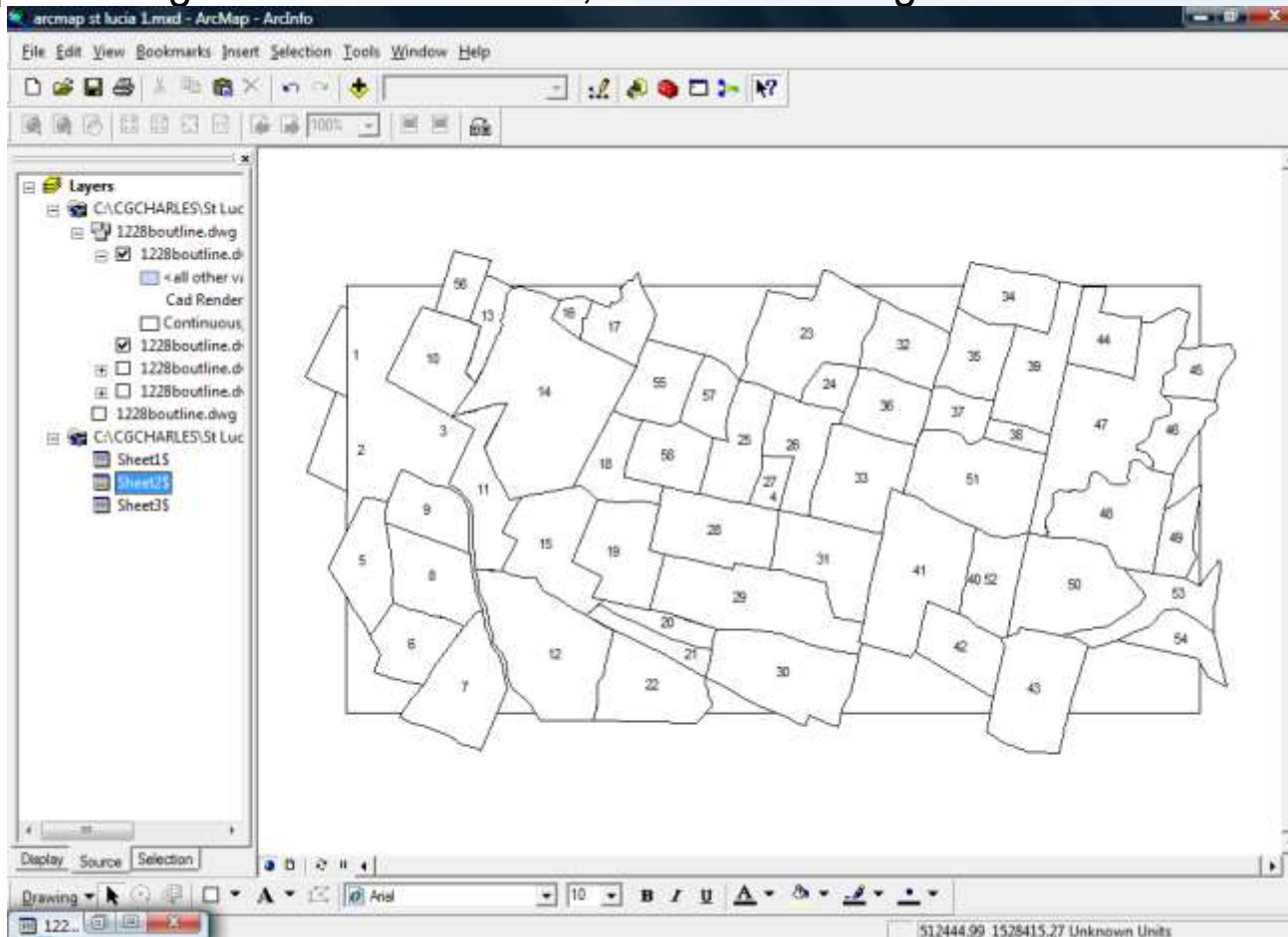




FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster





FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

- The fundamental right to 'own' 'land'
- What is own, what are rights?
- What is land?

