Executive Summary Report

The Caribbean Open Data Conference & Code Sprint

THREE Countries. ONE Amazing Event.

http://developingcaribbean.org/

by

Regional Organizing Committee

22 April 2012
Summary

The Caribbean Open Data conference, themed “Developing the Caribbean” is a multi-country event, comprising an Open Data Conference and Code Sprint, that was staged over the 2-day period, 26 – 27 January 2012 at locations in Jamaica, Trinidad & Tobago and the Dominican Republic, with virtual participating nodes in Barbados and Cuba.

The broad objectives of the regional event were to:

1. Sensitize various publics to the growing global open data movement as well as the issues, opportunities and potential gains for open data in the Caribbean. Key communities targeted were data gatherers, producers, processors and publishers; policy makers; regulators; executing agencies; academics; development-focused communities of practice and service providers.

2. Present ICT students, innovators and entrepreneurs with the proposition of data-centric, development-focused applications as a viable and meaningful target of their attention.

3. Demonstrate the application of data-centric, development-focused ICT solutions to contemporary local and regional problems.

4. Simultaneously, across the Caribbean, bring together diverse communities of multi-sector, multidisciplinary, stakeholders and service agents as a microcosm of an open data ecosystem.

5. Trigger some stakeholders to consider, and others to embrace, data openness as a central operating principle.

Detailed reports of the individual country events are attached, and reflect the unqualified success for the overall initiative on many levels:

- The sensitization and awareness of the possibilities of Open Data among key stakeholders in the public / private sectors, academia and civil society generally, was facilitated by an encouraging breadth of coverage and visibility of the events in the local and regional media (both traditional and social media)

- The endorsement and support of public sector institutions and agencies both in the contribution of open data as well as active participation in the events. In many instances, the presence of high-profile individuals helped to stimulate media interest in the event and also created channels for subsequent dialogue and advancing the Open Data agenda
• The level of engagement and participation of the local technology communities (specifically software developers) in the event with over 120 developers taking part in the codesprint
• The quality of the ICT artifacts produced from the 24-hr codesprint demonstrated the local and regional capacity for technology innovation and entrepreneurship, and the potential for Open data to become a catalyst in this innovation process.

Future Outlook
Open Data is a rapidly growing movement worldwide, spurred by the Open Government Partnership (OGP) initiative (http://www.opengovpartnership.org/), which has already seen over 50 countries as signatories to the principles and action plans of the Open Government charter. The English–Speaking Caribbean is expected to become an active part of this global community with Trinidad already signaling it’s intent to join this global partnership and Jamaica and other countries are expected to follow during the near future.

The Caribbean Open Data conference will be an annual event, and we expect it to become the signature activity in the increasing momentum and importance of the Open Data movement in the Caribbean, as a driver of greater public sector transparency, improved service delivery and open participative innovation.

We also expect the Caribbean Open Data conference to become an important contributor to the ongoing growth and maturation of the local and regional software developer community as a locus of innovation and entrepreneurship in the region. In this regard, we fully anticipate that the scope and footprint for the event will expand to more Caribbean countries in future stagings, with Barbados, Guyana, Cuba and Haiti being targeted for full participation in the upcoming 2013 edition. The established affiliation with the “Developing Latin America” event (http://desarrollandoamerica.org/) is an important value-adding partnership that will help to bring a further level of synergy and scalability to the Open Data/Developing the Caribbean event.
**Sponsorship Perspectives**

We are delighted that our local and regional sponsors came on board to contribute to the substantial demands on logistics, catering, prize awards, human resources, competition wear, promotions and facilities across the region. The sterling contributions of local sponsors are reflected in the individual country reports.

In particular we recognize the vision and direct support of the International Development Research Centre, IDRC and additional regional sponsorship support that was received from JUNAR, GitHub, RIM, LIME, Polycom and the Sunlight Foundation.

We look forward to these continued engagements and partnerships in helping to realize the collective vision of “Developing the Caribbean” through technology and innovation.
Present

The Caribbean Open Data Conference

DEVELOPING THE CARIBBEAN

THREE Countries. ONE Amazing Event.

www.developingcaribbean.org

Jamaica Conference Report

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Introduction

The "SlashRoots/DEV | Caribbean Open Data Conference & Code Sprint" held on January 26-27 was an initiative of the Mona School of Business’s Centre of Excellence (COE) and the SlashRoots Developer Community. The event consisted of a two day conference highlighting open data, software development, and the use of technology to solve social problems. All these activities centred on a 24hr developer code sprint in which teams of developers build applications using open data to solve problems.

The local SlashRoots event was a part of a broader regional event themed “Developing the Caribbean”. The event was the first of its kind and brought together policy makers, industry stakeholders, web programmers, graphic designers, and technology enthusiasts in six countries from the region. Host events occurred simultaneously in Jamaica, the Dominican Republic and Tobago, and virtual satellite events in Cuba, Barbados, and Guyana. The response was extraordinary.

The success of the conference organization was facilitated through the passion, dedication, and collaboration between teams from the following organizations:

Jamaica: Mona School of Business | SlashRoots Developer Community
Trinidad: UWI’s CIRP(TT)
Dominican Republic: Fundacion Taigüey
Barbados: HIVE Foundry
Cuba: University of Information Sciences
Chile: Ciudadano Inteligente

While “SlashRoots/DEV | Caribbean Open Data Conference” was an initiative of MSB and SlashRoots, the event could not have been possible without our sponsors who believed in the mission and methodology of the event. Special thanks to the following:

<table>
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<th>Regional Sponsors</th>
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<tr>
<td>International Development Research Centre of Canada (IDRC)</td>
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<td>Caribbean Open Institute</td>
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<td>RIM – Blackberry</td>
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<td>IBM</td>
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<td>Grace</td>
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Event Highlights

- **The Results**
  - 30+ regional problem ideas
  - ~10 local app submissions (~40 regional app submissions)

- **The Community**
  - 350+ local conference attendees (900+ across the region)
  - ~35 developers in Jamaica (180+ across the region)
  - 100+ person tuned into the live streaming

- **Media Coverage**
  - 10+ local publications (25+ regional features)
  - The following is a truncated list of media highlights
    - **TV**
    - **Radio**
      - RJR
        - “UWI in action” interview with Dr Maurice McNaughton
        - Beyond The Headlines interview with Dr McNaughton and Cuban presenters
      - Power106 –
    - **Articles**
  - **Social Media**
    - 4,590 Unique Visitors to the conference website (2,673 on the week of the event)
    - SiliconCaribe
      - Live Tweeting/Blogging from SiliconCaribe
      - [http://www.siliconcaribe.com/2012/01/10/slashroots-is-developing-the-caribbean-3-countries-1-amazing-conference/](http://www.siliconcaribe.com/2012/01/10/slashroots-is-developing-the-caribbean-3-countries-1-amazing-conference/)
    - ICT Pulse coverage of the Ideation process and stakeholder engagement
Event Summary
The two day event attracted over 350 attendees consisting of policy makers, researchers, technology enthusiasts, and students. Day 1 targeted high level stakeholders and decision makers who shared an interest in the philosophical and strategic benefits of open data, as well as broader approaches and concerns. The event opened with remarks from the Minister of Science, Technology, Energy and Mining (STEM) Hon. Philip Paulwell and a keynote presentation by Dr. Tariq Khokhar, World Bank Open Data Evangelist.

