

Open Data Impact In The Caribbean

- In Search of Evidence

By Yacine Khelladi

Exec. Director Fundación Taigüey – COI Founding member
Open Parliament Workshop



Asuncion, Paraguay

May 26-27th, 2016



Caribbean Open Institute

- regional initiative conceptualized by a community of Caribbean stakeholders and sponsored by the International Development Research Centre (IDRC) that seeks to facilitate the emergence of a Caribbean Knowledge Economy
- Three core pillars: **Open Data** - to foster the embracing of Open Data initiatives – **Research Communications** - promoting evidence-based policy making and **Impact** – new ways of planning, monitoring and evaluation in the information society
- Social Innovation – civic technologies – local business and competitiveness – civic engagement – participation and transparency – multi stakeholder communities - impact research



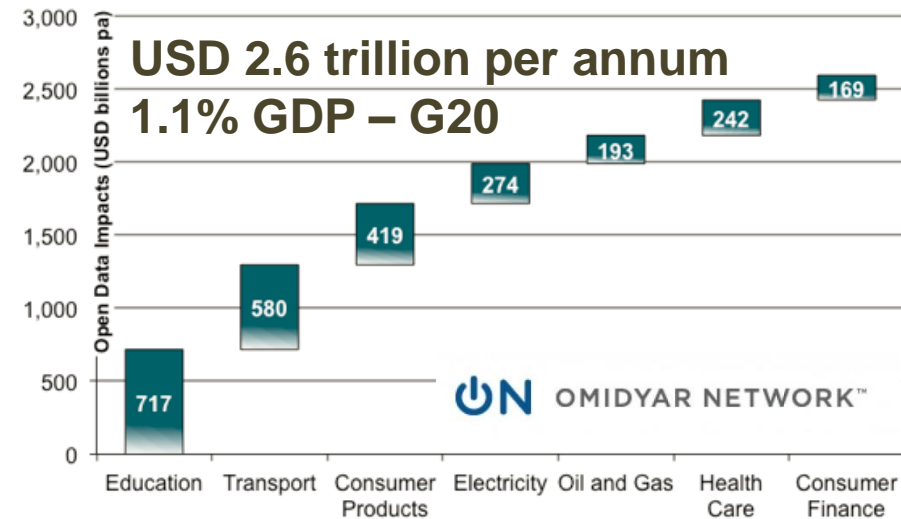
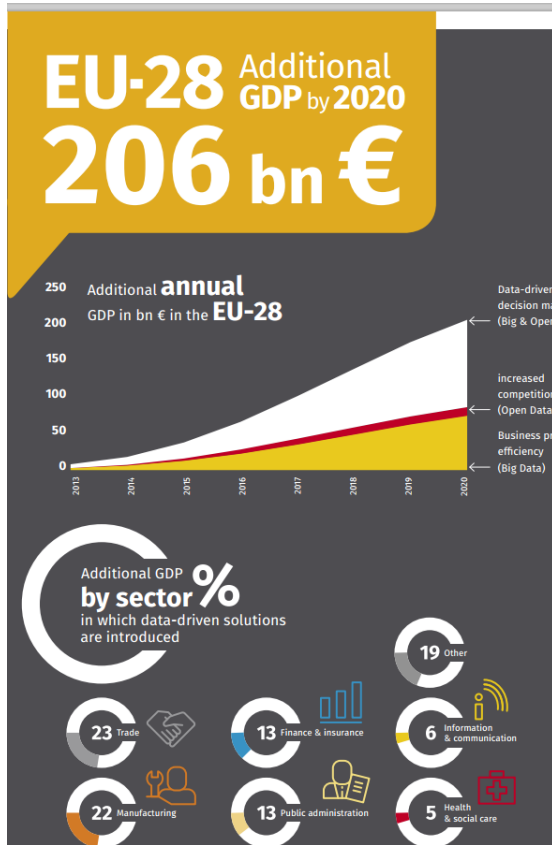
\ **Open·Government·Data** \ *n. v.*

“The proactive release of Government **Data** in a **format** that can be **freely** used, **reused** and redistributed by **anyone** for **any purpose**”