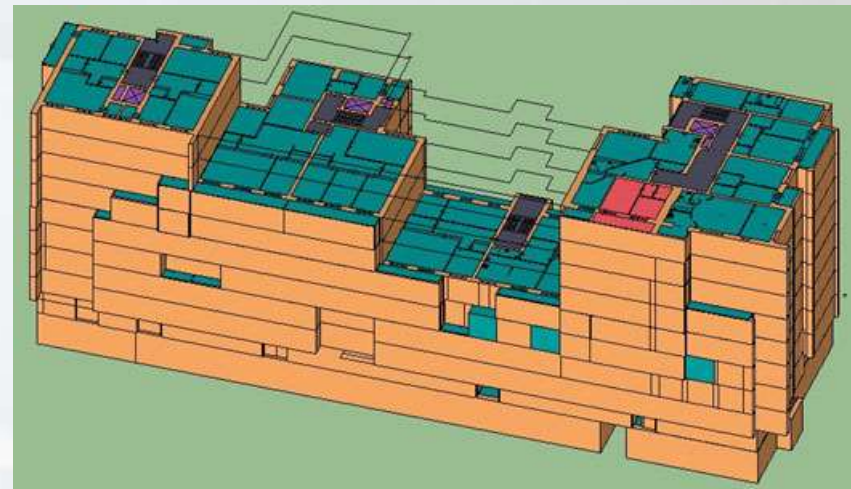
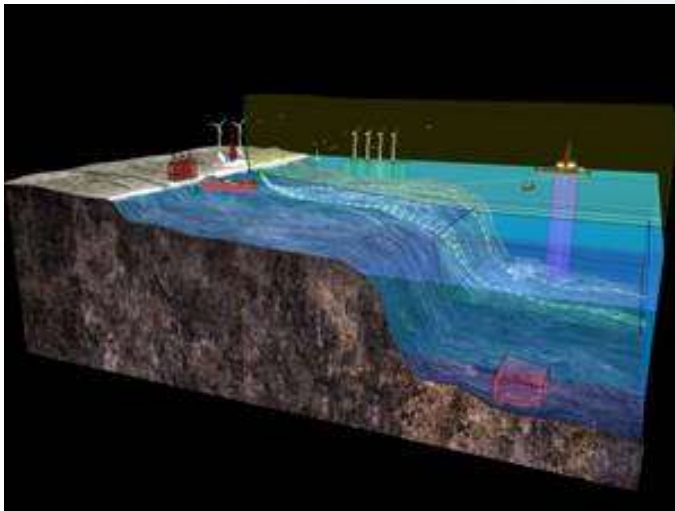




FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

Formal Registration	STDM Recording
Deed, Title	Any receipt, lease, rental agreement,
Restricted registry	Can be community based
Requires legal, surveying input	Uses simple forms
Costly proprietary software	Uses free or open source software



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CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

SECTION 2



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Pilot Project

Process should be:

- Determine what is legitimate tenure
- Determine what to record to determine legitimate tenure
- Visit occupants
- Record information
- Make information accessible



Pilot Project

Process was:

- Decide on categories of legitimate but unrecorded tenure
- Meeting with state institutions to discuss process
- Decide on areas to be used for pilot
- Visit areas
- Collect data
- Input in STDM software



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster



Saint Lucia



St. Vincent



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster





FIG Working Week 2016



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FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

RESULTS



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FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

Party Records Manager - 109 rows



Family Name /	Other Names	Identification	Contact Telephone	Age	Gender	Record No	Position	Subj Ten Sec
kato	Malicia	-	784 528 1326	28	Female	118	Child of head	Very Secure
Lavia	Kisher	-	784 433 6262	18-30	Female	76	Relative	Very Secure
Lavia	Teddy	SVG 002850	-	31-45	Male	75	Head	Very Secure
Lavia	Rudolph	SVG 088143	784 529 1079	>80	Male	48	Head	Very Secure
Lavia	Carlita	SVG 003071	784 531 1969	31-45	Female	46	Head	Very Secure
Lavia	Shakeila	SVG 088340	784 528 6589	18-30	Female	40	Relative	Secure
Lavia	Gaylene	SVG 088153	784 529 9600	46-60	Female	39	Relative	Secure
Lavia	Ancilla	SVG 075205	784 527 7571	46-60	Female	38	Head	Secure
Lavia	Marcelle	SVG 001188	784 432 2732	46-60	Female	37	Head	Secure
Louis	Angela	-	784 430 2225	24	Female	130	Child of head	Neither
Miller	Hellen	-	-	56	Female	112	Head	Neither
Minors	Suzette	SVG 004582	784 520 0270	31-45	Female	55	Spouse of head	Very Secure