Other notable presentations included an engaging panel consisting of the Most Honourable Edward Philip George Seaga, Ms. Sonia Jackson, Director General, STATIN and Cecille Blake, National GIS coordinator, Spatial Data Management Division. Day 1 concluded with case studies on regional innovation approaches from a Cuban delegation from the University of Information Sciences, Dr Garth Baker of the Caribbean Institute of Mathematical Sciences, and a panel discussion examining the role of ICT in national development.

Also beginning on the first day was the regional code sprint. Parallel developer briefings were held across the region. These sessions established the background and motivation for the code sprints and summarized the terms of reference, key tools and datasets to be used. Each of the main conference sites focused on slightly different thematic areas. The Jamaica code sprint focused on the areas of agriculture, trade and economic indicators, and tourism. Trinidad and Tobago focused on ICT access, small scale fisheries and agriculture. The Dominican Republic site focused on encouraging applications with a broader developmental scope. However, in all sites developers could choose to build applications that solved problem in either of the thematic areas or utilizing any regional data they wished.

Technical workshops and code sprint app presentations were the focus of Day 2's proceedings. This session was pitched at a younger audience and was very well attended with well over 100 attendees, predominantly from local high schools and tertiary institutions. Upon completing of the 24 hours of development, the code sprint participants presented their application prototypes to the audience and a panel of judges in the afternoon.

Code sprint applications were assessed by the panel of judges on the basis of launch-ability (0-10), open data usage (0-15), originality and problem solving (0-20), features and usefulness (0-15), user experience/ user interface (0-10), long term potential (0-20) and presentations (0-10). Judges deliberated during the closing keynote address.

Subsequent to presentations and judges deliberations, the top three teams were chosen and awarded first, second and third place trophies and prize monies of US$1500.00, US$1,000.00 and US$500.00 respectively. The IBM sponsored “Sapna-Raver” team were the competition winners with "IT-Farm", while the MC Systems' sponsored “Hybrid Tech Solution" took second place with "Harvestyme", and the one-man MSB sponsored “Exterbox" team came third with the "Higgler" web app. More information about the applications can be accessed here:

- Complete listing of application submissions: http://developingcaribbean.org/category/apps-2012/
- First place: IBM's IT-Farm: http://developingcaribbean.org/2012/02/it-farm-2/
Simultaneous code sprints in the Dominican Republic and Trinidad & Tobago were also judged in their local settings on the afternoon of 27 January 2012. The top three winning teams from each of the three participating countries proceeded to a regional competition based on the applications built during the local events. Regional judging, completed a week later, ranked the submissions as follows:

- **First Place:** UWI St. Augustine’s Campus IT Services with "Fish Network" http://developingcaribbean.org/2012/02/fish-gear-analysers/, a Web and mobile application which combines a fishing gear analyzer and a fish analyzer to provide key inputs into national marine resource management and guidance to small scale fisher folk on opportunities for improving operational efficiency. The Fish Network is also an important resource for visitors from abroad who wish to fish locally or to adhere to local marine resource management guidelines.
- **Second Place:** Dominican Republic’s Team Beceritos with Crecerd http://developingcaribbean.org/2012/01/crecerd/, a web application which provides updated information and historical statistics on high growth areas to guide entrepreneurial investment;
- **Third Place:** Dominican Republic’s Team Uapianos with Monitor ODM http://developingcaribbean.org/2012/01/monitor-odm/, a Web application which provides information about the objectives of the Millennium Development Goals, MDGs, and the achievement gap.

The prize for the first place regional winners included all-expenses paid trip to The Sunlight Foundation’s Transparency Camp Conference. The Sunlight Foundation is a non-profit, nonpartisan organization that “uses the power of the Internet to catalyze greater government openness and transparency, and provides new tools and resources for media and citizens”. Their conference, Transparency Camp, is one of the most important events on the open government and ICT for development tech calendar. Regional sponsors, Blackberry (RIM), have also committed to providing prizes to the regional winners. The regional competition was judged by a panel comprising one representative from each participating site and a representative from the IDRC.

**Motivations**

This initiative was motivated by the confluence of broad and sustained Caribbean stakeholder agreements that, inter alia:

1. National and regional development are inhibited by the paucity of accessible data on which to build evidence-based policy and programming interventions;
2. ICTs have a critical role to play in many dimensions of national and regional development, as enshrined in national strategies across the Caribbean;
3. The building of national and regional innovative capacities is a crucial enabler for
bootstrapping social and economic development;
4. The Caribbean needs to activate effective intra-regional collaboration.

**Objectives**
The broad objectives of the Caribbean Open Data Conference and Code Sprint were to:

1. Sensitize various publics to the growing global open data movement as well as the issues, opportunities and potential gains for open data in the Caribbean. Key communities targeted were data gatherers, producers, processors and publishers; policy makers; regulators; executing agencies; academics; development-focused communities of practice and service providers.
2. Present ICT students, innovators and entrepreneurs with the proposition of data-centric, development-focused applications as a viable and meaningful target of their attention.
3. Demonstrate the application of data-centric, development-focused ICT solutions to contemporary local and regional problems.
4. Simultaneously, across the Caribbean, bring together diverse communities of multi-sector, multidisciplinary, stakeholders and service agents as a microcosm of an open data ecosystem.
5. To trigger some stakeholders to consider, and others to embrace, data openness as a central operating principle.

**Methodology**
In preparation for the event, country coordinators engaged a range of local stakeholders over a period of several months. In Jamaica, these included but were not limited to:

**Data Gatherers/Publishers**
- Ministry Of Agriculture & Fisheries
- The Statistical Institute of Jamaica
- The Rural Area Development Agency
- The Tourism Product Development Company
- The Ramphal Centre, University of The West Indies, Cave Hill, Barbados

All of these institutions provided data in open format to be used for the Caribbean Open Data Conference and Code Sprint.

**Problem Space Contributions**
Consultations were held with data contributors as well as several other agents in the academic and civil sectors to articulate development-focused problems whose solutions would draw on the local open data in hand. The problem specifications and related resources were posted at [http://caribbeanopendata.ideascal...](http://caribbeanopendata.ideascal...), an ideation platform that facilitated comments and votes from the general public.