The Economic Opportunity of Open Data



Open data
A new goldmine



Post 2015 Data Revolution

“Transformative actions needed to respond to the demands of a complex development agenda” - *undatarevolution.org*

- Data lifecycle: efficiency+ thru production, collection, use
- Data liberation: transparency, accountability, equity
- Capacity building: data literacy, small & big data & analytics
- Metrics: new targets and indicators

Barriers to Open Data in the Caribbean

- Cultural
 - Limited access to high quality, locally relevant data
 - Data produced using public resources is often considered the private property of the organization which produced it
 - Cultural and institutional habits that forego the use of data, and other forms of evidence, for policy and decision making
 - Capacity-building efforts are required to effectively use new technologies to investigate, analyse, communicate and inform policy/decision-making
- Structural / Institutional
 - Small Island Developing States with limited scalability & resource endowments
 - Civil Society and Media Apathy towards Open Data, Governments slow to embrace
 - Competing Policy and Political Agenda Priorities for Scarce Resources

In Search of Evidence of Open Data *Impact Potential*

- Required To:
 - Identify Potential Value Impact Opportunities
 - Inform Policies & Approaches
 - Facilitate Targeted Interventions and Optimal Allocation Of Resources
- Mechanisms Used:
 - Engagement and Experimentation through CodeSprints & Fellowship Models
 - Capacity Building (intermediaries and consumers)
 - Economic Value Analysis in targeted domains
 - **Sector Studies & Action Research**
 - **Community Building**

Economics of Caribbean Open Data

eg. Tourism Levers/Drivers

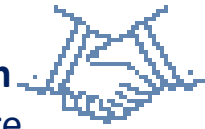
Efficiency & Effectiveness

- **Improved quality of service delivery in support services such as transportation, entertainment and merchandising.** eg. Open-Data-enabled mobile Apps
- **Enhanced tourism product information** and diversity of choices for discriminating visitors with niche interests
- Enhanced Market analysis and selective targeting through access to tourism origin data to stimulate Apps development, and enhance sector analysis and visualization



Participation & Collaboration

- **Increased linkages between tourism and other sectors** such as Agriculture, Manufacturing, arts & craft, self-employed service providers
- Empower Community Tourism interests and stakeholders with greater participation and collaboration in the development of the community tourism product; Open Data initiatives can impact positively on the visibility, inclusiveness and welfare of small operators



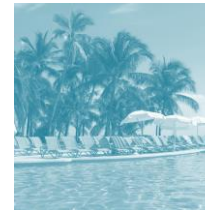
Transparency

- Increased transparency in the allocation and disposal of resources/funds for the development of the sector (i.e. Tourism Enhancement fund; JSIF – community-based tourism development)



New Services & Businesses

- Increased visibility and clientele for smaller hotel properties, attractions
- Enable product development and market access for community-based tourism initiatives
- **Innovation opportunities for software developers and other service entrepreneurs**