Look For

In Column

Close



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FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

Household Records Manager - 109 rows

+ ✎ ✖

Household Code	Total Members	Record No /	Male Adults	Female Adults	Male Child	Female Child
		1				
2	10	10	1	1	0	0
6	102	102	2	4	0	0
1	103	103	1	0	0	0
6	104	104	1	1	2	2
4	105	105	0	1	1	2
2	106	106	1	1	0	0
5	107	107	4	1	0	0
7	108	108	1	1	3	2
2	109	109	0	2	0	0
1	11	11	1	0	0	0
4	110	110	1	1	1	1

Look For In Column

Close

FIG Working Week 2016

Family_Information Records Manager - 31 rows



Record No /	Overseer	Qualify Over	Admin Rights	Operational	Unit No	Family Name
116	Yes	Elders	Overseer	Overseer		Diamond
117	Yes	Elders	Overseer	Overseer		Diamond
118	Yes	Elders	Overseer	Overseer		Diamond
119	Yes	Elders	Overseer	Overseer		Diamond
120	Yes	Elders	Overseer	Overseer		Diamond
121	Yes	Has title to land	Respondent	Respondent		Diamond
122	Yes	Elders	Overseer	Overseer		Diamond
123	Yes	Elders	Overseer	Overseer		Diamond
124	Yes	Elders	Overseer	Overseer		Diamond
125	Yes	Elders	Overseer	Overseer		Diamond
126	Yes	Elders	Overseer	Overseer		Diamond
127	Yes	Elders	Overseer	Overseer		Diamond

Look For

In Column

Close



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

QGIS 2.6.1-Brighton

Project Edit View Layer Settings Plugins Vector Raster Database Web Processing STDM Help

Attribute table - spatial_unit :: Features total: 109, filtered: 109, selected: 6

unit_no	image_no	street_add	grid_e	grid_n	type
14	25;26	Spring Garden	698413	1456965	House
15	29	Spring Garden	698415	1456954	House
2	6;5	Elmoy street	-	-	House
4	8	Elmoy street	-	-	House
1	4	Elmoy street	687450	1459645	House
3	7	Elmoy street	687483	1459652	House
26	43;44	Clifton Hill	698513	1456952	House
25	41;42	Clifton Hill	698499	1456933	House
27	46;47;48	Clifton Hill	698505	1456960	House
1	1	-	485529.6	1452839.3	House/Dwelling
38	38	-	485520.1	1452842.5	House/Dwelling
37	37	-	485522.6	1452848.2	House/Dwelling
36	36	-	485527.2	1452851.6	House/Dwelling
2	2	-	485534	1452857.3	House/Dwelling
5	5	-	485589.8	1452906.2	House/Dwelling
6	6	-	485606.4	1452921.5	House/Dwelling
40	40	-	785638.6	1452943.2	House/Dwelling
41	41	-	485642.3	1452945.3	House/Dwelling
42	42	-	485645.8	1452948.5	House/Dwelling
7	7	-	485650.4	1452950.1	House/Dwelling
8	8	-	485664.8	1452951.4	House/Dwelling
9	9	-	485665.3	1452960.7	House/Dwelling
43	43	-	485666.9	1452956.8	House/Dwelling

Coordinate: 2158,-883 Scale: :934,527,569 Render EPSG:4326

10:12 AM 03/06/2015



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

Quantum GIS 1.8.0-Lisboa

File Edit View Layer Settings Plugins Vector Raster Database Web STDM Plugin Help

Spatial unit manager

Spatial unit details

Zone/ Ward: Pole Yard

Structure type: House

Structure number: PLD/PL L

Activity use type:

Map Tools:

Source reference system

Reference layer: spatial_unit

Current coordinate sytem: EPSG:3395

Select Coordinate system

Show map Clear Search Save Delete

Coordinate: 1328,514 Scale: 1:9712 Render: EPSG:3395



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CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