**Experts & Institutional Speakers**
Conference speakers were selected, on their experience and institutional associations, to facilitate a broad yet rich account of expert opinion, perspectives and analysis as the basis for contemplating
the open data proposition. These speakers were:

**Policy**
- Most Honourable Edward Philip George Seaga, O.N. P.C., LL.D. D.Litt. (Hon.)
- Hon Dr Philip Paulwell, Minister of Mining, Energy & ICT
- Prof Evan Duggan, Executive Director, Mona School of Business
- Dr Tariq Khokhar, World Bank Open Data Evangelist
- Ms. Sonia Jackson, Director General, STATIN
- Cecille Blake, National GIS coordinator, Spatial Data Management Division

**Case Studies & Industry Insight**
- Prof Garth Baker, Director of Research for the Caribbean Institute of Mathematical Sciences (CIMS)
- Jose Ortiz Rojas, Dean, University of Informatics Sciences (UCI), Havana, Cuba
- Allan Pierra Fuente, Cuban Government’s Assessor in Free and Open Source Software migration
- Hugo Daley, CEO, Trancel
- Ingrid Riley, Founder/CEO, Connectimass
- Michael Rosberg, Director, Institute of Social Equity & Entrepreneurship, University College of The Caribbean
- Michele Maurius, Policy Director, JAMPRO
- Matthew McNaughton, Co-Founder, SlashRoots Developer Community

**Technical**
- Eric Mill, Developer, Sunlight Foundation
- Roger Davis, Co-Founder, Jamaica Design Association
- Angel Goñi Oramas, Founder and former leader of Nova Cuban GNU/Linux Distribution, Universidad de las Ciencias Informáticas, Havana, Cuba
- Jean-Mark Wright, GIS Programmer, Mona GeoInformatics Institute, UWI
- Khary Sharpe, CEO, Bakari Digital / Founder, Jamaica Developers Association
- Damon Dailey, CEO/Founder, Software Architects

To see full list of presenters and their respective presentations, visit
http://developingcaribbean.org/jamaica-2012/jamaica-agenda/

**Code Sprint Judges**
Code Sprint judges were selected on the basis of their skill and thematic expertise, as follows:
- Howard Hamilton, Director of IT, STATIN
- Dr Gunjan Mansignh, Professor, Department of Computing, The University of the West Indies
- Eric Mill, Developer, The Sunlight Foundation
the vision and direct support of the International Development Research Centre, IDRC. Additional regional sponsorship was received from LIME and PolyCom during the local events; JUNAR prior to, and during the local events; GitHub for the local events; and RIM and the Sunlight Foundation following the local events.

The substantial demands on logistics, catering, prize awards, human resources, competition wear, promotions and facilities on the ground in Jamaica was possible only through the generous contributions of the following local sponsors:

- **Silver Sponsorship**
  - Spatial Innovision
  - Gordon McGrath Attorneys-at-law

- **Bronze Sponsorship**
  - MC Systems
  - Trafalgar Travel
  - Digicel Business
  - Grace Kennedy
  - IBM

**Event Pictures**

<table>
<thead>
<tr>
<th>Winning team from UTECH along with Coordinator of programming club and other participating students</th>
<th>The Hon. Philip Paulwell, Minister of Science, Technology, Energy &amp; Mining</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-R Sonya Jackson (Dir. General-STATIN), Rt. Hon Edward Seaga, Cecile Baker (National GIS Coordinator, Spatial Data Management)</td>
<td>Members of top teams w/ Organizers and presenters</td>
</tr>
</tbody>
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3 COUNTRIES 1 AMAZING EVENT #OPENDATA 1 PURPOSE #OPENSOURCE 30 HOURS #SOCIALGOOD
Team sponsors banners in code sprint area

Team sponsors branding on all Developer Shirts

Jose Ortiz Rojas, Dean, University of Informatics Sciences (UCI), Havana, Cuba

Sonya Jackson, Director General STATIN

Industry Panel (L-R Maurice McNaughton (MSB), Michael Rosberg (Institute of Social Entrepreneurship and Equity), Michelle Maurius (JAMPRO), Hugo Daley (Trancel)

General Conference Room
High School attendees

Live blogging and tweeting sponsored by Silicon Caribe
Report on the Trinidad and Tobago Segment of The Caribbean Open Data Conference & Code Sprint

THREE Countries. ONE Amazing Event.

http://developingcaribbean.org/

by

Kim Mallalieu (PhD) on behalf of the CIRPTT Team

3 February 2012

Team Members:

1. Mr. Kevon Andrews
2. Mr. Jevon Beckles
3. Mr. Ravi Deonarine
4. Mr. Tremayne Flanders
5. Mr. Yudhistre Jonas
6. Mr. Mark Lessey
7. Mr. Abeni Mc Donald
8. Ms Jayantee Ramkissoon
9. Mr. Craig Ramlal
10. Ms Candice Sankarsingh
11. Mrs. Candice Simonta-Dyer
12. Ms Amanda Suraj
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I. MOTIVATION

This initiative was motivated by the confluence of broad and sustained Caribbean stakeholder agreements that, inter alia:

1. National and regional development are inhibited by the paucity of accessible data on which to build evidence-based policy and programming interventions;
2. ICTs have a critical role to play in many dimensions of national and regional development, as enshrined in national strategies across the Caribbean;
3. The building of national and regional innovative capacities is a crucial enabler for bootstrapping social and economic development;
4. The Caribbean needs to activate effective intra-regional collaboration.

II. OBJECTIVES

The broad objectives of the Caribbean Open Data Conference and Code Sprint were to:

1. Sensitize various publics to the growing global open data movement as well as the issues, opportunities and potential gains for open data in the Caribbean. Key communities targeted were data gatherers, producers, processors and publishers; policy makers; regulators; executing agencies; academics; development-focused communities of practice and service providers.
2. Present ICT students, innovators and entrepreneurs with the proposition of data-centric, development-focused applications as a viable and meaningful target of their attention.
3. Demonstrate the application of data-centric, development-focused ICT solutions to contemporary local and regional problems.
4. Simultaneously, across the Caribbean, bring together diverse communities of multi-sector, multidisciplinary, stakeholders and service agents as a microcosm of an open data ecosystem.
5. Trigger some stakeholders to consider, and others to embrace, data openness as a central operating principle.
III. SUMMARY

A multi-country event, comprising an Open Data Conference and Code Sprint, was conducted by teams led by Kim Mallalieu of UWI’s CIRP(TT) in Trinidad and Tobago; Matthew McNaughton of UWI’s Mona School of Business in Jamaica; and Yacine Khelladi of Fundacion Taigüey in the Dominican Republic. Code Sprint participants from Cuba were accommodated on site in Jamaica. The local events were held over the 2-day period, 26 – 27 January 2012.

