Open Data Sector Studies - Strategic Initiatives

TITLE	**Open Data and Interactive Community Mapping: Empowering Local Community Tourism**								
SECTOR RELEVANCE	Agriculture		Tourism	X	Education		Fisheries/MPAs		National Statistics	

DESCRIPTION
As the global tourism landscape evolves, there is an emerging market for an alternative tourism product that is heritage-, cultural- or nature-based and thrives on visitor-community interaction, exploration and exchange. This so-called community-based tourism creates opportunities for empowering local communities as sustainable businesses, by developing, marketing and exposing their natural culture, talents, passion and potential to the world and is a key component of Jamaica's sustainable tourism future.
This project will combine official government open data with crowdsourced interactive map data and indigenous content produced in local communities to enhance the visibility and inclusiveness of community tourism. The goal is ultimately to help community members working in collaboration with government agencies, civil society organizations (CSOs), and development partners to harness the collective wisdom, knowledge and initiative of these communities to play a greater participatory role as drivers of community development. The specific initiative will target two Pilot communities as Proof of Concepts.

IMPACT CATEGORIES	1. Improving Government	X	2. Empowering Citizens	X	3. Creating Opportunity	X	4. Solving Public Problems	

EXPECTED IMPACT
The expected outputs/outcomes from this initiative include:
- production of media-rich community map artifacts, through the effective engagement, capacity-building & empowerment of local community participants
- establishment of an effective map-based open data platform that provides Innovation opportunities for software developers and other tourism service entrepreneurs
- demonstrate the use of Open Data to augment, scale and increase relevance of interactive community mapping initiatives in a developing context
Over time sustained efforts arising from this initiative are expected to contribute to:
- Enable & empower community tourism initiatives that provide economic lift to the participating communities
- Innovation opportunities for Software developers and other service entrepreneurs
- Enhanced tourism product information and diversity of choices for discriminating visitors with niche interests (e.g. Sports-, Community- or Eco-Tourism)

KEY ENABLERS *significant variables that positively determine impact*	Partnerships	X	Public Infrastructure	X	Policies And Performance Metrics		Problem Definition	X	

Partnerships
Multiple stakeholder partnerships include:
- the two target communities: August Town, a cultural and heritage mecca that falls within the UWI's township environs; and the Rastafarian Indegenous Village in Montego Bay
- The UWI Center for Tourism Policy Research, which has developed and replicated a successful capacity building program in film production for marginalized communities
- The Ministry of Tourism, Tourism Product Development Company (TPDCo) and Jamaica Social Investment Fund (which has responsibility for enabling Jamaica's community tourism product)
- The Mona Social Services responsible for social enterprise initiatives in the UWI's Township project
- Social Development Commission that has developed and accumulated community map assets

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Public Infrastructure	Open Data can augment, scale and increase the relevance, usefulness and re-use of Interactive Community Mapping outputs, especially when combined with official government infrastructure and services data						
Policies And Performance Metrics							
Problem Definition	The Tourism sector in the Caribbean faces some systemic challenges, including the dominance of the sector by large properties. Small operators have an inherent disadvantage due to lack of financial resources, organizational capabilities and visibility. Indirect consequences of this marginalization includes high leakage rates and diminished linkages with other sectors in the domestic economy. Participatory community tourism can help to create a more sustainable tourism sector. Community Based Tourism provides a unique setting for a bottom-up, demand-driven Open Data Initiative, that engages the local actors in the community as major contributors to the production and publishing of crowdsourced open data and indigenous content that could become a catalyst for participatory economic development.						
CORE CHALLENGES *significant variables that adversely affect impact*	Readiness	X	Responsiveness	X	Risks	X	Resource Allocation	X
Readiness	A significant component of the initiative involves stakeholder engagement, awareness and capacity building in the target communities to secure buy-in and "readiness" for the program. The strong participatory aspects will also help to engender and sustain engagement. This initiative has already been discussed with Government Tourism interests and has had a generally good reception, given the alignment with the community tourism policy agenda						
Responsiveness	The initiative seeks to combine supply-side official government open data with crowdsourced open data from the community, which provides a very specific, focussed and targetted use-case of open data						
Risks	The primary risk is the absence or loss of sustained stakeholder engagement in the target communities. Several explicit strategies will be used to mitigate this risk, including working through key partnerships that already have positive relationships and presence in the target communities						
Resource Allocation	Resources allocated to a strong capacity building component will help to drive sustainability of the initiative, beyond the project activities.						
CORE ACTIVITIES	Design & Administer Survey	X	Capacity building (training/workshops)	X	Hackathon	X	Software Development	X

