



Hybrid Public-Self Reliant -Private Funding Mechanisms for Higher Education in Jamaica

**Commonwealth Tertiary Education Facility Workshop
Universiti Sains Malaysia
November 26, 2014**

**Ishenkumba A. Kahwa,
Deputy Principal
The University of the West Indies
Mona Campus, Kingston 7, Jamaica
Email: ishenkumba.kahwa@uwimona.edu.jm**

UWI at a Glance

- ★ Main Campus
- ★ Open Campus Centres
- ★ Centre for Hotel and Tourism Management



Jamaica





THE UNIVERSITY OF THE WEST INDIES
AT MONA, JAMAICA

[About UWI](#)

[Admissions](#)

[Academics](#)

About UWI

SHARE:   

Sports

- UWI SPEC International Half-Marathon
- Inter-Campus Games
- Sport Scholarships
- Combined Campuses and Colleges Cricket Team





UWI Carnival 2011

2011
Apr 24

PUBLISHED IN
Alumni Link-Up

FEEDBACK



Sunday March 18- BEACH PARTY
Fort Clarence Beach, Portmore
DJ Nicco, DJ Kurt Riley, Titan VCD. 2pm - 12 am
\$800 presold \$1000 at the gate
Free transportation from UWI to Fort Clarence and back.
Pick up at 12pm from Students Union and Scotia Bank.



Highlights

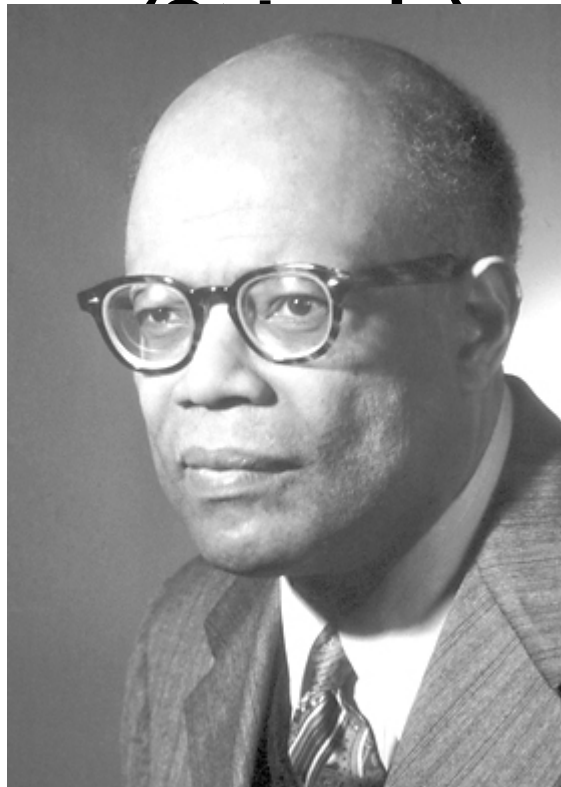
students!

- **Student population today – about 50,000**
- **Alumni - over 90,000 including:**
 - 1 Nobel Laureate
 - Dozens of Rhodes Scholars
 - More than 18 current and former Caribbean Prime Ministers and Heads of State

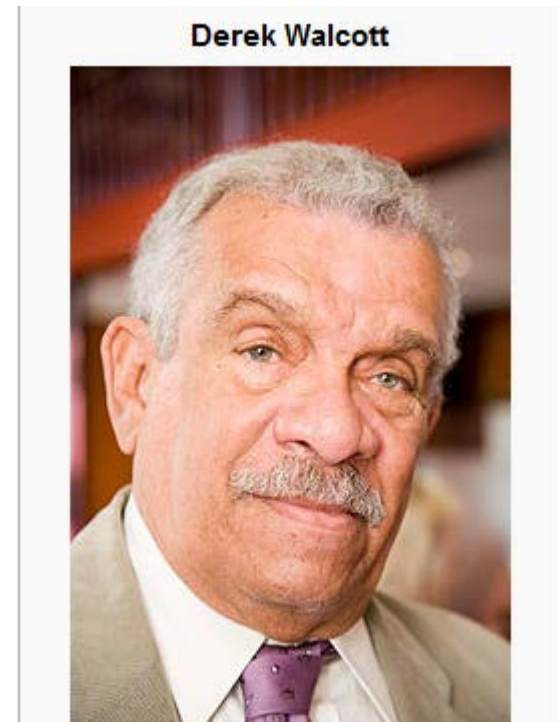


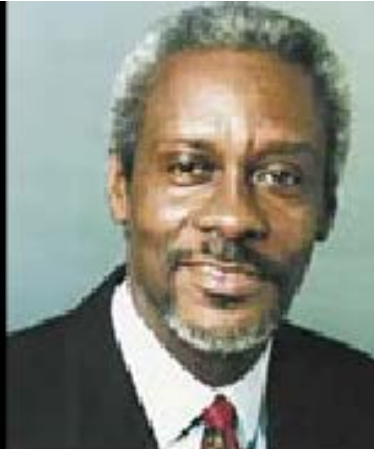
Nobel Laureates

Arthur Lewis (1979)
(Vice Chancellor)
(Economics)



Derick Walcott (1992)
(Alumnus) (Literature)
(St Lucia)





Caribbean Prime Ministers
- UWI Graduates

Innovative University: Cardiac Surgery Simulator is commercial (from 2 patents)

Images

Videos

News

More

The web

Pages from Jamaica

Any duration

Short (0–4 min.)

Medium (4–20 min.)

Long (20+ min.)

Any time

Past hour

Past 24 hours

Past week

Past month

Past year

Custom range...

Any quality

High quality

All videos

Closed captioned

www.simulab.com

Affordable and durable **simulators** for medical training & education



[The UWI Heart Surgery Simulator: The beating heart](#)

youtube.com

22 Mar 2008 - 18 sec - Uploaded by dncoore

The UWI Heart Surgery Simulator installed at UNC, Chapel Hill: **the heart** beating in normal sinus mode.

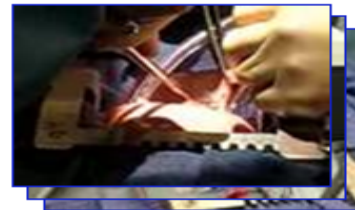


[The UWI Heart Surgery Simulator: an AVR procedure](#)

youtube.com

22 Mar 2008 - 19 sec - Uploaded by dncoore

The UWI Heart Surgery Simulator at UNC, Chapel Hill: an AVR procedure in progress on **the simulator**, before ...