Trinidad and Tobago focused on ICT access, small scale fisheries and agriculture. The Jamaican event focused on the areas of agriculture, trade and economic indicators, and tourism. The Dominican Republic event did not specify thematic focal points within a broad developmental scope.

The Trinidad and Tobago event was hosted by the Faculty of Engineering on the St. Augustine Campus of The University of the West Indies. It began with an all-day conference pitched at data gatherers, producers, processors and publishers; policy makers; regulators; executing agencies; academics; development-focused communities of practice and service providers. It was attended by over 100 participants from public, private, academic and civil sectors, across a rich variety of disciplines and thematic focii.

Code Sprint presentations were the focus of Day 2’s proceedings. This session was pitched at a young audience and was very well attended with well over 100 participants, predominantly from local high schools and the UWI. Code sprinters were given 24 hours to code following their attendance at the opening session on Day 1 which established the background and motivation for the code sprint and summarized the terms of reference, key tools and datasets to be used.

Code sprint applications were assessed by an expert panel of judges on the basis of launch-ability (0-10), open data usage (0-15), originality and problem solving (0-20), features and usefulness (0-15), user experience/ user interface (0-10), long term potential (0-20) and presentations (0-10). Judges deliberated during the closing keynote address.

To close the session on Day 2, the top 3 teams of the 15 registered in Trinidad and Tobago were awarded first, second and third place trophies and prize monies of US$2000.00, US$1,000.00
and US$500.00 respectively. UWI St. Augustine's Campus IT Services came up the winners with "Fish Network". Digital Business took second place with "Fisherman's Friend", an at-sea emergency directory. A team of undergraduate students from the Department of Computing and Information Technology at The University of the West Indies came third with "Crop Out" an agriculture analytics application. Teams expressed a general interest in further developing their applications and, in the case of Digital Business, taking the application “up the islands”.

Simultaneous code sprints in Jamaica and the Dominican Republic were also judged in their local settings on the afternoon of 27 January 2012. The top three winning teams from each of the three participating countries proceeded to a regional competition based on the applications built during the local events. Regional judging, completed a week later, ranked the submissions as follows:

1. First Place: UWI St. Augustine's Campus IT Services with "Fish Network "
   http://developingcaribbean.org/2012/02/fish-gear-analyser/, a Web and mobile application which combines a fishing gear analyzer and a fish analyzer to provide key inputs into national marine resource management and guidance to small scale fisher folk on opportunities for improving operational efficiency. The Fish Network is also an important resource for visitors from abroad who wish to fish locally or to adhere to local marine resource management guidelines.

2. Second Place: Dominican Republic’s Team Beceritos with Crecerd
   http://developingcaribbean.org/2012/01/crecerd/, a web application which provides updated information and historical statistics on high growth areas to guide entrepreneurial investment;

3. Third Place: Dominican Republic’s Team Uapianos with Monitor ODM
   http://developingcaribbean.org/2012/01/monitor-odm/, a Web application which provides information about the objectives of the Millennium Development Goals, MDGs, and the achievement gap.

The prize for the first place regional winners includes all-expenses paid visits to Sunlight Foundation, a non-profit, nonpartisan organization that “uses the power of the Internet to
catalyze greater government openness and transparency, and provides new tools and resources for media and citizens”. RIM has also committed to providing prizes to the regional winners. The regional competition was judged by a panel comprising one representative from each participating site and a representative from the IDRC.

IV. METHODOLOGY

In preparation for the event, country coordinators engaged a range of local stakeholders over a period of several months. In Trinidad, these included but were not limited to:

1. DATA GATHERERS/ PUBLISHERS

Consultations were held with the following institutions which gather and/ or publish local data:

- The Institute of Marine Affairs
- The Fisheries Division of the Ministry of Food Production, Land and Marine Affairs
- The National Agricultural Marketing and Development Corporation
- Telecommunications Authority of Trinidad and Tobago
- Central Statistical Office
- The Department of Geomatics Engineering and Land Management
- The Trinidad and Tobago Coast Guard
- Caribbean Fisheries Training and Development Institute
- Seafood Industries Development Company
- Distance Learning Secretariat of the Ministry of Science, Technology and Tertiary Education.

All of these institutions provided data in open format to be used for the Caribbean Open Data Conference and Code Sprint.
2. **PROBLEM SPACE CONTRIBUTORS**
Consultations were held with data contributors as well as several other agents in the academic and civil sectors to articulate development-focused problems whose solutions would draw on the local open data in hand. The problem specifications and related resources were posted at [http://caribbeanopendata.ideascale.com/](http://caribbeanopendata.ideascale.com/), an ideation platform that facilitated comments and votes from the general public.

3. **EXPERT AND INSTITUTIONAL SPEAKERS**
Conference speakers were selected, on their experience and institutional associations, to facilitate a broad yet rich account of expert opinion, perspectives and analysis as the basis for contemplating the open data proposition. These speakers were:

- Pro-Vice-Chancellor Prof. Clement Sankat, Principal, UWI St. Augustine
- Mr. Trevor Deane, Executive Vice President, Strategic Analytics, TSTT
- Ms Bernadette Lewis, Secretary General, Caribbean Telecommunications Union
- Dr. Tariq Khokhar, Open Data Evangelist, World Bank Group (by remote real time link)
- Dr. Kim Mallalieu, Principal Investigator, Caribbean ICT Research Programme (Trinidad and Tobago), UWI
- Mr. Craig Ramlal, MASc Student & RA, UWI
- Mr. André Hess, Partner, JUNAR
- Mr. Junior McIntyre, Manager, Management information Services, Ministry of Local Government
- Dr. Bheshem Ramlal, Head, Department of Geomatics Engineering and Land Management, UWI
- Mr. Rabindra Jaggernauth, CEO, iGovTT
- Mr. Rishi Maharaj, Senior Freedom of Information Officer, Ministry of Foreign Affairs & Communications
- Mr. Dave Clement, Director of Statistics, Central Statistical Office
- Dr. Philomen Harrison, Project Director, Regional Statistics, CARICOM
- Mr. Selby Wilson, Chair, Telecommunications Authority of Trinidad and Tobago
- Mr. Bevil Wooding, Chief Knowledge Officer, Congress WBN
- Mr. Akash Pooransingh, Lecturer, Department of Electrical and Computer Engineering, UWI
- Mr. Jwala Rambaran, Chairman, NIHERST on behalf of Senator, the Honorable Fazal Karim, Minister of Science, Technology and Tertiary Education.

The impressive selection of presenters deeply impacted and engaged audience members in meaningful discussion on related topics.