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PRIMARY ACTIVITIES	1.Survey of information needs and tourism product/service opportunities in the target communities 2.On-the-ground engagement with key stakeholders and persons that will participate in the community mapping Pilot 3.Training and technical guidance of community mapping team including: basic GIS concepts, Planning and conducting fieldwork with mobile devices, Editing streets and Points of Interest, Uploading additional attribute content including documents, music, images, audio commentary 4.The team of community mappers will produce a comprehensive map of the community including boundaries and main Points of Interest, attached additional multimedia content including music, commentaries, etc. 5.Build demonstration Apps that use this "open mapped data" as a platform to produce location-based, mobile apps and services for tourists that provide on-demand access to community-based tourism information and support services such as transportation, reservation scheduling, etc. 6.Analysis of the potential economic impact (lift) that such an initiative could provide for economic activity and linkages within the target communities
KEY DATA SOURCES	Official Government Tourism Datasets: - Tourism Assets: Listing of registered properties, attractions; #rooms available per property - Licensed/Regulated Tourism Entities - Transportation service providers Community map data from SDC Crowdsourced Data generated by target communities
KEY STAKEHOLDERS	Key stakeholders include: - the two target communities: August Town, a cultural and heritage mecca that falls within the UWI's township environs; and the Rastafarian Indegenous Village in Montego Bay - The UWI Center for Tourism Policy Research, which has developed and replicated a successful capacity building program in film production for marginalized communities - The Ministry of Tourism, Tourism Product Development Company (TPDCo) - Jamaica Social Investment Fund (JSIF), that is implementing community-based tourism initiatives across the island by the Government, through the REDI project (Rural Economic Development Initiative – Tourism Sector) - The Mona Social Services responsible for social enterprise initiatives in the UWI's Township project - Social Development Commission that has developed and accumulated community map assets
RESOURCE REQUIREMENTS	Component 1: Equipment & Technology Platform Component 2: Community Training / Capacity Building Component 3: Community Mapping Exercise & Multimedia Production Component 4: Research (Scoping, Analysis, Evaluation, Dissemination) Administrative/Support Costs

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SCALABILITY	The initiative emphasizes capacity building within the target communities, and will also create a sustainable open data mapping framework that articulates the technical, human and financial resources and processes required for on-going community tourism mapping initiatives. This will help to assure sustainability within the pilot communities as well as replication into other communities. The skills gained by the community mappers can be applied to other kinds of mapping initiatives for public/private sector clients, thus providing alternative economic opportunities.	
PRIVATE SECTOR ENGAGEMENT	The initiative is designed with the goal of enhancing positive interactions between the community and other service providers within the sector; i.e. transportation, larger hotel chains, tour operators. One goal is for the open data platform will become a catalyst the further development of innovative Apps to support product visibility and improved service delivery for the community tourism sector.	
RELATED INITIATIVES	This initiative has strong linkages with the Capacity Building initiative (CSOD), and will also be aligned with other Government-led initiatives relating to the use of the OpenStreetMaps platform. We will also design for synergy with the program of community-based tourism initiatives that are currently being implemented by JSIF across the island through the REDI project (Rural Economic Development Initiative – Tourism Sector)	
RELEVANT THEORIES OF CHANGE	Intermediaries will play a significant role both as catalysts and enablers	X
	Greater impetus and resonance will derive from increased efficiency / innovation ahead of transparency/accountability	
	Innovation fellowships provide an important mechanism for collaborative government-civil society co-creation in key developmenta	
	The value sustainability of the open data initiatives in the region will rely on a vibrant Caribbean open data ecosystem of acto	
	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	X
	Scale limits and resource deficits will require common resources and shared use i.e. the Caribbean Digital Commons	X
	Active engagement of local actors in the community as major contributors to the production and publishing of open data and indigenous content	
SUPPORTING DOCUMENT		

Open Data Sector Studies - Strategic Initiatives

TITLE	**Towards a Data-Driven Agriculture Sector in Jamaica**								
SECTOR RELEVANCE	Agriculture	X	Tourism		Education		Fisheries/MPAs		National Statistics

DESCRIPTION

Over the last two years, the Rural Agricultural Development Authority, the SlashRoots Foundation and the Mona School Of Business & Management have collaborated to explore how open data principles could be applied to the most pressing challenges in Jamaican Agriculture sector. Central to this work has been need to overcome structural constraints in resource availability and scale necessary to catalyzing a more data-driven agricultural sector in Jamaica.