3 videos

[YouTube - dncoore Channel](#)

youtube.com

▶ **The UWI Heart Surgery Simulator: an AVR procedure** - 19 sec

▶ **The UWI Heart Surgery Simulator: the actuator pump** - 17 sec

▶ **The UWI Heart Surgery Simulator: The beating heart** - 18 sec

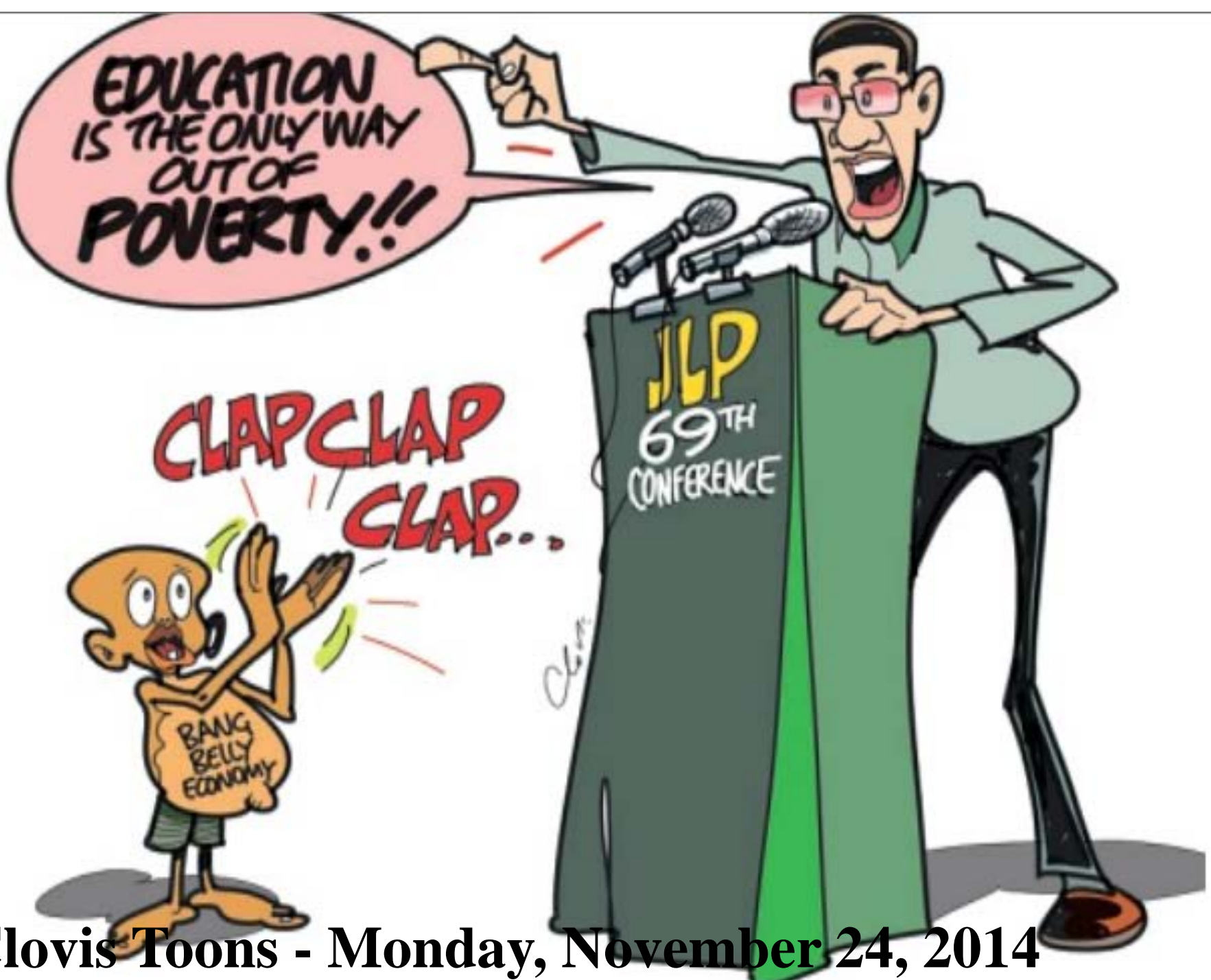


[The UWI Heart Surgery Simulator: the actuator pump](#)

youtube.com

22 Mar 2008 - 17 sec - Uploaded by dncoore

The UWI Heart Surgery Simulator at UNC, Chapel Hill: **The actuator pump** and electronics that control **the heart** ...



Clovis Toons - Monday, November 24, 2014

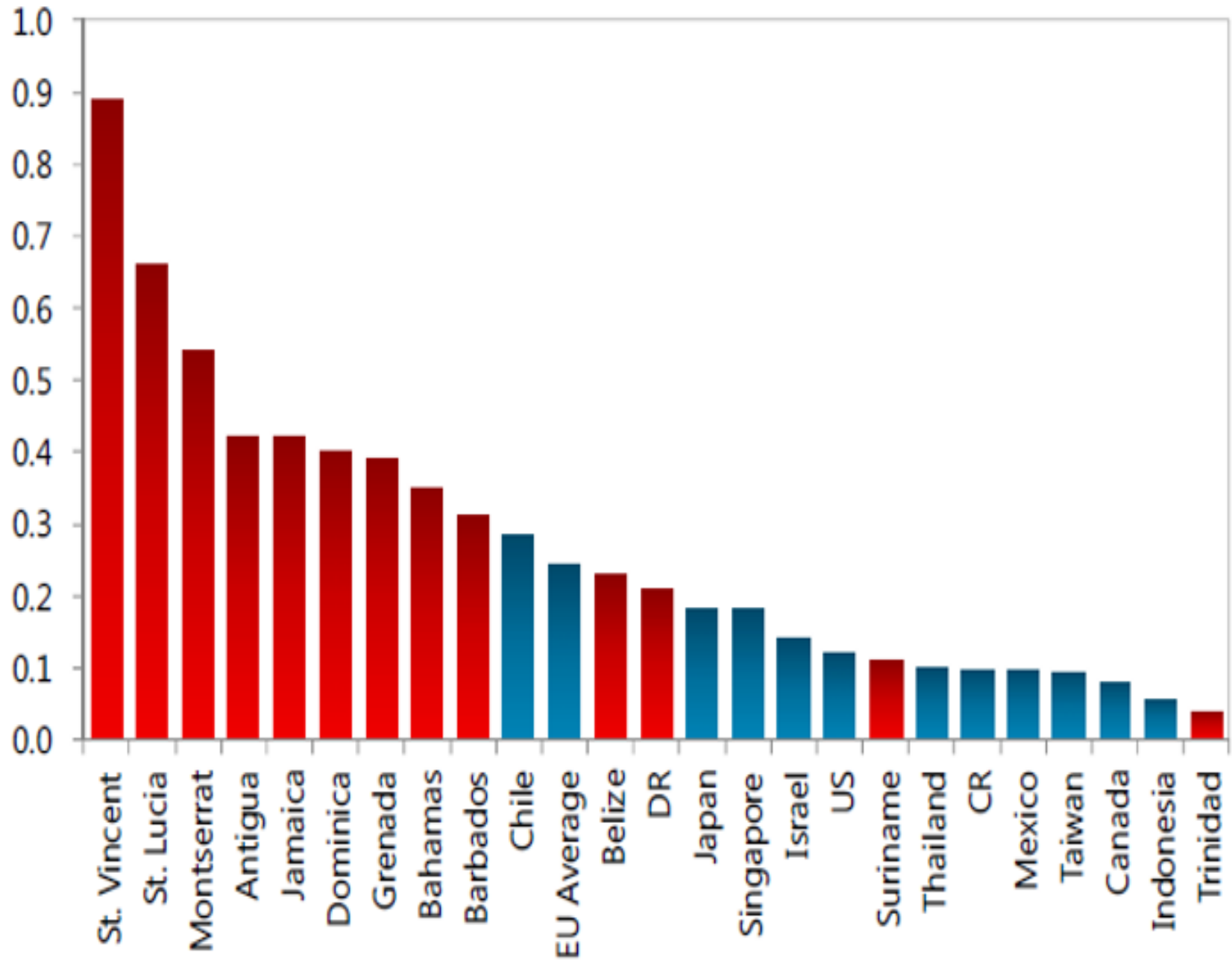
Country/ Territory	GDP (US\$ bill.)	Pop. (million)	GDP per capita (US\$)	Real GDP growth (%)	CPI Inflation (%)	Debt, % GDP	Gross reserves (% GDP)
Bahamas, The	8.2	0.4	23,417	2.5	1.5	52.6	10.3
Barbados	4.5	0.3	16,307	0.7	6.4	70.4	17.0
Belize	1.5	0.3	4,386	2.3	1.9	81.0	18.8
Guyana	2.8	0.8	3,596	3.7	4.6	60.4	30.6
Jamaica	15.3	2.8	5,526	0.9	7.2	143.3	9.5
Suriname	5.1	0.5	9,339	4.0	5.7	18.6	17.5
Trinidad & Tobago	23.8	1.3	17,935	0.7	9.0	35.7	42.1
Anguilla	0.3	0.0	17,307	0.5	4.7	21.2	13.5
Antigua and Barbuda	1.2	0.1	13,401	1.0	3.0	97.8	14.7
Dominica	0.5	0.1	7,022	0.4	3.6	72.3	17.6
Grenada	0.9	0.1	8,133	0.5	2.4	105.4	13.9
Montserrat	0.1	0.0	12,825	2.0	4.0	4.3	36.9
St Kitts and							