4. **CODE SPRINTERS AND SOLUTIONS**

Of the 15 teams that registered for the Code Sprint, the following 12 teams submitted applications, as indicated, by the deadline:

1. Team CITS: *Fish Network (Fish Gear Analyzer)*
2. Digital 1: *At-Sea Buddy System*
3. Team Int: *Crop-Out*
4. Team USC Coders: *Farm Assistant*
5. Undefined Variables: *At-Sea Emergency Directory*
6. Internet Intelligence: *Sailor’s Safety and Emergency Application System (SSEA)*
7. Undeclared Variables: *Under-served Community Internet Access Baskets for BWA Licensees*
8. Team Sabre: *Crop Performance Analyser*
9. Beta Labs: *At-Sea Response Tool*
10. Dreamers of the Day: *Pest and Virus Monitoring System*
11. Team Silver Bullet: *Monitor for Marine Resource Management*

5. **CODE SPRINT JUDGES**

Code Sprint judges were selected on the basis of their skill and thematic expertise, as follows:

- Mr. Cris Seecharan, Executive Director of the Telecommunication Authority of Trinidad and Tobago;
Elizabeth Mohammed and Lara Fereira of the Fisheries Division in the Ministry of Food Production, Land and Marine Affairs;

Dr. Devon Gardner, Dean of Science and Technology at the University of Southern Caribbean;

Dr. Permanand Mohan, Department of Computing and Information Technology, UWI;

Cathy-Ann Radix, Department of Electrical and Computer Engineering, UWI.

6. SPONSORS

The overall preparation and execution of this multi-country initiative was primarily facilitated by the vision and direct support of the International Development Research Centre, IDRC. Additional regional sponsorship was received from JUNAR prior to, and during the local events; GitHub for the local events; and RIM and the Sunlight Foundation following the local events.

The substantial demands on logistics, catering, prize awards, human resources, competition wear, promotions and facilities on the ground in Trinidad and Tobago was possible only through the generous contributions of the following local sponsors:

- Platinum sponsorship: Blink Broadband
- International speaker sponsorship (NASA): NIHERST
- Gold sponsorship: Teleios Systems Limited
- Silver sponsorship: Linx and Ericsson
- Bronze (Team) sponsorship:
  - The Association of Professional Engineers of Trinidad and Tobago;
  - BrightPath Foundation;
  - College of Business and Computer Science;
  - Digital Business;
  - The Institution of Electrical and Electronic Engineers (T&T Section);
  - The Trinidad and Tobago Computer Society
  - TTNIC (the .tt ccTLD Administration)
V. OUTPUTS

The combined Caribbean Open Data Conference and Code Sprint event has produced a variety of outputs. These are primarily accessible through the website: http://developingcaribbean.org/. General information about the event is available at http://developingcaribbean.org/what-2/; while information for coders is available at http://developingcaribbean.org/developers/.

The key resources specific to Trinidad and Tobago are:

1. TT ideation submissions:
   a. ICT Access:
      http://caribbeanopendata.ideascale.com/a/ideafactory.do?id=16663&mode=top&discussionFilter=byids&discussionID=19690
   b. Small Scale Fisheries:
   c. Agriculture:

2. A rich repository of publicly-accessible Trinidad & Tobago open data, hosted on JUNAR. The dashboard, which features sample data sets relating to telecommunications/ICT access; agriculture, fisheries, employment and labour and population, is available at: http://bit.ly/yZrPtp.

3. Screen casts, each up to 5 minutes, from Trinidad and Tobago code sprint teams at: http://developingcaribbean.org/category/apps-2012/trinidad-and-tobago/

4. Open source code developed by the Trinidad and Tobago code sprint teams at: http://developingcaribbean.org/category/apps-2012/trinidad-and-tobago/ (linked from each entry)

5. Agenda, linked to speaker presentations at: http://developingcaribbean.org/trinidad-tobago-2012/trinidad-tobago-agenda/


8. Video segments of interviews with selected stakeholders and experts at:
9. Speeches and recorded live streamed segments at:
   http://developingcaribbean.org/speeches/
10. Other resources specific to Trinidad and Tobago are available through:

VI. OUTCOMES

Though too soon to evaluate outcomes, unsolicited feedback suggests that the event is likely to stimulate changes in behaviours, attitudes, practices and policies. There have certainly been indications that meaningful strides have already been made in the sensitization of local data publishers to the value and power of opening their data; and the sensitization of participating future leaders to the exciting opportunities in data-centric, development-focused application development. New relationships have formed, parallel initiatives have been shared and approaches made to introduce open data into conference proceedings and key agency operations. These were, indeed, the objectives of the Caribbean Open Data Conference and Code Sprint.

Notable unsolicited feedback includes, but is not limited to:

1. The .tt ccTLD administrator has offered the domain data.tt and local storage to host Trinidad and Tobago open data;
2. A team of local volunteer collaborators has pledged commitment to developing local facilities to host Trinidad and Tobago open data;
3. The Caribbean Open Data Code Sprint sparked the keen interest of a team from the World Bank’s InfoDev who have met with a number of the coders in the context of an exploratory mission to assess the scope for a mobile innovation and entrepreneurship component of a multi-year Entrepreneurship Program for Innovation in the Caribbean (EPIC);
4. The representative from IICA (Inter-American Institute for Cooperation on Agriculture) has undertaken to explore the possibilities for making its agriculture data open;
5. The Director of the Central Statistical Office has expressed keen interest in getting assistance to make CSO’s 2011 Census data available to the public through an open platform;
6. The representative from Blink Broadband has indicated that he will explore the possibilities for offering a follow-on activity which may include the assessment of ICT applications after some period, say 9 months hence;

7. Several code sprint teams, who enthusiastically took on the challenge to produce data-centric, development-focused ICT applications, indicated that they recognize that national and regional social and economic development is an important focus for their attention;

8. The Project Director, Regional Statistics, CARICOM has indicated her keen interest in including a presentation on open data during the period of the Standing Committee of Caribbean Statisticians (SCCS) and/or the statistical research seminar later this year.

9. Very many shared their appreciation, unsolicited, for the opportunity to participate and several indicated that they had no prior knowledge of the power of open data.