This strategic initiatives seeks to apply emergent best practice on government digital services and an evolving theory of change for how data collaborations facilitated by shared open infrastructure can enable access to and the creation of high quality agricultural data assets and information services. The outcomes of the initiative would aid in the closing of existing data gaps, improve the information available to actors throughout the agricultural sector and exploring the implications an increasing digital and connected public service on data privacy and ownership.

IMPACT CATEGORIES	1. Improving Government	X	2. Empowering Citizens		3. Creating Opportunity	X	4. Solving Public Problems	

EXPECTED IMPACT

This initiative will seek to demonstrate the impact potential of emergent best practice around government digital services and infrastructure to overcoming structural challenges in the Jamaican agricultural sector related to data accessibility, quality and data gaps. Primarily, the project will result in the creation of a demonstration digital service built around the farmer registry and crop dictionary. Furthermore, the project will seek to explore and provide guidelines for the Jamaican context on data privacy, data ownership and openness in an increasingly digital environment.

KEY ENABLERS *significant variables that positively determine impact*	Partnerships	X	Public Infrastructure	X	Policies And Performance Metrics	X	Problem Definition	X	

Partnerships	The Rural Agricultural Development Authority (RADA), the custodian of the farmer registry, is a key partner in this initiative. The project team will work alongside RADA to design and implement the demonstration digital service and explore related policy considerations for data access and privacy.
Public Infrastructure	The RADA Farmer Registry is the official record for farmers in Jamaica. It is the key reference resource leveraged by both government and the private sector to verify legitimacy when engaging with the farming community. However, it is currently accessed either through manual request to RADA or for select stakeholders, through the Agriculture Business Information System, a web interface to the RADA registry.

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Policies And Performance Metrics								
Problem Definition	Agriculture continues to be a critically important significant sector in the Jamaican economy. It represents 9% of Gross Domestic Product and employs close to 19% of the Jamaican population. However, while the agriculture value chain is acutely sensitive information availability, limited resources constrain public agencies' ability to collect, maintain and supply the high quality data assets necessary to effective operation the sector. This result is data gaps that inhibit effective service delivery and information asymmetries that disadvantage the most vulnerable sector contributors. This initiative will seek to demonstrate the impact of an agriculture sector data partnership to overcoming these structural challenges in data access and management. Applying emergent best practice around government digital services this initiative will facilitate a shared data commons that lowers the barriers to accessing agricultural data, while sharing the costs of data collection and maintenance across multiple participating agencies and information services.							
CORE CHALLENGES *significant variables that adversely affect impact*	Readiness	X	Responsiveness	X	Risks	X	Resource Allocation	X
Readiness	Key stakeholders within RADA recognize the importance of data and are exploring ways of facilitating the consumption and sharing of data. However, many of the datasets that exist have challenges with accuracy, standardizations, redundancies and sharing restrictions. They see this collaboration as a vehicle to addressing these challenges.							
Responsiveness	The project envisions the proposed digital service as an extension of core government infrastructure. This integration will assist in mitigating issues around data delays.							
Risks	Based on existing relationships with government agencies, the project has moderate risks but has a number of potential delays that could impact the timely delivery of integrated digital service within the sector. Furthermore, data privacy and data ownership remain sensitive topics in the Jamaican Government and social context. Concerns around expanding access could inhibit implementation.							
Resource Allocation	The project will be designed in collaboration with RADA and take into account the organization's resources and capabilities. RADA has expressed a strong design to institutionalize the resultant service and have it managed by their technical team.							
CORE ACTIVITIES	Design & Administer Survey	X	Capacity building (training/workshops)	X	Hackathon	X	Software Development	X
PRIMARY ACTIVITIES	1. Literature review to survey existing best practices and approaches around digital services, data ownership, data privacy and open data. 2. Participatory design research and system design with the RADA Technical team to create the digital service and related data guidelines. 3. Design & Development of the digital service. 4. Stakeholder engagement and outreach with key actors and decision makers to review and discuss the outcomes of the project.							
KEY DATA SOURCES	The key resource for this project is the RADA Agricultural Business Information System (ABIS). This includes data on farmer registration, farm properties, production and crop schema information. RADA has already given their approval for access to this information resource.							