Country	HDI Rank
The Bahamas	51
Barbados	59
Antigua and Barbuda	61
Trinidad and Tobago	64
Grenada	79
St Kitts & Nevis	73
Belize	84
St Vincent and the Grenadines	91
Dominica	93
Jamaica	96
St Lucia	97
Suriname	100
Guyana	121

The debt-to-GDP ratio for selected countries of the region, 2012

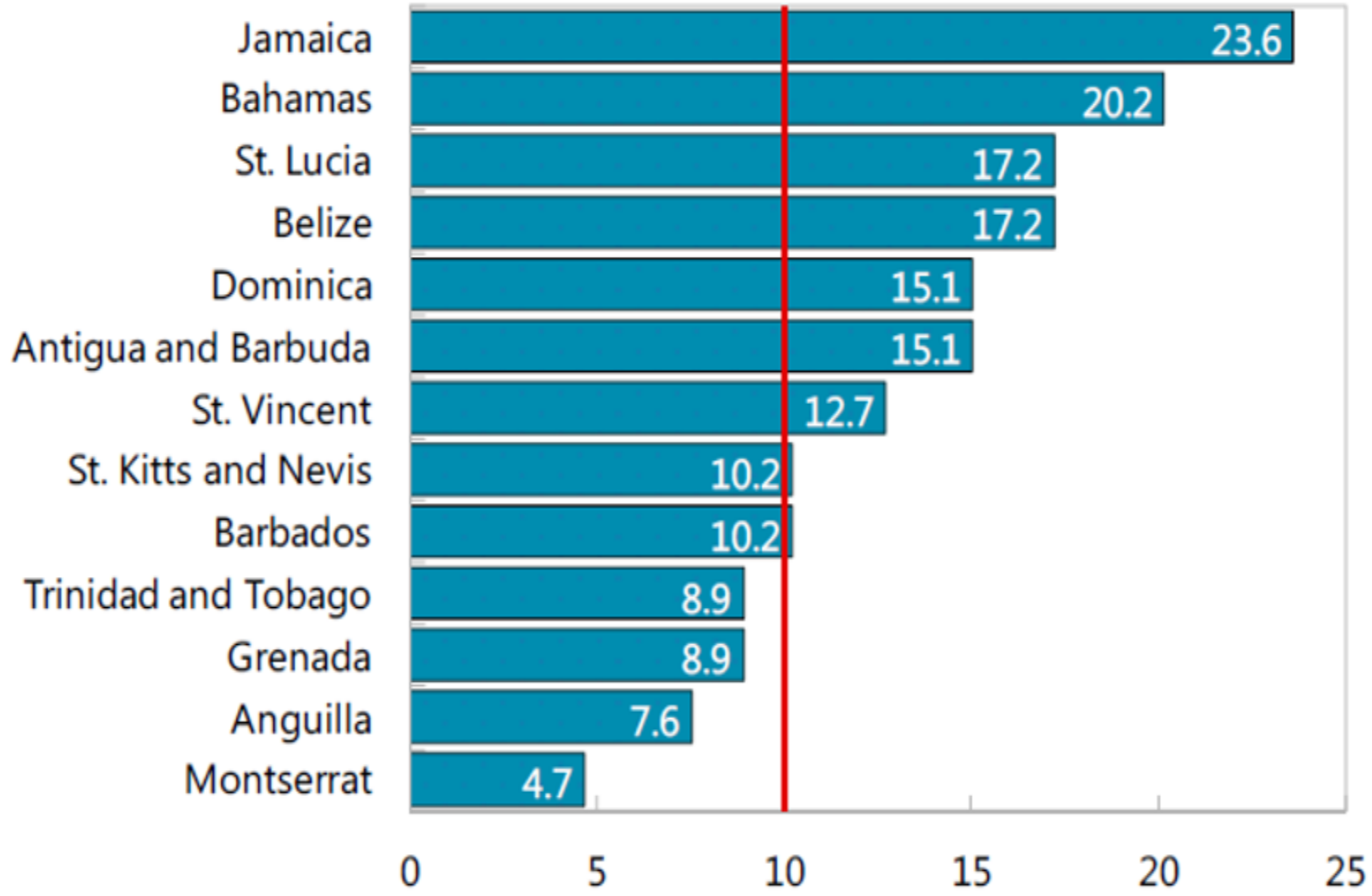
Country	Debt: GDP ratio (%)
Antigua and Barbuda	97.8
The Bahamas	52.6
Barbados	70.4
Belize	81.0
Dominica	72.3
Grenada	105.4
Guyana	60.4
Jamaica	143.3
St Kitts-Nevis	144.9
St Lucia	78.7
St Vincent and the Grenadines	68.3
Suriname	18.6
Trinidad and Tobago	35.7

Energy Costs, per kWh in US Dollars, in the Caribbean in June 2011 (Source: IMF¹⁴)