10. Teleios Systems Limited is considering focusing their next annual Code Jam on open data applications.

11. Unsolicited written feedback includes, but is not limited to:

   (i) “Thanks to you for your amazing work organizing such an incredible event. I am truly amazed by the organization (particularly in TT) and involvement around the open data movement. I’m sure it was a huge step for the Caribbean towards more transparent governments and organizations and results will show soon. It was a pleasure for Junar to have been part of it and I will love to continue collaborating.” Mr. Andre Hess, Partner, JUNAR

   (ii) “The day was well spent … I am anxiously looking forward to the code sprint. I will ask some students to attend.” Dr. David Dolly, Board member, NAMDEVCO

   (iii) “It was time well spent … Thank you for having the foresight to pioneer such an initiative.” Dr. Innette Cambridge, Lecturer, Social Work, Behavioural Sciences, UWI

   (iv) “I am writing on behalf of the Caribbean Telecommunications Union to congratulate your team. I understand that the Caribbean Open Data Conference was indeed a success. The CTU would like to feature the Caribbean Open Data Conference in the next edition of its newsletter which is due on the 29th February… I urge you to use this platform to promote the great work which is being done in the region.” Ms Emily Fitzpatrick, Research and Operations Assistant, Caribbean Telecommunications Union
(v) “Thanks again for a very well organised meeting and for your pioneering role in making data more open.” Sylvan Roberts, Coordinator, Statistics Unit, UNECLAC Subregional Headquarters for the Caribbean

(vi) “Kudos to everyone. You will have to run another competition next year to build on the success of this first attempt. Keep it up.” Ms. Joycelyn Lee Young, Registrar of NIHERST

(vii) “On behalf of us at the Distance Learning Secretariat we say Congratulations to you and your team for organising such an excellently executed and very informative event. We do appreciate the opportunity provided to be a part of it.” Gerard Ahee, Project Officer, Distance Learning Secretariat, Ministry of Science, Technology and Tertiary Education

(viii) “Thank you for the invitation to the Open Data Code Sprint and Conference. Well done! Regarding the Code Sprint … I would like to register one for next year.” Winston Ammon, CEO Winston’s Electrical and Data Services

(ix) “It has been a very long time since I have participated in a forum that attracted my full interest and attention as this forum did. Every single presentation, intervention and comment was extremely interesting and informative … Undoubtedly, this forum was extremely rewarding in so many ways … Let us hope that the outputs can be summarised and shared with some of our leaders who may still need to accept the fact that we are living in a new era where more information and data are needed but also where more sharing of this is indispensable.” Sylvan Roberts, Coordinator, Statistics Unit, UNECLAC Subregional Headquarters for the Caribbean

VII. ACKNOWLEDGEMENTS

The visioning, planning, execution and success of the Caribbean Open Data Conference and Code Sprint, conducted simultaneously in 3 physical sites across the Caribbean, could only be possible through the sustained commitment of parties too numerous to mention. Sincerest thanks are due to all who contributed, most particularly to the Government of Canada through the International Development Research Centre, IDRC, for its vision for development-focused open data; its steady support of the local coordinators (the Caribbean ICT Research Programme); and its central sponsorship of the regional Caribbean Open Data Conference and Code
**Sprint.** Special thanks to Fernando Perini, Senior Programme Officer at the IDRC, for ongoing devotion to IDRC’s support of Caribbean research and innovation. Special thanks are due to our local sponsors, most particularly Blink Broadband who came on as our highly valued platinum sponsor.

**VIII. APPENDIX CODE SPRINT TERMS AND CONDITIONS AS CONVEYED TO PARTICIPANTS**

**Standards and Agreements**

1. The Caribbean seeks to develop property on the contributions of participants in terms of application, code, content, design, or any other material that has been submitted.

2. Participants will retain the copyright and accept the free availability on-line license application under AGPLv3 [http://www.gnu.org/licenses/agpl.html] in accordance with the spirit of Open Source event. All application components must be licensed or equal to the support of the application.

3. The participant agrees their submissions will not contain: computer viruses, worms, spyware or any other malicious software, designed to be deceptive, or to restrict or damage the functionality of a computer and/or access to personal information of users of the application.

4. In addition, participants agree and guarantee that they will not share false, inaccurate or misleading information that infringes third party copyrighted, patented, trademarked, trade secret or other proprietary rights or rights of publicity or privacy to violate any law, statute, ordinance or regulation of the country. This includes any material that can reasonably be considered defamatory, libellous, hateful, racially or morally offensive, threatening, and unlawful or harasses any person, firm or corporation.

5. The organization reserves the right to reject contributions from participants for any reason that the DevCa team deems appropriate.

6. The DevCa team will not be responsible for projects that fail to be delivered the product of technical problems, miscommunications, loss or delay.
7. Participants may withdraw at any time by written notice to the DevCa Team, teams withdrawal documentation must be signed by all members. The withdrawal of the competition excludes any prizes.

8. All applications designed must be aimed at the common good. If the application is deemed by the DevCa team to promote violence or discrimination of any kind then the applications will be automatically disqualified.

9. The DevCa Team can make changes and modifications to the rules of this event. It is the responsibility of the participants to stay informed.

10. Non-compliance with these Terms, Conditions and Agreements will result in disqualification from the event. The DevCa team shall have no liability to the participant to be eliminated for this reason.

**Important note about Copyright**

The participant’s entire entry must include material (including source code – both open source and third party sourced, user interface, music, video or images) that the participant’s own or the participant has permission from the copyright/trademark owner to use. The participant’s entry may not include copyrighted materials (such as source code, user interface, background music, images or video) unless the participant owns or has permission to use the materials.

If the participant does use permissible copyrighted materials, he/she must include the permissions information by citing the artist/creator and license information as per the respective Competition Rules. Note that even material released under sites such as Creative Commons, common open source code licenses, and other similar licensing may need permission or acknowledgement as per the specific license. Note: The participant team’s entry will be disqualified if permissions information is not included as per the requirements in the specific Competition Rules.

The DevCa team reserves the right to disqualify or reject any entry that we, in our sole and absolute discretion, determine does not meet the above criteria. If, in any Competition, we do not receive a sufficient number of entries meeting the entry requirements, we may, at our discretion,
select fewer than the designated number of winners. The decisions of the DevCa Team are final and binding in all matters related to the Competition.

Prizes

Developing the Caribbean (DevCa) is a national and regional event. Therefore participants will have the opportunity to compete at both levels. The winning three applications in each country (gold, silver and bronze), decided by the national judges will qualify to continue at regional level, where the regional jury will select the best applications over the entire regional event.

Each country has its own set of judges. National judges may have representatives from the combination of:

- National Government
- Technological World
- Academia

The national judges will choose the top three applications in each country. National prizes are awarded on site, details on national prizes can be found at the “Developing the Caribbean FAQ” page please see (http://developingcaribbean.org/faq-2/) where specific country prizes are noted.

The regional jury will be composed of one national judge from each country and 3 additional member’s worldwide. Apart from receiving national awards, the top three applications at the regional level will earn awesome prizes and would also have the opportunity to be in the media both nationally and regionally. Judges in each country will be on site, 27th Friday to assess presentations of the teams and to choose the winning three applications.

Apart from having received national awards, the top three applications at the regional level will earn some awesome prizes and the opportunity to further develop your application with monetary support for it. They also have the opportunity to be in the media nationally and regionally, and application will be published in various open data platforms.