Open Data Sector Studies - Strategic Initiatives

KEY STAKEHOLDERS	RADA is the key partner institution for the implementation of this project. Its success will be determined through buy-in from various stakeholders across its organizational structure. This includes both the RADA Technical team and RADA's management. More broadly, the new Government CIO will be an important stakeholder in the latter stages of the project as the project findings and recommendations are drafted around data publication and privacy considerations.
RESOURCE REQUIREMENTS	Project implementation staff will require software engineers, researchers and a communications designer.
SCALABILITY	The underlying concepts of this initiative can be scaled and replicability in a number of ways. The work can be scaled through greater adoption of the demonstration digital service by an increasing number of digital services or service providers. Furthermore, the underlying principles around consumption and contribution to a shared data commons can be applied in other sectoral areas. Lastly, the research and guidelines around data ownership and access can inform the broader digital transformation agenda of the new Government CIO.
PRIVATE SECTOR ENGAGEMENT	
RELATED INITIATIVES	- Ongoing Government of Jamaica ICT Transformation Programme - JAS Market Information Centre - Praedial Larceny Prevention Unit Clip Pilot

RELEVANT THEORIES OF CHANGE		
	Intermediaries will play a significant role both as catalysts and enablers	X
	Greater impetus and resonance will derive from increased efficiency / innovation ahead of transparency/accountability	
	Innovation fellowships provide an important mechanism for collaborative government-civil society co-creation in key developmenta	
	The value sustainability of the open data initiatives in the region will rely on a vibrant Caribbean open data ecosystem of acto	X
	Governments role will require active participation on supply and demand sides of the Caribbean open data ecosystem	X
	Multi-sector approaches will drive the greatest economic returns on open data	
	Scale limits and resource deficits will require common resources and shared use i.e. the Caribbean Digital Commons	X
SUPPORTING DOCUMENT		

Open Data Sector Studies - Strategic Initiatives

TITLE	**Establish the Caribbean School of Data**								
SECTOR RELEVANCE	Agriculture	X	Tourism	X	Education	X	Fisheries/MPAs	X	National Statistics	X

DESCRIPTION

Building sustainable open data infrastructures and enabling the effective use of Open Data in the Caribbean, requires organizations from all sectors (public, private, media, civil society) to invest in staff and community capacity across the whole open data value-chain, including skills for: supplying open data; using open data; and understanding, analyzing, and mobilizing data to create change. Similar and complementary skill-sets are required across the rapidly expanding data ecosystem, including Big data, private data, and crowd-sourced data.

This Strategic initiative will pursue a range of activities including:

1. Adopt/adapt the International School of Data model to establish a distinctive hybrid "Caribbean School of Data", hosted at the Mona School of Business & Management, UWI and affiliate institutions in other countries across the Caribbean (beginning with St. Lucia, Cuba and Guyana)
2. Incorporate a range of Data literacy programs targeting Private Sector enterprise, that includes Data management, data integration and big data analytics offerings
3. Adopt a virtual incubation model to encourage and facilitate Data-driven entrepreneurial startups
4. Develop a sustainable Data Journalism fellowship program and community for Journalists
5. Build a Caribbean data competency map to identify and make searchable & accessible, individual and institutional clusters of skills, knowledge and capabilities in the region
6. Identify opportunities to progressively integrate data competency into the formal educational curriculum of schools, colleges & universities

IMPACT CATEGORIES	1. Improving Government		2. Empowering Citizens	X	3. Creating Opportunity	X	4. Solving Public Problems	X	

EXPECTED 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 by establishing regional institutions that can propagate data literacy programs. Targeting various segments/groups including media, academia, CSOs and other marginalized groups will help to enhance informed decision making, social mobilization and innovation in public service delivery.