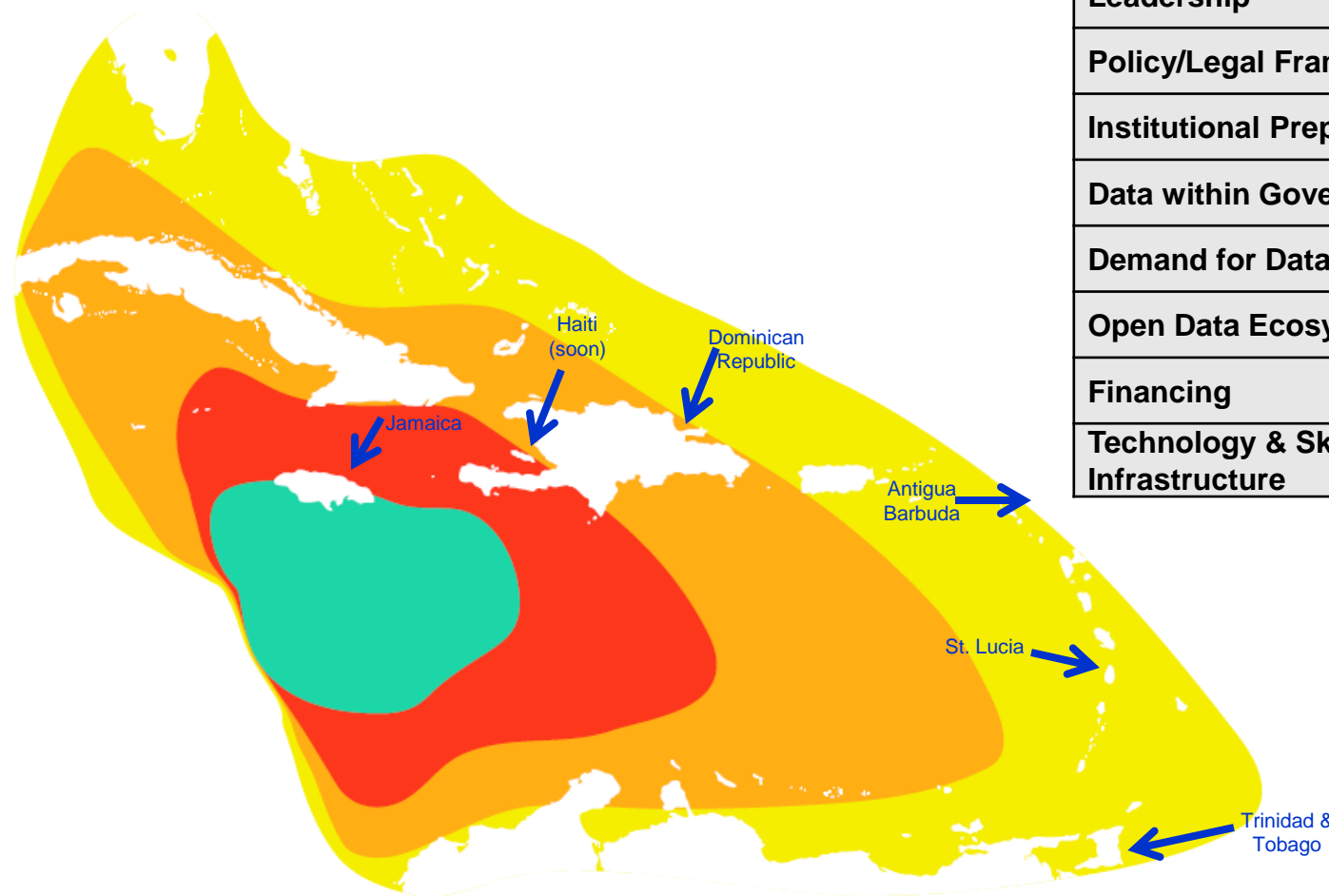
Open Data Readiness Assessment in Caribbean