Common Terms used in rules

These are the Official Rules that govern how the Developing the Caribbean (DevCa) Code Sprint 2012 Competition will operate (the “competition”, the “code sprint”, the “event”). In these rules, “we”, “DevCa Team”, “our,” and “us” refer to the Developing the Caribbean Team, its sponsors
and affiliates. “Participant”, “Individual”, “he/she”, “Team” and “Competitor” refers to an eligible entrant(s).

Rules for the Developing the Caribbean (DevCa) Code Sprint 2012 event

As a requirement of eligibility for the Developing the Caribbean Code Sprint 2012 competition, the participant must read carefully, understand and agree to the terms, conditions and agreements listed here. If the participant does not understand section(s) of this document it is his/her duty to query the DevCa team on aforementioned section.

1. An individual or team who has registered for the code sprint event, has paid the allotted fees to specified person(s) and has received an e-ticket is allowed to participate in the event.

2. The event is open to any individual residing within a Caribbean country and must choose a country in which to develop, unless or otherwise stated by the DevCa team. The individual shall also cooperate with local laws and competition laws where each event takes place.

3. The DevCa team provides a variety of resources including communication forums, documentation, and download areas, videos, blogs and data; it is the participants duty to review all material stated here.

4. At admission to the event, each participant must fill out a declaration form; releasing his/her video or images to media. This declaration form also relinquishes the DevCa team the responsibility for any loss, damage or theft of equipment or material from the participants.

5. The application code must be available on the “Developing the Caribbean” account on GitHub, to which the DevCa team will access.
Report on Dominican Republic Segment of
The Caribbean Open Data Conference & Code Sprint

DEVELOPING THE CARIBBEAN

THREE Countries. ONE Amazing Event.

http://developingcaribbean.org/
by Yacine Khelladi
23 February 2012
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I. MOTIVATION

This initiative was motivated by the confluence of broad and sustained Caribbean stakeholder agreements that, inter alia:

1. National and regional development are inhibited by the paucity of accessible data on which to build evidence-based policy and programming interventions;
2. ICTs have a critical role to play in many dimensions of national and regional development, as enshrined in national strategies across the Caribbean;
3. The building of national and regional innovative capacities is a crucial enabler for bootstrapping social and economic development;
4. The Caribbean needs to activate effective intra-regional collaboration.

II. OBJECTIVES

The broad objectives of the Caribbean Open Data Conference and Code Sprint were to:

1. Sensitize various publics to the growing global open data movement as well as the issues, opportunities and potential gains for open data in the Caribbean. Key communities targeted were data gatherers, producers, processors and publishers; policy makers; regulators; executing agencies; academics; development-focused communities of practice and service providers.
2. Present ICT students, innovators and entrepreneurs with the proposition of data-centric, development-focused applications as a viable and meaningful target of their attention.
3. Demonstrate the application of data-centric, development-focused ICT solutions to contemporary local and regional problems.
4. Simultaneously, across the Caribbean, bring together diverse communities of multi-sector, multidisciplinary, stakeholders and service agents as a microcosm of an open data ecosystem.
5. Trigger some stakeholders to consider, and others to embrace, data openness as a central operating principle.
III. SUMMARY

A multi-country event, comprising an Open Data Conference and Code Sprint, was conducted by teams led by Kim Mallalie of UWI’s CIRP(TT) in Trinidad and Tobago; Matthew McNaughton of UWI’s Mona School of Business in Jamaica; and Yacine Khelladi of Fundación Taigüey in the Dominican Republic. Code Sprint participants from Cuba were accommodated on site in Jamaica. The local events were held over the 2-day period, 26 – 27 January 2012.

After assessing the available data sets from at the National Statics Office, plus other online (in excels) Central Bank and looking at the national priorities recently approved by the National Congress in the National Development Strategy law, the Dominican Republic partners agreed to focus the code sprint on apps development in the areas of jobs/employment, health, housing and the other indicators related to the Millennium Development Goals. Trinidad and Tobago focused on ICT access, small scale fisheries and agriculture. The Jamaican event focused on the areas of agriculture, trade and economic indicators, and tourism. The data sets were processed prior to the event by Junar.com to become online open data accessible through their API, and well organized in easy to use dashboards.

The Dominican Republic event was hosted by the Institute of Technology of Las Americas¹. It began with an half day seminar pitched at public officers, data gatherers, producers, processors and publishers; policy makers; regulators; executing agencies; academics; development-focused communities of practice and service providers. It was attended by over 80 participants from public, private, academic and civil sectors. The National Statics Office was chairing the seminar with the National Information Society Commission.

Code sprinters were given 24 hours to code following their attendance at the opening session on Day 1 which established the background and motivation for the code sprint and summarized the terms of reference, key tools and datasets to be used. Their resulting apps presentations was the focus of Day 2’s afternoon. This session was pitched at a young audience and was very well attended with well over 50 participants, predominantly from local technological institute and fellow coders.

¹ www.itla.edu.do
Code sprint applications were assessed by an expert panel of judges on the basis of launch-ability (0-10), open data usage (0-15), originality and problem solving (0-20), features and usefulness (0-15), user experience/ user interface (0-10), long term potential (0-20) and presentations (0-10).

To close the session on Day 2, the top 3 teams of the 12 that presented in Dominican Republic were awarded first, second and third place trophies and prize monies of US$2000.00, US$1,500.00 and US$500.00 respectively.

The winning app is the "Millennium Development Goals Monitor" (Monitor de los Objetivos de Desarrollo del Milenio) from the upaniaos teams of the Universidad Abierta Para Adultos (UAPA); the second is the Health Services Localization app. (Localizador de Centros de Salud), of the Los Chaminsqui team of the Instituto Tecnológico de Las Américas (ITLA) and the third is Crecerd by the Los Becerritos team of the Pontificia Universidad Católica Madre y Maestra (PUCMM)- University.

Simultaneous code sprints in Jamaica and the Dominican Republic were also judged in their local settings on the afternoon of 27 January 2012. The top three winning teams from each of the three participating countries proceeded to a regional competition based on the applications built during the local events. Regional judging, completed a week later, ranked the submissions as follows:

1. First Place: UWI St. Augustine's Campus IT Services with "Fish Network "
   http://developingcaribbean.org/2012/02/fish-gear-analyser/, a Web and mobile application which combines a fishing gear analyzer and a fish analyzer to provide key inputs into national marine resource management and guidance to small scale fisher folk on opportunities for improving operational efficiency. The Fish Network is also an important resource for visitors from abroad who wish to fish locally or to adhere to local marine resource management guidelines.

2. Second Place: Dominican Republic’s Team Beceritos with Crecerd
   http://developingcaribbean.org/2012/01/crecerd/, a web application which provides updated information and historical statistics on high growth areas to guide entrepreneurial investment;
3. Third Place: Dominican Republic’s Team Uapianos with Monitor ODM (milleniumin development goals) [http://developingcaribbean.org/2012/01/monitor-odm/](http://developingcaribbean.org/2012/01/monitor-odm/), a Web application which provides visualization and tools to cross variables related the objectives of the Millennium Development Goals, MDGs, and the achievement gap.