Vulnerabilities Natural Disasters

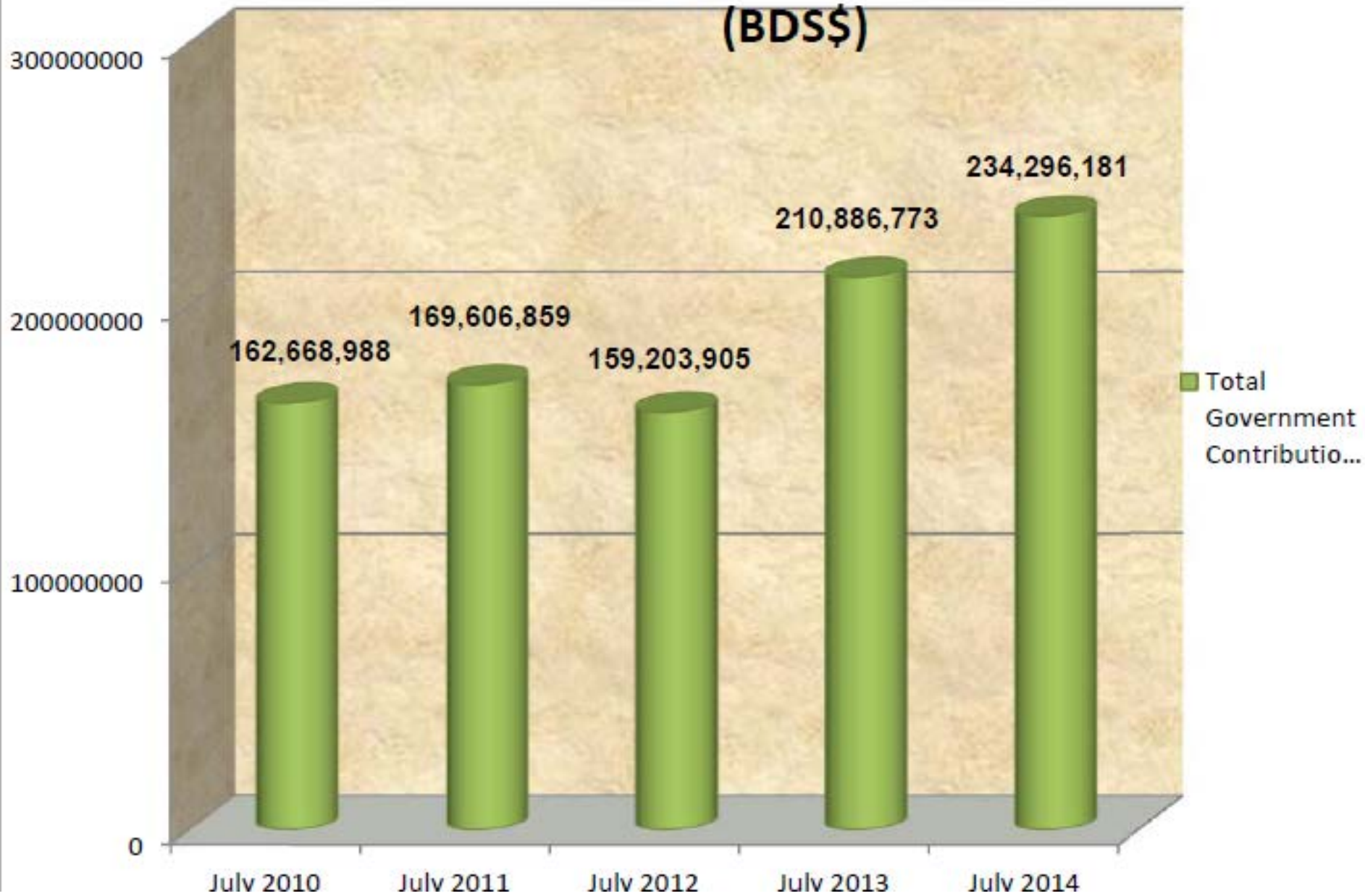
Percentage probability of a hurricane striking Caribbean countries in a given year (Sources: Emergency Disaster Database, IMF)



UWI as a whole

Total Government Contributions Outstanding 2010 - 2014

(BDS\$)



STUDENT RECEIVABLES

Balance Due from Students as at March 31, 2014 (all fees/all years)–

Year of last registration	# of Students	Outstanding balance \$
2013-14	5,283	757,296,145
2012-13	879	105,928,104
Prior 2012-13	1781	308,238,892
Graduated with balance	79	6,778,517
Other		50,618,011
TOTAL		1, 228,859,669