Social Tenure

View Existing Social Tenure

Select Party
 Natural Person Household Structure owner


Social Tenure relationship view

Household Number	Occupant	Tenure Status	Household Relation
PLD/PL1/41			
1	Walters Maxford	Structure owner	Husband

Who Responded

House Number	Who Responded	Relationship	Witnesses
--------------	---------------	--------------	-----------

Photos



Available Documentation

Supporting documents + Open -

Validity period 29/03/2014

Editing Social Tenure



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

Social Tenure

View Existing Social Tenure

Select Party

Natural Person Household ...

Social Tenure relationship view

1

Who Respond

Select Supporting Document - La Panse

Select Administrative unit

Document list

Document Identifier

Choose to list by type

Filter by:

- All
- Plane table map
- Photo
- Orthophoto
- Text based
- Deed
- Title
- Certificate
- Document
- Audio
- Video

Photo

Validity period: 06/06/2014

OK Cancel

Editing Social Tenure

Spatial unit m

Spatial unit details

Zone/ Ward

Structure type

Structure number

Activity use type

Map Tools:

Source reference system

Reference layer

Current coordinate system: ES

Show map Clear Sea



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

SVG Pilot: Based on STDM for Enumeration and Settlement Upgrading

Plugin Menu

- Enumerator
- Project Area
- Respondent
- Spatial Unit
- Households
- Persons

Person Details Supporting Document for Person

Occupant

Household number: PLD/PL1/41

Surname: Walters

Other names: Maxford

Gender: Male Female

ID no: SVG 034104

Age: 25 30/03/1989

Level of education: Secondary

Occupation: Private sector

Marital status: Single

Tenure relation: Structure owner

Share: 100

Household relationship: Others

Witness: Yes No

Photo... New Search... Update Delete

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Household Surveys Pole Yard Select Change Profile Help





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CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

	Date_ver	Date_ent	Unit No	Image no	Doc_image	Doc_type	Settlement	Municipality	Admin_dist	Grid_E	Grid_N	Unit Type	R_s_name
ick	NA	22/03/2014	1	1	none	NA	Pole Yard	Arnos Vale	Saint George	485529.6	1452839.3	House/Dwelling	Wallace
ick	NA	22/03/2014	38	38	none	NA	Pole Yard	Arnos Vale	Saint George	485520.1	1452842.5	House/Dwelling	Wallace
ick	NA	22/03/2014	37	37	None	NA	Pole Yard	Arnos Vale	Saint George	485522.6	1452848.2	House/Dwelling	Toussaint
ick	NA	22/03/2014	36	36	none	NA	Pole Yard	Arnos Vale	Saint George	485527.2	1452851.6	House/Dwelling	Williams
ick	NA	22/03/2014	2	2	none	NA	Pole Yard	Arnos Vale	Saint George	485534	1452857.3	House/Dwelling	Jacobs
ick	NA	22/03/2014	5	5	none	NA	Pole Yard	Arnos Vale	Saint George	485589.8	1452906.2	House/Dwelling	Delpesh
ick	NA	22/03/2014	6	6	none	NA	Pole Yard	Arnos Vale	Saint George	485606.4	1452921.5	House/Dwelling	Providenc
ick	NA	22/03/2014	40	40	none	NA	Pole Yard	Arnos Vale	Saint George	785638.6	1452943.2	House/Dwelling	Moore
ick	NA	22/03/2014	41	41	none	NA	Pole Yard	Arnos Vale	Saint George	485642.3	1452945.3	House/Dwelling	Walters
ick	NA	22/03/2014	42	42	none	NA	Pole Yard	Arnos Vale	Saint George	485645.8	1452948.5	House/Dwelling	Chance
ick	NA	22/03/2014	7	7	none	NA	Pole Yard	Arnos Vale	Saint George	485650.4	1452950.1	House/Dwelling	Joshua
ick	NA	22/03/2014	8	8	none	NA	Pole Yard	Arnos Vale	Saint George	485664.8	1452951.4	House/Dwelling	Campbell
ick	NA	22/03/2014	9	9	none	NA	Pole Yard	Arnos Vale	Saint George	485665.3	1452960.7	House/Dwelling	Williams
ick	NA	22/03/2014	43	43	none	NA	Pole Yard	Arnos Vale	Saint George	485666.9	1452956.8	House/Dwelling	Sergeant
ick	NA	22/03/2014	10	10	none	NA	Pole Yard	Arnos Vale	Saint George	485674.6	1452952.1	House/Dwelling	Shallow
ick	NA	22/03/2014	11	11	none	NA	Pole Yard	Arnos Vale	Saint George	485676.4	1452948.9	House/Dwelling	Shallow
l	NA	22/03/2014	3	3	none	NA	Pole Yard	Arnos Vale	Saint George	485555.1	1452874.8	House/Dwelling	James
l	NA	22/03/2014	3A	3	none	Tax Receipt	Pole Yard	Arnos Vale	Saint George	485555.1	1452874.8	House/Dwelling	Collins
l	NA	22/03/2014	4	4	none	NA	Pole Yard	Arnos Vale	Saint George	485577.5	1452895.8	House/Dwelling	-
	NA	22/03/2014	23B	23B	none	NA	Pole Yard	Arnos Vale	Saint George	-	-	House/Dwelling	Davy
	NA	22/03/2014	23	23	none	NA	Pole Yard	Arnos Vale	Saint George	485770.3	1452993.6	House/Dwelling	Stoddard
	NA	22/03/2014	23A	23A	none	NA	Pole Yard	Arnos Vale	Saint George	485767.7	1452988.9	House/Dwelling	Victor
	NA	22/03/2014	24	24	none	NA	Pole Yard	Arnos Vale	Saint George	485777.2	1452998.2	House/Dwelling	John
	NA	22/03/2014	26	26	none	NA	Pole Yard	Arnos Vale	Saint George	485788.3	1453017.8	House/Dwelling	Charles