KEY ENABLERS *significant variables that positively determine impact*	Partnerships	X	Public Infrastructure	X	Policies And Performance Metrics	X	Problem Definition	X	

Partnerships

The Caribbean School of Data will establish affiliate partnerships with Open Knowledge / International School of Data, and Open Data Institute through their learning node program. Key regional partners will include:
- Caribbean Open Institute
- Mona School of Business & Management, UWI
- Universidad de las Ciencias Informáticas
- University of Guyana
- Panos Caribbean

The initiative will also partner with the World Bank and the Govs of Jamaica & St.Lucia in their capacity building activities following on from the recently completed ODRAs.

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Public Infrastructure	The effectiveness of the Caribbean School of Data will be enhanced by progressive and ongoing efforts by Governments in the Caribbean to publish open data portals. CSOD will consolidate and adopt an open access policy to educational content to make this readily available and accessible online
Policies And Performance Metrics	CSOD will establish performance monitoring and dashboard mechanisms to measure the progressive development and effectiveness of Open Data initiatives and resources across the Caribbean
Problem Definition	The Caribbean region is generally regarded as "data poor," not just because of limited access to high quality, locally relevant data, but also cultural and institutional habits and capacity limitations (both in the public and private sectors) often forego the use of data, and other forms of evidence, for policy and decision making. There is general Civil Society and Media apathy towards demanding access to, and use of open data for more critical investigation and analysis. A comprehensive and sustainable "data literacy" program will seek to develop greater awareness, attitudes, competencies and capacity to build a stronger data culture across the Caribbean.

CORE CHALLENGES *significant variables that adversely affect impact*	Readiness	X	Responsiveness	X	Risks	X	Resource Allocation	X	
Readiness	The open government data portals currently being established by Governments of Jamaica, St.Lucia among others, will help to provide impetus to this initiative. Active efforts around awareness and incentive-building will be required to overcome latent apathy towards open data in media and other segments of civil society.								
Responsiveness	The various sector initiatives being undertaken by the COI will help to increase awareness and evidence of the potential impact of open data, and amplify the relevance and value of this capacity building program								
Risks	The recent experience with Data Journalism training in the Caribbean reinforces the notion that training and skill-building without relevant context (demand / use) can result in less than meaningful outcomes. The CSOD program will be integrated with other ongoing open data initiatives to ensure relevance and sustainable application opportunities.								
Resource Allocation	The CSOD will adopt an integrated business model that augments social enterprise capacity building programs with commercial training and consulting capacity for business enterprise.								

CORE ACTIVITIES	Design & Administer Survey	X	Capacity building (training/workshops)	X	Hackathon	X	Software Development	X	
PRIMARY ACTIVITIES	1. Evaluation of previous data literacy initiatives through participant surveys 2. Adopt "School of Data" business model and fellowship program to develop regional fellows/change agents 3. Conduct series of targetted workshops and data bootkamps 4. Develop portfolio of D/S training programs and delivery through virtual platforms 5. Establish CSOD affiliate model and programs with target institutions 6. Undertake efforts to develop active CSOD communities and common interest groups								

Open Data Sector Studies - Strategic Initiatives		
KEY DATA SOURCES	New Government open data portals in the Caribbean, including: Jamaica, St.Lucia, DomRep, T&T	
KEY STAKEHOLDERS	Formalize International partnerships with "School of Data" and "Open Data Institute" Partnerships with local/regional institutions to establish local country "presence" - University of Guyana, UCI, (in St.Lucia?) Panos Caribbean to facilitate regional media / journalist relationships & community	
RESOURCE REQUIREMENTS	Support participate in the upcoming International School of Data Fellowship program Program/content development supported by international partnerships Regional workshops to propogate the CSOD model and establish country affiliates Develop an effective CSDO web presence and mentorship network	
SCALABILITY	The CSOD will adopt a virtual model and replicate local presence through affiliated entities in Universities, NGOs and schools across the Caribbean	
PRIVATE SECTOR ENGAGEMENT	The CSOD hybrid model will Incorporate a range of Data literacy programs targeting Private Sector enterprise, that includes data management, data integration and big data analytics offerings	
RELATED INITIATIVES	Integrate with, and provide capacity building support for companion COI sector initiatives Interface with the Data Journalism workshops being planned by the World Bank as part of post-ODRA initiatives: - UNDP is offering a media training on investigative journalism from Feb. 29-March 2, 2016 in Jamaica	
RELEVANT THEORIES OF CHANGE	Intermediaries will play a significant role both as catalysts and enablers	X
	Greater impetus and resonance will derive from increased efficiency / innovation ahead of transparency/accountability	
	Innovation fellowships provide an important mechanism for collaborative government-civil society co-creation in key developmenta	
	The value sustainability of the open data initiatives in the region will rely on a vibrant Caribbean open data ecosystem of acto	X
	Governments role will require active participation on supply and demand sides of the Caribbean open data ecosystem	X
	Multi-sector approaches will drive the greatest economic returns on open data	X
	Scale limits and resource deficits will require common resources and shared use i.e. the Caribbean Digital Commons	X
SUPPORTING DOCUMENT		