**May 2003, Academic Board UWI Mona,
commissioned a Task-Force to consider
strategic challenges confronted by Mona**



Alvin Wint
Chairman



Trevor
Monroe



Verene
Shepherd



Fred
Hickling



Inshen
Kahawa

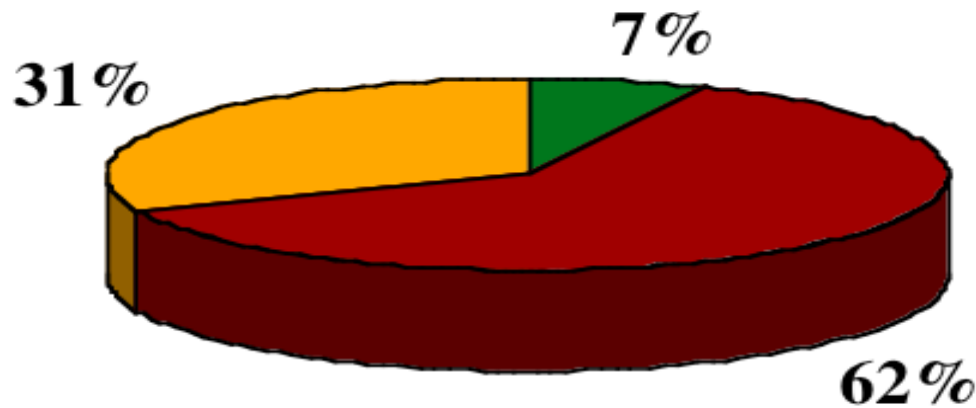
THE CHALLENGES



THE MONA CAMPUS
IS PRECARIOUSLY
FUNDED

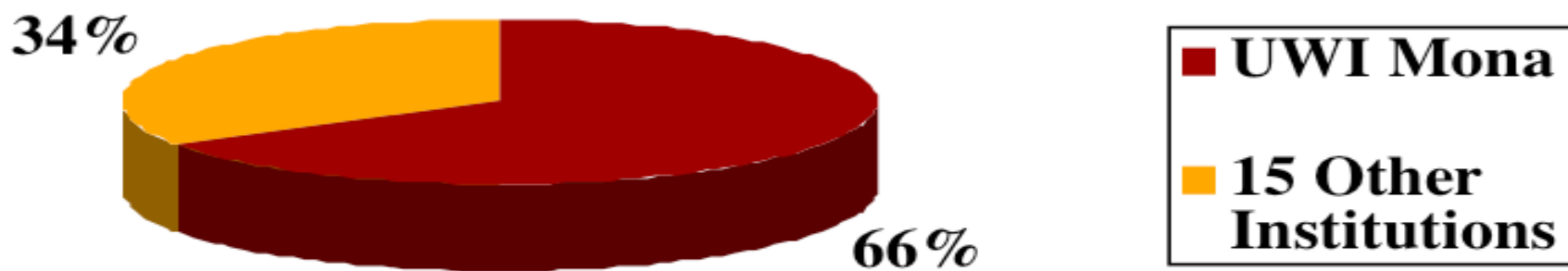
Sources 2003

Funding Sources UWI Mona

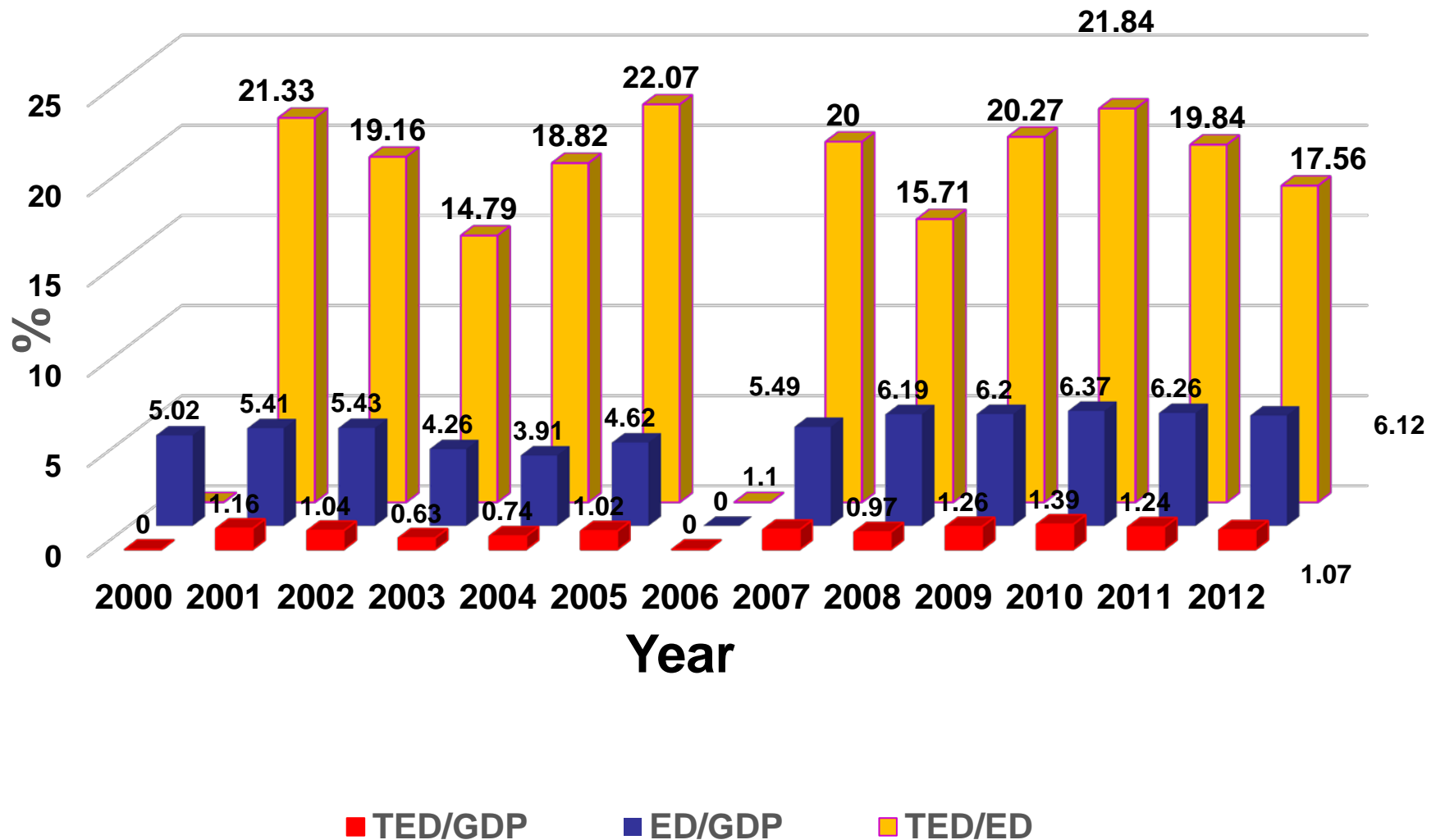


UWI Mona –Lions Share of TE Budget 2003

Government of Jamaica Annual Tertiary Education Budget



Expenditure on Tertiary (TED) Education in Jamaica relative to GDP/Education Budget(ED)



**SUMMARY OF STUDENT ENROLMENT
BY LEVEL AND TYPE OF EDUCATIONAL INSTITUTION
2012/2013**

<http://moe.gov.jm/sites/default/files/Education%20Statistics%202012-13.pdf>

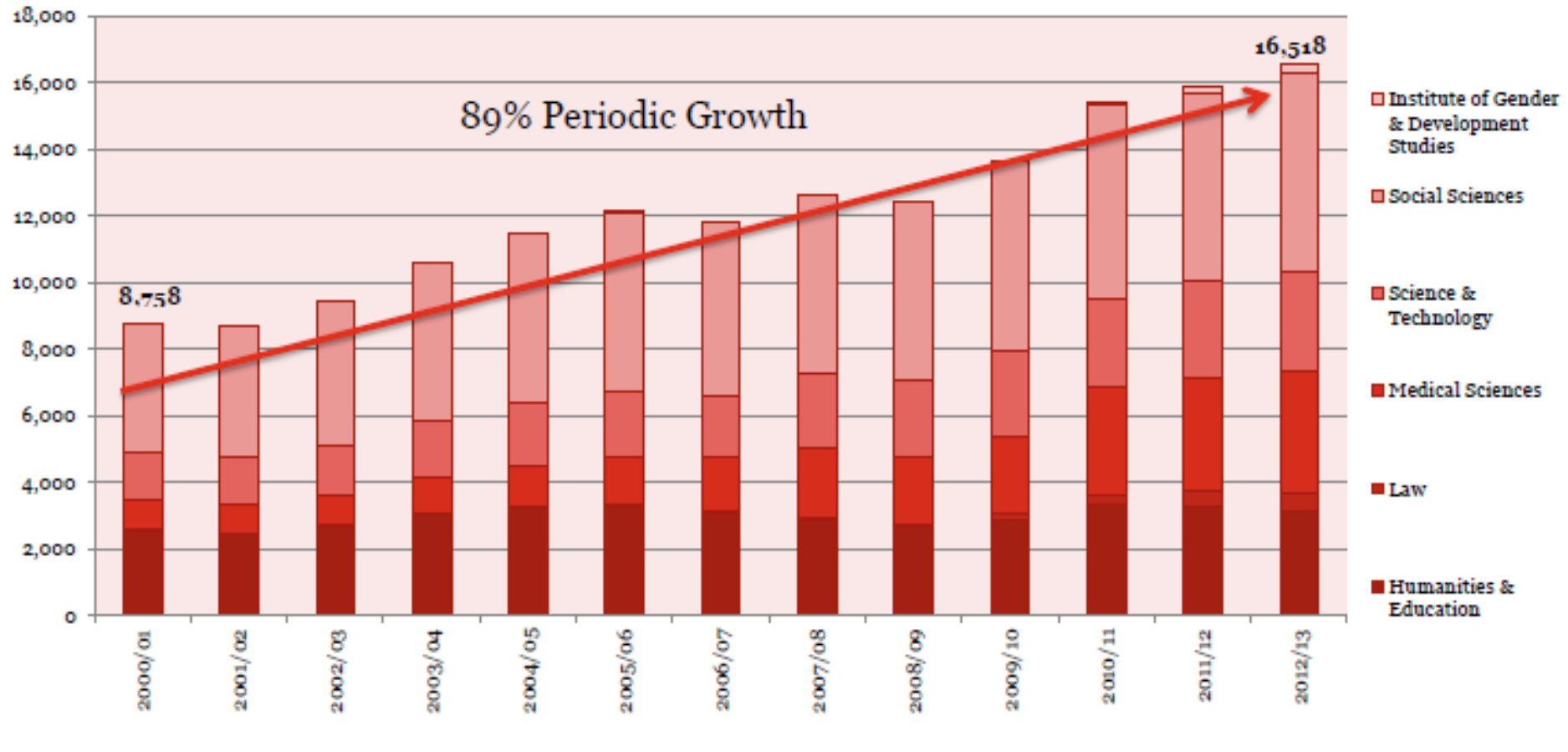
	INSTITUTIONS*	ENROLMENT			
		MALE	FEMALE	TOTAL	PERCENTAGE
SECONDARY SCHOOLS					
ALL AGE (GRADES 7 - 9)	111	2,065	900	2,965	0.4
PRIMARY & JUNIOR HIGH (GRADES 7 - 11)	86	6,654	4,255	10,909	1.6
SECONDARY HIGH	148	93,995	102,705	196,700	28.7
TECHNICAL HIGH	14	10,238	10,716	20,954	3.1
AGRICULTURAL HIGH	2	182	135	317	0.0
INDEPENDENT SECONDARY SCHOOLS***	26	2,350	1,807	4,157	0.6
SUB - TOTAL	387	115,484	120,518	236,002	34.4
TERTIARY					
COMMUNITY COLLEGES	5	2,582	4,530	7,112	1.0
TEACHERS' COLLEGES	5	755	4,534	5,289	0.8
MONEAGUE COLLEGE	1	299	891	1,190	0.2
BETHLEHEM	1	85	577	662	0.1
EDNA MANLEY COLLEGE OF THE VISUAL & PERFORMING ARTS	1	236	270	506	0.1
COLLEGE OF AGRICULTURE, SCIENCE & EDUCATION	1	317	495	812	0.1
G.C. FOSTER COLLEGE OF PHYSICAL EDUCATION & SPORTS	1	334	266	600	0.1
UNIVERSITY OF TECHNOLOGY**	1	5,399	7,617	13,016	1.9
UNIVERSITY OF THE WEST INDIES**	1	4,192	9,087	13,279	1.9
SUB - TOTAL	17	14,199	28,267	42,466	6.2
GRAND TOTAL	2,903	338,122	347,080	685,202	100.0