WORLD BANK GROUP



UKaid
from the British people

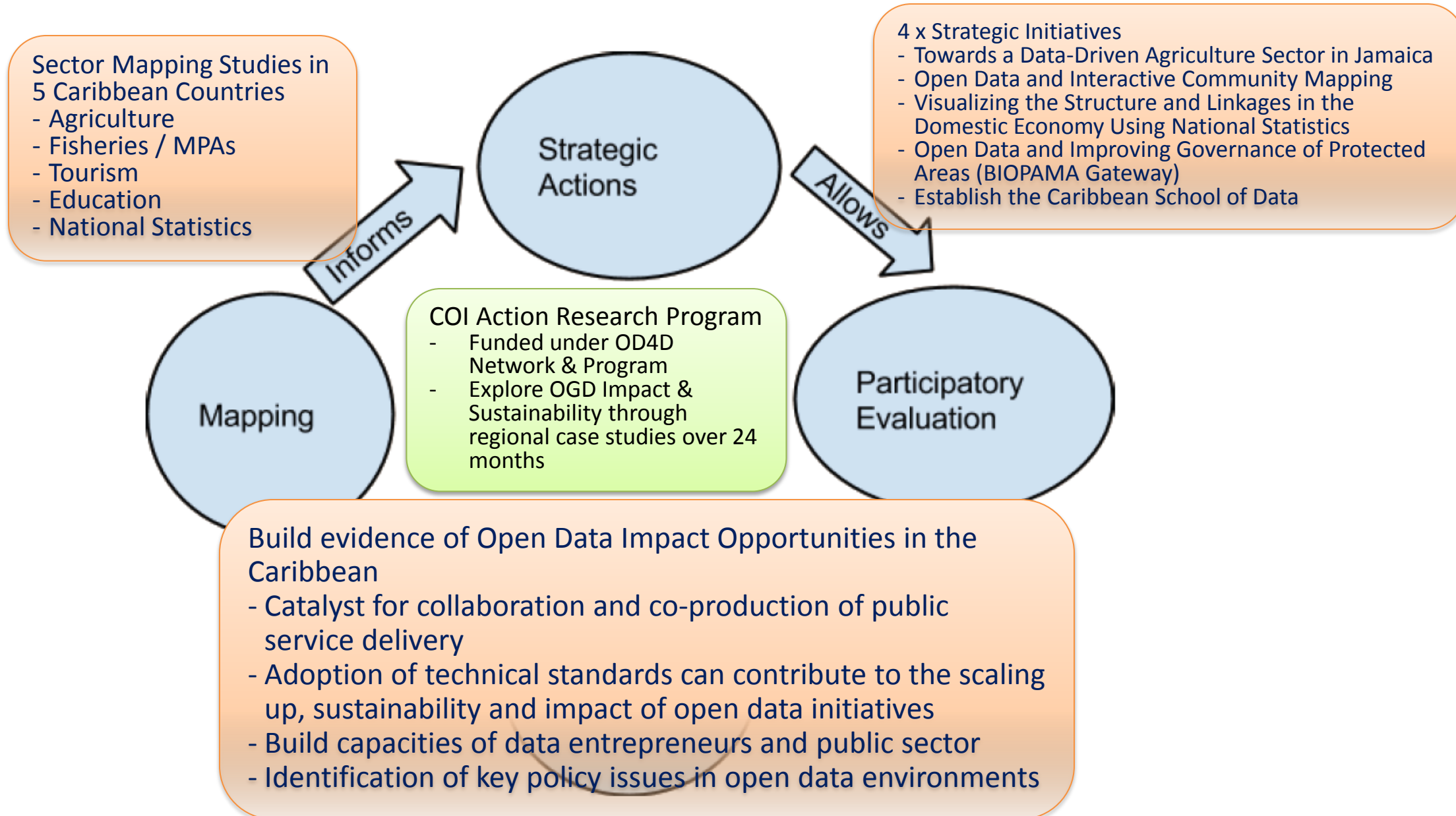


| DIMENSION | RATING |
|------------------------------------|----------------|
| Leadership | Yellow |
| Policy/Legal Framework | Yellow |
| Institutional Preparedness | Yellow/Red |
| Data within Government | Yellow |
| Demand for Data | Yellow/Red |
| Open Data Ecosystem | Green ✓ |
| Financing | Yellow |
| Technology & Skills Infrastructure | Green/Yellow ✓ |

Emerging Insights to inform “*Theories of Change*”

- **Intermediaries** will play a significant role both as catalysts and enablers
- Greater impetus and resonance will derive from increased **efficiency of public service delivery, and innovation** leading transparency/accountability
- **Innovation fellowships** will provide an important mechanism for collaborative government-civil society co-creation in key developmental areas
- The value sustainability of the open data initiatives in the region will ultimately rely on the emergence of a **vibrant Caribbean open data ecosystem** of actors
- **Governments’ role** will require active participation on supply and demand sides of the Caribbean open data ecosystem
- **Multi-sector approaches** will drive the greatest economic returns on open data
- Scale limits and resource deficits will require a common set of technology platforms, tools, standards and code repositories for shared use i.e. **the Caribbean Digital Commons**