Open Data Sector Studies - Strategic Initiatives

TITLE	**Visualizing the structure and inkages in the Jamaican economy using Official Statistics (Administrative Data)**								
SECTOR RELEVANCE	Agriculture		Tourism		Education		Fisheries/MPAs	National Statistics	X

DESCRIPTION	The sectors of the economy are all linked together as portions of the output in one sector is consumed in another. The Input-Output (IO) Table analyses the Jamaican economy by showing the value of goods and service that are produced within each sector and how much of that which is produced is consumed locally in production and by consumers and that which is exported. The table also distributes the total import bill to the various sectors of the economy. Other "Supply and Use tables" collected from surveys and administrative sources, such as Labour Force, Education, Census, Housing and Trade collectively reflect the structural dynamics of the Jamaican economy. However much of this statistical information only presented as tabular data in a highly aggregated format, and in some cases and is only produced periodically (eg. the last I/O Table was produced in 2007).
	Making this source data openly accessible and combined with visualization techniques can make this information much more impactful, accessible and with greater utility for business decision-makers and policy makers. This initiative will use these various sources of statistical data to create a visual map representation of the structural dynamics of the Jamaican economy that enhances the visibility and utility of this data and also creates additional re-use opportunities for other innovators through open APIs. This creates opportunities for a deeper examination of Linkages between key sectors (Tourism / Agriculture / Manufacturing).
	The Initiative will also explore the potential of "big data" sources such as anonymized electricity consumption and mobile traffic / location data as a basis for proxy indicators to augment official statistics.

IMPACT CATEGORIES	1. Improving Government	X	2. Empowering Citizens	X	3. Creating Opportunity		4. Solving Public Problems	X

EXPECTED IMPACT	This initiative will seek to increase the accessibility, understandability & re-usability of national statistics through integrated visualizations that present a statistical representation of the national economy, and open APIs that encourage other researchers and innovators to make more effective use of statistical data.
	It is also anticipated that the initiative will encourage greater use of statistical data in business and policy decision-making.

KEY ENABLERS *significant variables that positively determine impact*	Partnerships	X	Public Infrastructure	X	Policies And Performance Metrics	X	Problem Definition	X
Partnerships	STATIN is the key partner in this initiative, both in terms of the sources of data, as well as the interpretation, validation and promotion of the visualization artifacts. We will also seek to engage with the Standing Committee of Caribbean Statisticians as well as the Regional Statistics unit of the CARICOM Secretariat (Dr. Philomen Harrison) to expand the reach of this initiative							
Public Infrastructure	The National Statistics System is a key pillar of the national information infrastructure. By developing an open data platform that integrates these key statistical data sources into a dynamic, visual representation of the Jamaican economy, this initiative will facilitate access to, and encourage greater re-use of national statistics.							