The prize for the first place regional winners includes all-expenses paid visits to Sunlight Foundation camp, a non-profit, nonpartisan organization that “uses the power of the Internet to catalyze greater government openness and transparency, and provides new tools and resources for media and citizens”. RIM has also committed to providing prizes to the regional winners. The regional competition was judged by a panel comprising one representative from each participating site and a representative from the IDRC.

**IV. METHODOLOGY**

In preparation for the event, country coordinators engaged a range of local stakeholders over a period of several months. In Trinidad, these included but were not limited to:

**1. DATA GATHERERS/ PUBLISHERS**

Consultations were held with the following institutions which gather and/ or publish or process local data:

- National Statistic Office, which heads the national statistical system that incorporates some 70 public and private organizations (data producers and processors)
- The National Information Society Commission, an intergovernmental body that incorporates the main public and private ICT stakeholders and is in charge of coordination national ICT/IS policies
- The Institute of Technology of Las Americas, the country's main technology training tertiary institution, based a private-public partnership, and located in the Cyber park of Santo Domingo

The ONE and the Central Bank were the sources of the data sets that were transformed by JUNAR.com to an open format to be used for the Caribbean Open Data Conference and Code Sprint.
2. EXPERT AND INSTITUTIONAL SPEAKERS

Seminar speakers were selected, on their experience and institutional associations, to facilitate a broad yet rich account of expert opinion, perspectives and analysis as the basis for contemplating the open data proposition. These speakers were:

- Presentación del Dr. Tariq Khokhar (Banco Mundial) “Datos Abiertos: la Nueva Revolución”, Presentación del Dr. Tariq Khokhar, especialista OpenData del Banco Mundial (vídeo conferencia desde Washington)
- Video presentación de Dr Fernando Perrini, del Centro Internacional de Investigación para el Desarrollo (CIID-IDRC) de Canadá
- Presentación del proyecto regional “desarrollando el Caribe” y Lanzamiento del concurso desarrollo de aplicaciones y visualizaciones con Datos abiertos, por Yacine Khelladi de la Fundación Taigüey
- Charla de Carlos de la Fuente (Fundación CTIC - España) Charla "Open Governement Data, retos y oportunidades" Carlos de la Fuente es Director de Área de Servicios Tecnológicos y responsable Open Data, Fundación CTIC, España
- Presentación de Elisa Calza (CEPAL) El proyecto regional “Datos Abiertos para Políticas Públicas”
- Presentación de la Ingeniera Trilce Encarnación (ONE) "Iniciativas Open Data en la Oficina Nacional de Estadística"
- Presentación de Diego May Director Ejecutivo de la empresa JUNAR (California, EEUU)
- Presentación de Anca Matioc (Fundación Ciudadano Inteligente - Chile) la Coordinadora Regional del evento "Desarrollando América Latina" de la Fundación Ciudadano Inteligente

The impressive selection of presenters deeply impacted and engaged audience members in meaningful discussion on related topics.
3. CODE SPRINTERS AND SCOLUTIONS

Of the 12 teams that participated on the Code Sprint, the following 10 teams submitted applications, as indicated, by the deadline:

**LCS (Localizador de Centros de Salud)**
http://developingcaribbean.org/2012/02/lcs-localizador-de-centros-de-salud-3/  
Team: Los Chaminsquis

**EGO**
http://developingcaribbean.org/2012/01/ego/  
Team: Anonymous

**JJGG Dominican Data Sharing**
http://developingcaribbean.org/2012/01/jjgg-dominican-data-sharing-2/  
Team: Los Gavileros

**Oblivion**
http://developingcaribbean.org/2012/01/oblivion/  
Team: Oblivion

**OpenData Development Viewer**
http://developingcaribbean.org/2012/01/opendata-development-viewer/  
Team: DreamTeam

**MIRATUPAIS**
http://developingcaribbean.org/2012/01/miratupais/  
Team: Becerritos2  
Team Sponsors: PUCMM

**GeoMarkers**
http://developingcaribbean.org/2012/01/geomarkers/
Team : R&D

*Crecerd*

http://developingcaribbean.org/2012/01/crecerd/

Team : Becerritos

Team Sponsors: PUCMM

*Networktopia*

http://developingcaribbean.org/2012/01/networktopia/

Team : indomitus

*Monitor ODM*

http://developingcaribbean.org/2012/01/monitor-odm/

Team : Uapianos

4. **CODE SPRINT JUDGES**

Code Sprint judges for the Dominican Republic were selected on the basis of their skill and thematic expertise, as well as the absence of conflict of interest, and were:

- Ms. Amparo Arango, Executive Director of National Information Society Commission
- Ms. Jafmary Feliz, of the research department of the National Statistic Office
- Ms. Elisa Calza of the UN-ECLAC and coordinator of the regional project "Opendata for Public Policies"
- Mr Javier Pajaro of the company JUNAR.com

The code sprinter presentations and the Jury were coordinated by Ms Anca Matioc representative of the Fundacion Cuidadano Inteligente (Chile).
5. SPONSORS

The overall preparation and execution of this multi-country initiative was primarily facilitated by the vision and direct support of the International Development Research Centre, IDRC. Additional regional sponsorship was received from Fundacion Cuidadano Inteligente and JUNAR prior to, and during the local events; GitHub for the local events; and RIM and the Sunlight Foundation following the regional event.

6. LINKS AND PRESENTATIONS


- All presentation are linked in the page [http://developingcaribbean.org/republica-dominicana/](http://developingcaribbean.org/republica-dominicana/)

- All apps and the presentations are linked from the page: [http://developingcaribbean.org/category/apps-2012/republica-dominicana/](http://developingcaribbean.org/category/apps-2012/republica-dominicana/)

- Pictures of the event (including price giving ceremony) [http://www.flickr.com/photos/yacinek/sets/72157629193101443/](http://www.flickr.com/photos/yacinek/sets/72157629193101443/)


- Videos of the prizes announcements [http://www.youtube.com/watch?v=SudNKBfMi8Y](http://www.youtube.com/watch?v=SudNKBfMi8Y)

- Interviews of the code printers
  - [http://www.youtube.com/watch?v=SVE4CcujzD1](http://www.youtube.com/watch?v=SVE4CcujzD1)
  - [http://www.youtube.com/watch?v=sizrR3t-Fjk](http://www.youtube.com/watch?v=sizrR3t-Fjk)
  - [http://www.youtube.com/watch?v=NHDygAkwfzw](http://www.youtube.com/watch?v=NHDygAkwfzw)
  - [http://www.youtube.com/watch?v=HzTaLZHUnP](http://www.youtube.com/watch?v=HzTaLZHUnP)