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Recovery

from disaster



GOVERNMENT OF SAINT LUCIA

CERTIFICATE OF RESIDENCY



SAMPLE

SAMPLE

Granted to Ms. Mariana James, whose likeness is shown in the picture above dated March 31, 2014

As one of five (5) heirs to the Thomas Martineau lineage of the Martineau Family lands in East Praslin, and occupies unit number 32 in Plan 645 of Vol 22 Number 3587 of the Registry



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CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

PROJECT ROLL OUT



Platinum Partners:



Diamond Partner





Issues

- Societal acceptance
- Institutional acceptance
- Technical challenges and opportunities
- Resource requirements

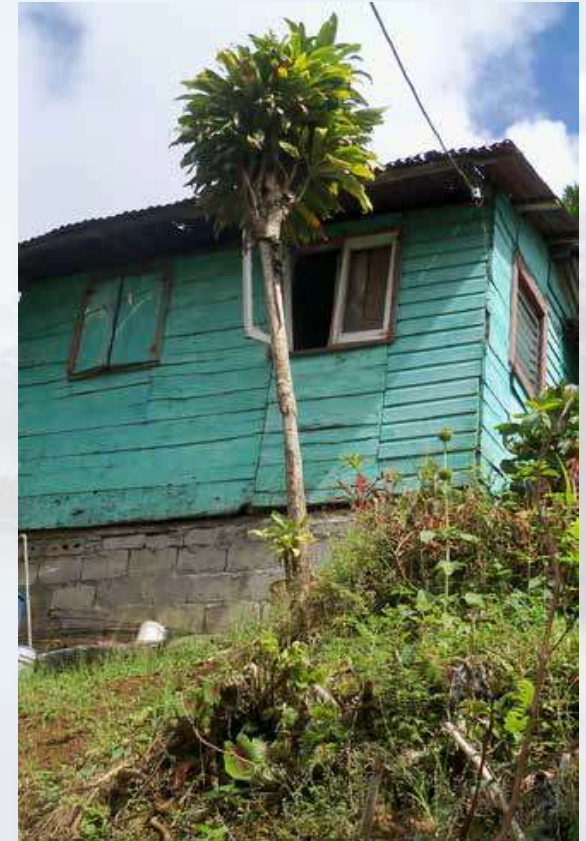




FIG Working Week 2016

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Recovery

from disaster

THE END??