Current Open Data Research



Open Data Strategic Initiatives

| | |
|---|---|
| <p>Towards an Agriculture Digital Services Model for Data-Driven Agriculture Sector in Jamaica</p> <p>Sector: Agriculture</p> <p>Target Impact: Explore the potential of emergent best practice in government digital services to address challenges in data accessibility, quality and data gaps</p> | <p>Open Data and Interactive Community Mapping: Empowering Local Community Tourism</p> <p>Sector: Community Tourism</p> <p>Target Impact: effective engagement, capacity-building & empowerment of local community participants</p> |
| <p>Visualizing the structure and linkages in the Jamaican economy using Official Statistics (Administrative Data)</p> <p>Sector: National Statistics</p> <p>Target Impact: increase the accessibility, understandability & re-usability of national statistics</p> | <p>Open Data and the BIOPAMA Gateway: Towards Improved Governance and Decision-Making of the Caribbean's Protected Areas</p> <p>Sector: Marine Protected Areas</p> <p>Target Impact: Greater alignment of data (biodiversity, livelihoods, governance) to enhance governance and decision-making affecting PAs</p> |
| <p>Establish the Caribbean School of Data</p> <p>Sector: All</p> <p>Target Impact: In general, building data literacy capacity will increase the impact of the various open data initiatives across sectors. The emphasis of this initiative will be on sustainability through established regional capacity-building institutions</p> | |

DevCA - Developing the Caribbean

A Powerful Convening Platform for Caribbean Open Data



DevCA is a Multi-Country Open Data Conference & Codesprint

DevCA is now in the 4th Edition (2012, 2013, 2015, 2016)

- Conference Sites: Jamaica, Trinidad, Dominican Republic
- Codesprint sites: Barbados, Guyana, Cuba, St.Kitts

Thematic Areas: Agriculture, Tourism, Education, Data Journalism, Census 2010, Consumer Prices, Elections

Conference website: <http://developingcaribbean.org>

Outcomes: Awareness, Advocacy, Engagement, Experimentation, Entrepreneurship



DevCA Engages with Caribbean Leaders...



DevCA Engages with International Experts...



DevCA Engages with Caribbean Academics...

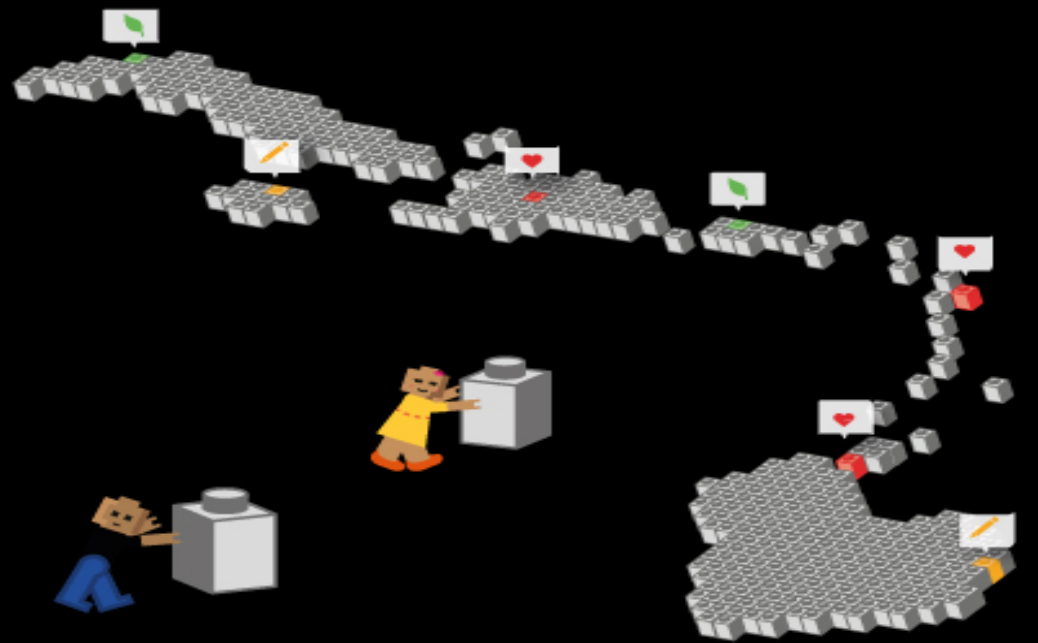


DevCa
Developing
the Caribbean 2015

DevCA Engages with Caribbean Technologists...

