Haiti security risk management in red area project development

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Themes

• The importance to have this GIS Database
• Process of the security event information  data collection
• Increase the security of the project agent  in the most risky area in Port au Prince
• The Power of ArcGIS online with Collector
• Recommendation of GIS online to other Organization
Martissant

• In the South of Haiti’s capital
• More than 300000 inhabitants
• After Earthquake in this community the norm are:
  – Shooting
  – Killing
  – Bloody reprisals
• Homeless people increased
• They are vulnerable for any type of climate change
  – Flooded
  – landslide
Why It was important to have this Data Base?
How did we collect that security event information?

- *Design form*
- *Arc Map*
- *Field data collection*
- *Data analysis*
- *Publish on ArcGIS online*
- *Return info to Field staff*
Community work
Incident Management
Incident Management
Incident Management
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Incident Management

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Incident: Route Sion
- Type: Incident
- Related: Robbery
- Street: Route Sion
- Zone: Grand Ravine
- Date: November 17, 2014
- Commune: Port-au-Prince
- Information: Pertes de matériels du projet 22 barres de fer 1/2, 12 barres de fer 3/8 et 40 unités de bois 2*4*12
- Attachments: No attachments found
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Incident Management

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When this happen, what is your evacuation plan?
How we use this information to increase the security of the project agent in the most risky area in Port au Prince?

Visually the manager know the security situation of the area via a map. Daily monitoring the security tendency by zone with our community agent (CLO).

- Build an evacuation strategy for the field agent in emergency situation
- Produce a spatial analyzing to identify which zone we should pay attention
- Feel confidence when working in the intervention zone of the project
Violent demonstration
The Power of ArcGIS online with Collector

• Real time data collection
• Real time reporting on Operation dashboard for ArcGIS
• Facilitate the Exchange of security event with other NGO’s in the same Area by sharing a web map application
• Allow the security department of the organization to react on time to a security issue.
• Compatible with any smartphone (iOS and android)
Peace of mind when working in the field
Why we will recommend this app to other Organization?

Findings

Portail ArcGIS

Autres applications ArcGIS

ArcGIS Online et/ou ArcGIS Server (Portal for ArcGIS)

Collector for ArcGIS
CRS staff work peacefully on the field
Why we will recommend this app to other Organization?

• Budget
  ❖ The ESRI application is not expensive for the NGO’s, they have a affordable price depending of the usage you plan do with the GIS application.

• All tools we want for GIS management on one place
  ❖ Collect (collector) – Publishing (ArcGIS online) – Data Analysis and layout (Arc Map) – Reporting (Operation Dashboard) – Success Stories (Story Map)

• Compatible to every device - Operating system – browser
  ❖ Wants work in collaborative GIS project on Windows, Linux or MAC OS
  ❖ Want gather or publish GIS data (ArcGIS online and Explorer) for iOS, android mobile devices
Summary link

- Web map application link: http://arcg.is/1DxEDdg
- Story Map: https://crsorg.maps.arcgis.com/apps/MapTour/index.html?appid=f848f807ae744684b56ebda3538a3d44
- Operation Dashboard link: https://crsorg.maps.arcgis.com/apps/dashboard/index.html#/f8cdd7099de642c49a22f87aa9085057

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thank you