* Number of Institutions offering Education at the various levels

** Data are for 2011/2012

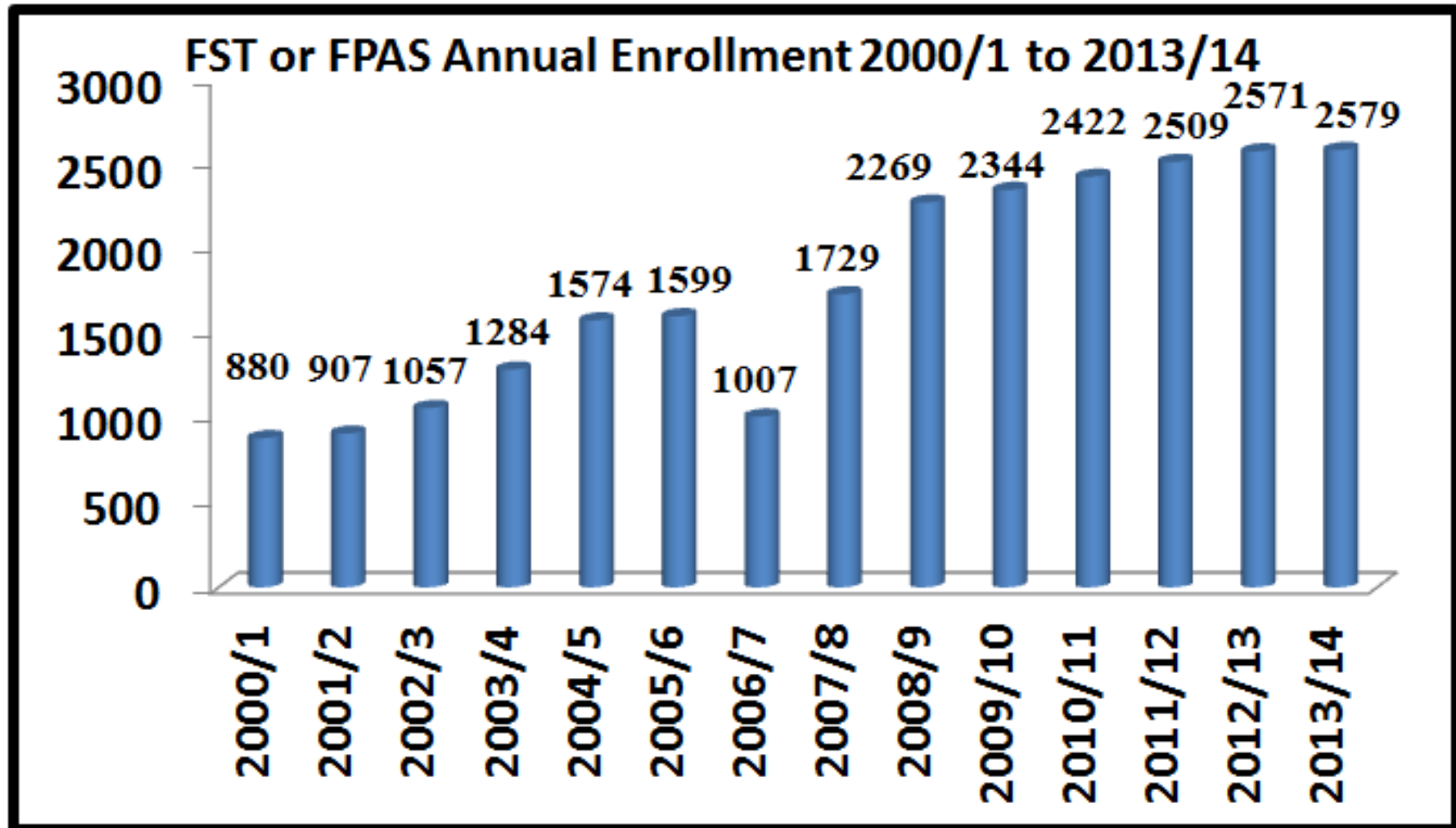
UWI Mona Enrolment Trends 2000/01 – 2012/13

UWI Mona Annual Enrollment



Key Growth Areas: Medical Sciences (331%), Law (816%), Science & Technology (109%)

Number of Students Enrolled



Academic Year

Collaborative Efforts to Collect Outstanding Debts (about 25-30%)

Delinquent Students' Loan Bureau Borrowers To Face Salary Deductions

Published: Friday | April 19, 2013

 5 Comments



A massive crowd of applicants outside the Students' Loan Bureau office in New Kingston in 2005. Delinquent borrowers could have sums deducted from their salaries to meet their obligations, said the finance minister yesterday. - FILE

DELINQUENT BORROWERS of the Students' Loan Bureau (SLB) who

Jamaica Students Loan Bureau



Register for a Loan

Email address:

Password:

Forgot Password

Login

Students' Loan Bureau

About Us

Contact Us

Applying For A Loan

Repayment

Client Care

Financing Higher Education

Jamaica

▶ Apply Online

▶ Application Process Demo

▶ List of Approved Schools

▶ FAQ's

▶ Glossary

▶ Online Payment

▶ Appointment / Loan Status

▶ Faces of Delinquency

▶ Application Process Demo

View a step by step animation of the application process.