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Policies And Performance Metrics	The effects of Government policies that impact on sector performance, trade, employment, etc. are manifested in data and statistics about the performance of the national economy. By using existing statistical data to create a visual representation of the structural dynamics of the Jamaican economy, this initiative can help to drive the performance metrics that foster greater visibility and accountability of policy impact
Problem Definition	Several important data sources, collected for the purposes of official statistics, could be of value in re-use by businesses, media, analysts and academics. However these data sources are often not readily accessible or comprehensible by non-statisticians. For instance, data used to produce the Input/Output Tables are collected on a regular basis by STATIN but these tables are only produced periodically (~ every 5 years after the economy has been rebased) because of the resource effort required to conduct this activity on a continuous basis. The specific goal to be addressed by this initiative is to enhance the visibility, relevance, re-use and utility of national statistics and related data in data-driven engagement/assessment and policy/decision-making, with a specific focus on the Input-Output Table and other related Administrative data.

CORE CHALLENGES *significant variables that adversely affect impact*	Readiness	X	Responsiveness	X	Risks	X	Resource Allocation	X	

Readiness	The ODRA and related activities currently being carried out by the World Bank and the GOJ, provides a window of opportunity to engage with Government agencies like STATIN that are actively involved in the Open Data conversation. This initiative is designed to address capacity issues on both Supply/Demand side through collaboration/partnerships
Responsiveness	STATIN's active engagement and support is critical to the success of this initiative. The engagement with the various other stakeholders in the public/private sectors and academia will help to facilitate the requisite interest and responsiveness to the initiative.
Risks	As this is based primarily on Administrative data, privacy risk is considered to be moderate, but will still need to be managed.
Resource Allocation	We believe that the aggregate value that will derive from expanding the utility and utilization of official statistics, will significantly outweigh any incremental resources/effort required to open up access to the data. This will also broaden the resource base of "data scientists" that understand and can make use of the underlying data.

CORE ACTIVITIES	Design & Administer Survey	X	Capacity building (training/workshops)	X	Hackathon	X	Software Development	X	

PRIMARY ACTIVITIES	1. Conduct a Survey of key business decision-makers, policy-makers and researchers to determine the current level of access, use and utility of national statistics; 2. Engagement & work with STATIN as the key partner in this initiative to source the data, as well as the design, interpretation, validation and promotion of the visualization artifacts 3. Design & Development of the visualization artifacts and open APIs 4. Engagement Workshops with academia, media and technologists to promote and facilitate use of the open statistical data resource 5. Conduct a Hackathon or Data Bootkamp to encourage derivative products
KEY DATA SOURCES	All data sources that feed into the Input–Output Table (to be identified) Other required data sources include:

Open Data Sector Initiatives - Scope Summary
Visualizing the structure and inkages in the Jamaican economy using National Statistics

Open Data Sector Studies - Strategic Initiatives		
KEY STAKEHOLDERS	STATIN We'll also engage with economists at UWI / SALISES for expertise and potential additional statistical data resources (administrators of the Derek Gordon Databank)	
RESOURCE REQUIREMENTS	Graduate Research Assistant / Economist Business Survey administration Software developers Consultation / Dissemination Workshops	
SCALABILITY	The approach will be adaptable to (and comparable in) other NSO jurisdictions. We hope to introduce the proof of concept to other regional NSOs (perhaps working through engagement with the Regional Statistics unit of the CARICOM Secretariat, at the next Meeting of the Standing Committee of Caribbean Statisticians) and work with at least one other Caribbean NSO to validate the concept.	
PRIVATE SECTOR ENGAGEMENT	A survey will be conducted to assess the extent to which key business decision-makers are aware of, and make use of national statistics as a resource, and identify any unmet needs/demand for data. There will also be training / workshops to expose and facilitate the utility and use of the open statistical data resource	
RELATED INITIATIVES	Consult with Damien King on work done on Social Accounting Matrix for Jamaica, using the data from various sources	
RELEVANT THEORIES OF CHANGE	Intermediaries will play a significant role both as catalysts and enablers	X
	Greater impetus and resonance will derive from increased efficiency / innovation ahead of transparency/accountability	
	Innovation fellowships provide an important mechanism for collaborative government-civil society co-creation in key developmenta	X
	The value sustainability of the open data initiatives in the region will rely on a vibrant Caribbean open data ecosystem of acto	X
	Governments role will require active participation on supply and demand sides of the Caribbean open data ecosystem	X
	Multi-sector approaches will drive the greatest economic returns on open data	X
	Scale limits and resource deficits will require common resources and shared use i.e. the Caribbean Digital Commons	
SUPPORTING DOCUMENT	Statistical structure of the JM Economy	