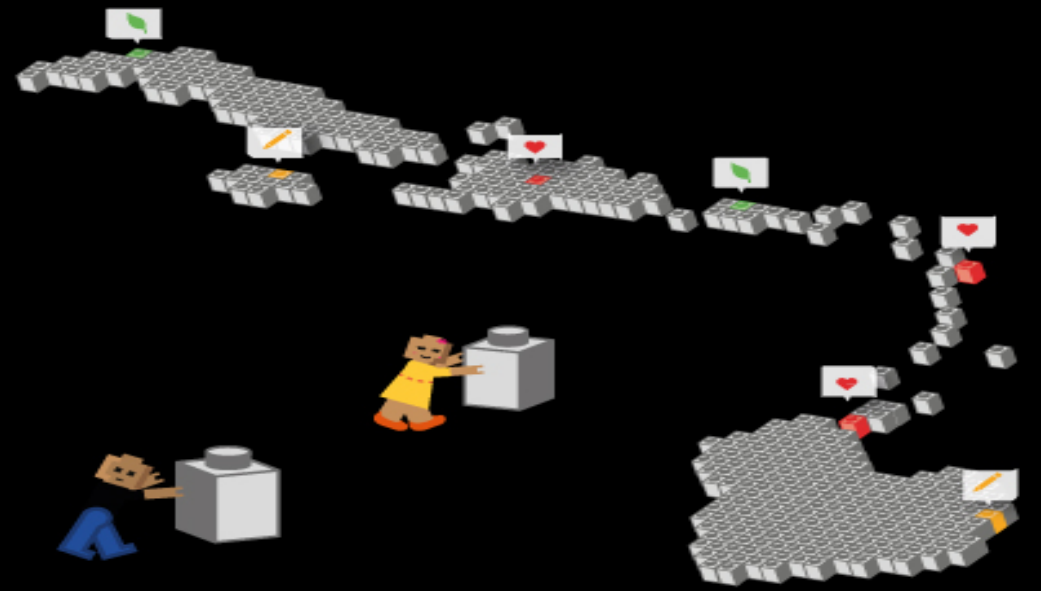


DEVELOPING THE CARIBBEAN



DEVCA - BUILDING THE CARIBBEAN DIGITAL COMMONS

DevCa
Developing
the Caribbean | 2015



The Caribbean Digital Commons

Imagining the Future Digital Caribbean

- **Opencaribbean.org:** *Open Caribbean Datasets for Entrepreneurs and Innovators*
- **Caribbean School of Data:** *Building Data literacy and Digital Competency across the Caribbean*
- **DevCA:** *A Platform (Open Space) for convening multiple stakeholders around Digital Services-enabled problem-solving*
- **Caribbean Mobile Innovation Program:** *Building the mobile Apps ecosystem*
- **Caribbean FOSS Ecosystem:** *Peer-Production model for Indigenous Solutions*
- **Caribbean Open Forum:** *communities of practice*

Fundación Taigüey #DevCa2012: first OD event in Dominican Republic

- Seminar on OD, and hackaton on apps for National development strategy (END) using 2010 census data



<http://developingcaribbean.org/>

Desarrollando el Caribe 2012

Seminario: "La Importancia de los Datos Abiertos para El Desarrollo Nacional"
+
Concurso de desarrollo de aplicaciones y visualizaciones con Datos Abiertos Dominicanos

26-27 de Enero 2012

Un evento simultaneo en tres países de la región:
Trinidad y Tobago – Jamaica - República Dominicana

Organizan en el Caribe

University of the West Indies –
St Augustine Campus
(Trinidad & Tobago)



University of the West Indies
Mona Campus - School of
Business
(Jamaica)



Fundación Taigüey
(Rep. Dominicana)



Fundación Taigüey

Colaboran con el evento en República Dominicana

Instituto Tecnológico de Las
Américas (ITLA)



Oficina Nacional de
Estadística (ONE)



Comisión Nacional para la
Sociedad de la Información y el
Conocimiento (CNSIC)



Un proyecto regional implementado con el apoyo financiero el



Centro Internacional de
Investigación para el Desarrollo
(CIID-IDRC) de Canadá

#DevCa2013:

UN- ECLAC study and Education Hackaton

DEVELOPING THE CARIBBEAN



Hackaton #DevCa2013

Datos Abiertos para una
Educación Dominicana de Calidad





#DevCa2016: Electoral Hackaton, live after 10 days with Participación Ciudadana

Hackaton Electoral
#DevCa2016



ORGANIZAN



Fundación Taigüey



FINANCIA



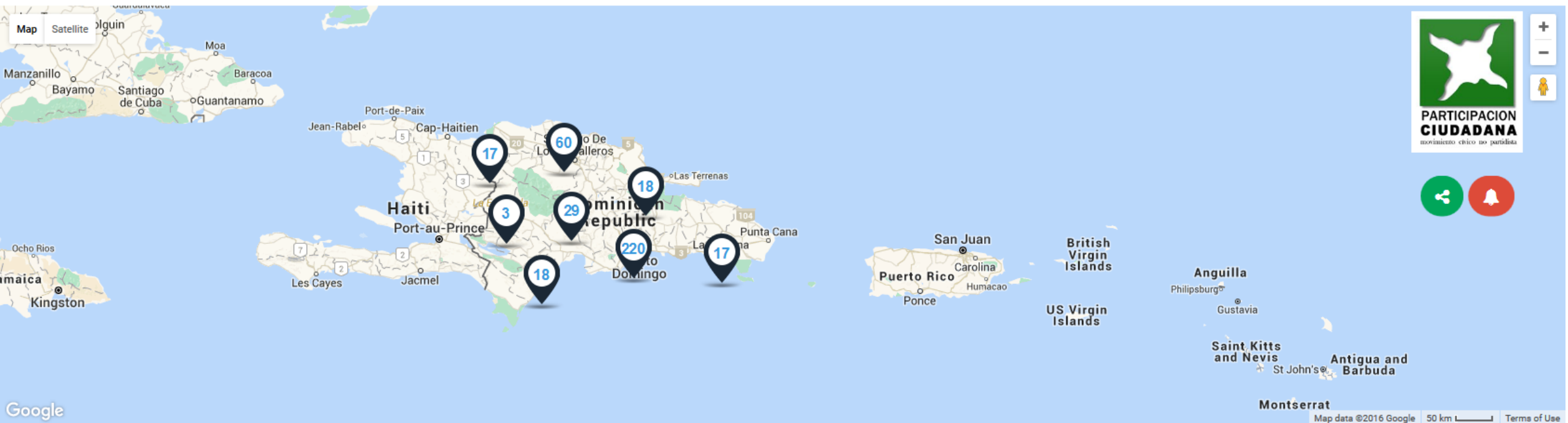
COLABORAN



Hackaton Electoral #devca2016

#OBSERVACIÓN2016

INICIO CANDIDATURAS DENUNCIAR NOSOTROS



Mapa de incidentes verificados por Participación Ciudadana (y si tiene una, deje su [Denuncia o Reporte](#))



502

Reportes Recibidos



181

Verificados



90

Rechazados



231

En Proceso de Verificación

Busca tus candidatos!

Nivel MUNICIPAL

Municipio o Provincia LA CIENAGA

Cargo ALCALDE

Partido Todos...

BUSCAR

| Demarcacion | Cargo | Posición | Nombres | Siglas | Sexo | Aliados |
|------------------------|---------|----------|------------------------------|--------|------|---|
| Municipio : LA CIENAGA | ALCALDE | 1 | ERIKA ODAMIRIS SANCHEZ FELIZ | APD | F | PRSD |
| Municipio : LA CIENAGA | ALCALDE | 1 | LUIS ENRIQUE ARBOLEDA GOMEZ | FNP | M | |
| Municipio : LA CIENAGA | ALCALDE | 1 | ISIDORO KELVIN FELIZ JIMENEZ | PLD | M | PRD, MODA, BIS, PCR, PTD, PPC, PAL, PASOVE, PDI, PDP, PNVC, PRI |
| Municipio : LA CIENAGA | ALCALDE | 1 | FELIPE MEDINA DE LEON | PQDC | M | |
| Municipio : LA CIENAGA | ALCALDE | 1 | CARLOS AMADO FELIZ SANTANA | PRM | M | PRSC, PHD, PUN, DXC, FRENTE AMPLIO |

Showing 1 to 5 of 5 entries

Previous 1 Next



Puedes denunciar cualquier acto irregular que observes en el proceso electoral.