Faces of Delinquency

Institution : All

▼ 249 beneficiaries



Jason St. John Abrahams
Social Science
UWI, Mona
Last updated
05/09/2013 01:05:09 PM



Alicia Allen
Health & Applied Science
University of Technology
Last updated
31/10/2013 12:35:53 PM



Christopher Luke Allen
Career Development
Vocational Training Development Institute
Last updated
05/09/2013 01:07:16 PM



Julio Allen



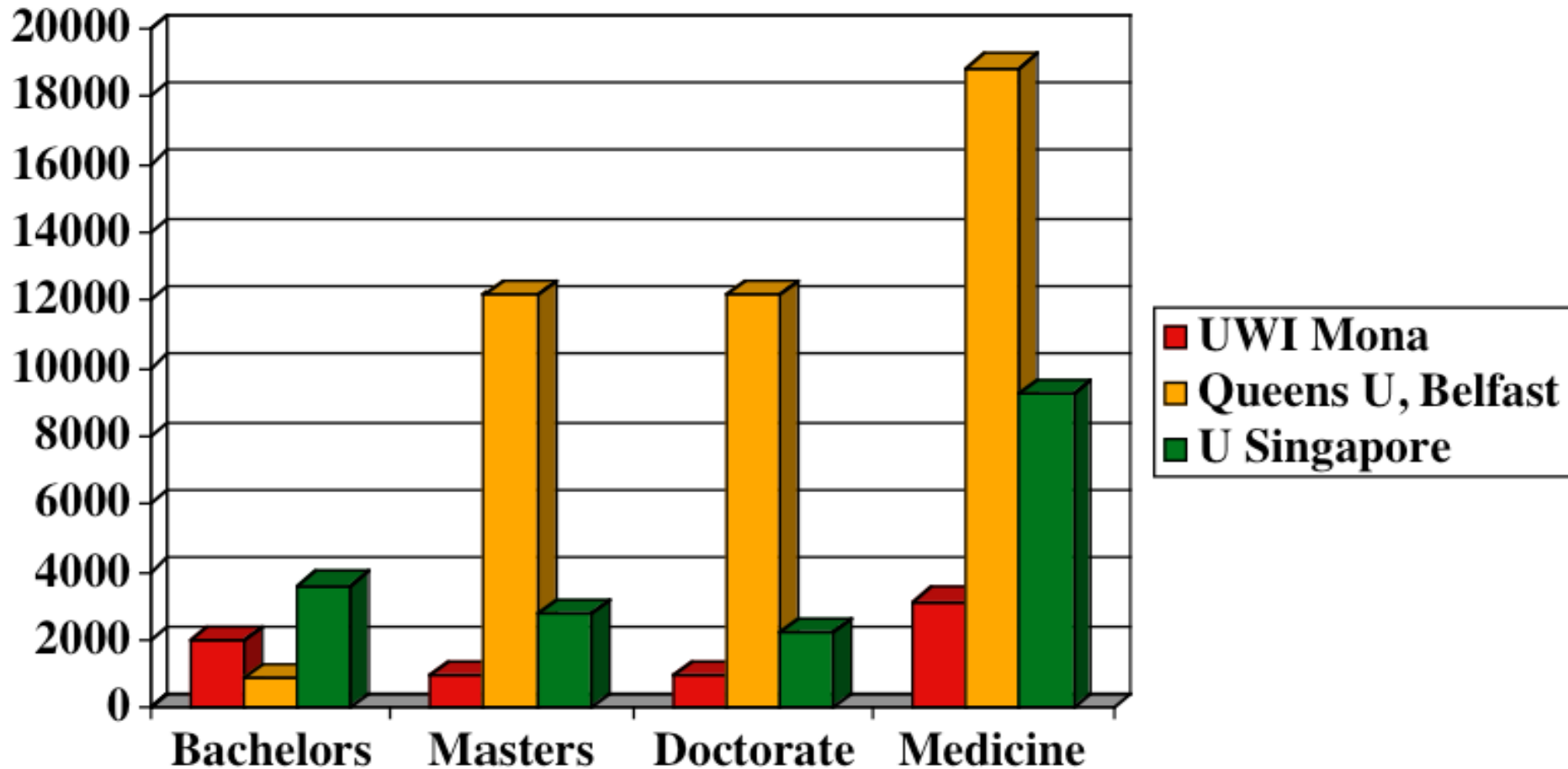
Kimola Allen



Mark Christopher Allen

Tuition Fees Low -2003

Comparative Tuition Fees (US\$ Per Annum)



Support from Jamaica Government to UWI Mona

• 2003

- J\$6.5 Billion =
- **US\$110 million**

• 2014

- J\$4.2 Billion
- **US\$37.5million**
- **Income: J\$15.5B**
- **or**
- **US\$155 million**