DENUNCIAR

También puedes denunciar un problema o incidente enviando mini mensaje al 849 655 8999, dinos que pasó y dónde fue. El equipo de Participación Ciudadana investigará el incidente.

Verifícate por minimensaje

Manda tu número de cédula completo a este número para saber tu recinto de votar

 849 655 8999

← COMPARTIR

Realice aquí cualquier reporte de incidencia o denuncia. Díganos que pasó e investigaremos

Usted puede opcionalmente dejar su número de teléfono para que el equipo de Participación Ciudadana lo llame para investigar su denuncia. Sus datos personales son confidenciales solo serán usados por el equipo de observación electoral de Participación Ciudadana.

Municipio

Seleccionar...

Comunidad o Barrio

Comunidad o Barrio

(Opcional) Recinto

Seleccionar...

(Opcional) Nombre Completo

Nombre Completo

TELÉFONO

(Opcional) Celular

Celular

- Partidos haciendo proselitismo
- Propaganda política en los recintos
- Compra y/o venta de cédula
- Oferta de dinero por votar
- Personas controlando cédulas e introduciendo personas a los colegios
- Reparto de dadivas
- Distribución de bebidas alcohólicas recinto votación
- Violencia o riñas
- Robo de urna
- Distribución de dinero

Twitter scan for hastags -- > invite to the
<http://votchat.com/>



The screenshot shows a dark blue chat interface. At the top, there are logos for VOT, Caribbean Open Institute, Fundación Taigang, and PARTICIPACION CIUDADANA. The chat history shows two messages from 'VotChat' with a 'V' icon. The first message says '¡Hola, buenas tardes!, soy el robot inteligente de monitoreo electoral de Participación Ciudadana.' The second message says '¡Empecemos!, ¿Me cuentas tu reporte ó denuncia?'. At the bottom, there is a white input field with the placeholder text 'escribeme tu reporte...'.

VOT

Caribbean Open Institute

Fundación Taigang

PARTICIPACION CIUDADANA

VotChat:
¡Hola, buenas tardes!, soy el robot inteligente de monitoreo electoral de Participación Ciudadana.

VotChat:
¡Empecemos!, ¿Me cuentas tu reporte ó denuncia?

escribeme tu reporte...



¡Hola, buenas tardes!, soy el robot que

te ayuda.



VotChat:

¡Empecemos!, ¿Me cuentas tu reporte ó denuncia?



Tu:

están quemando uranas y actas



VotChat:

¡Gracias por informarnos!



VotChat:

¿Deseas abundar más en tu reporte?

escribeme tu reporte...

Resultados al 18 de mayo 2016

| | entradas | Aprobadas | Rechazada | en proceso verificacion | Inactiv a | Pendiente asignar |
|-----------------|----------|-----------|-----------|----------------------------|--------------|----------------------|
| del web | 392 | 113 | 27 | 134 | 6 | 4 |
| del SMS | 60 | 1 | 42 | 12 | 4 | 0 |
| del bot chat | 45 | 1 | 15 | 20 | 3 | 1 |
| total | 497 | 115 | 84 | 166 | 13 | 5 |
| % | 100% | 23% | 17% | 33% | 3% | 1% |

International comparison

(by Amanda meng Georgia Tech)

| | | |
|---|------|----------------------------|
| Nigeria 2015 (third year of Aggie) | 249 | 33% verified |
| Ghana 2012 | 358 | Not verified |
| Argentina Ojo el Voto | 3606 | Not verified |
| #DevCA2016 In Dominican Rep. | 497 | 23% and more as we talk |

Gracias - Thank you

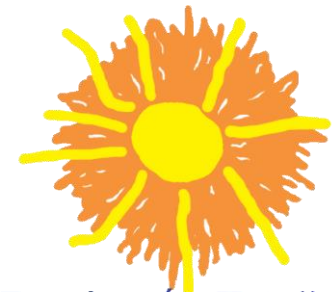
Yacine Khelladi – yacine@yacine.net

Fundación Taigüey– www.taigüey.org

Caribbean Open Institute www.caribbeanopeninstitute.org



The
**Caribbean
Open Institute**



Fundación Taigüey