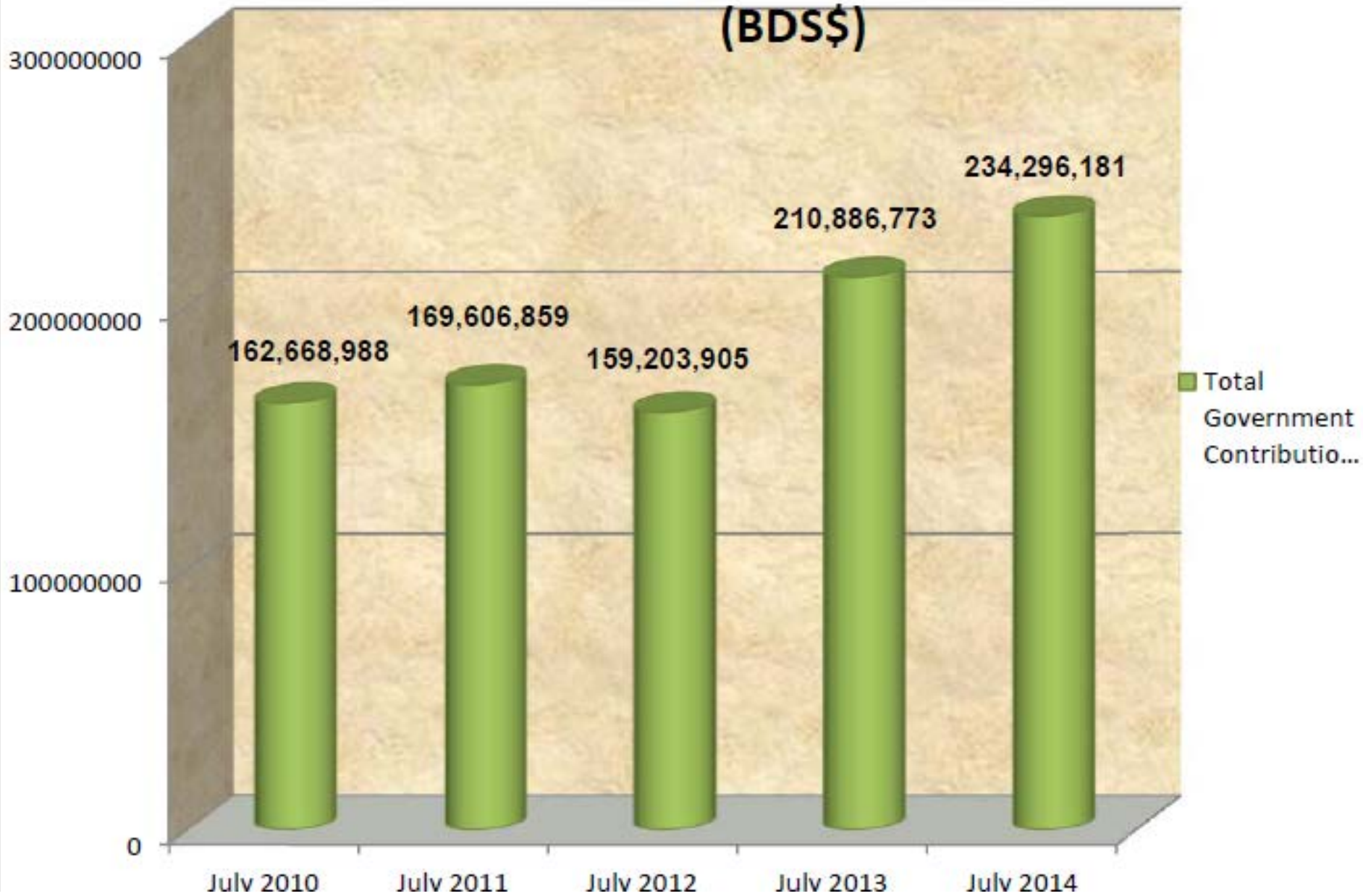
Statement of Profit or Loss and Other Comprehensive Income
Year ended July 31, 2014

**UWI Mona Income Sources
for 2013 & 2013 (Gvt=35%)**

	<u>Notes</u>	<u>2014</u> \$'000	<u>2013</u> \$'000 Restated *
INCOME			
West Indian government contributions		5,484,977	5,626,110
Less amount allocated to Mona School of Business and Management		(161,166)	-
		5,323,811	5,626,110
University Centre contributions for library and administration		31,833	25,201
Tuition and other student fees		2,773,681	2,427,826
Donor income for special projects		367,098	388,789
Other projects		4,106,506	2,739,372
Investment		11,157	14,016
Commercial operations		2,832,578	1,805,457
Miscellaneous	19	459,114	423,670
		15,905,778	13,450,441
Less: Transfer to capital grants	17	(265,919)	(209,891)
Income after transfer to capital grants		<u>15,639,859</u>	<u>13,240,550</u>

UWI as a whole

Total Government Contributions Outstanding 2010 - 2014



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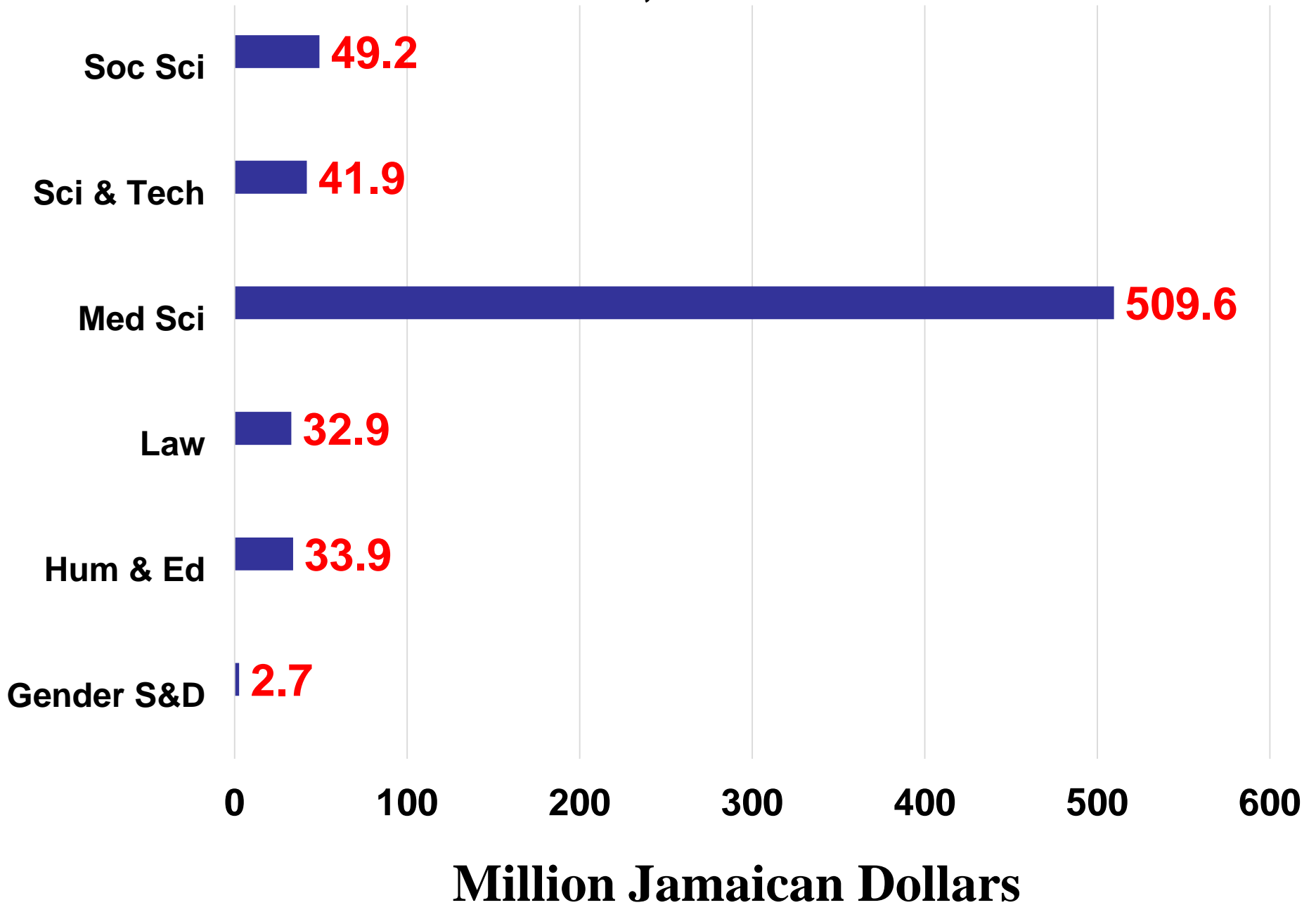
Risk Averse Investors- Other Possibilities

- **Easy to get: Car loan, consumption loan**
- **NOT Education Loan!!!!**
- **Income Contingent Loans – not on yet**
- **Profession-linked low cost loans for students in:**
 - Medicine/health/safety**
 - Engineering**
 - Law**

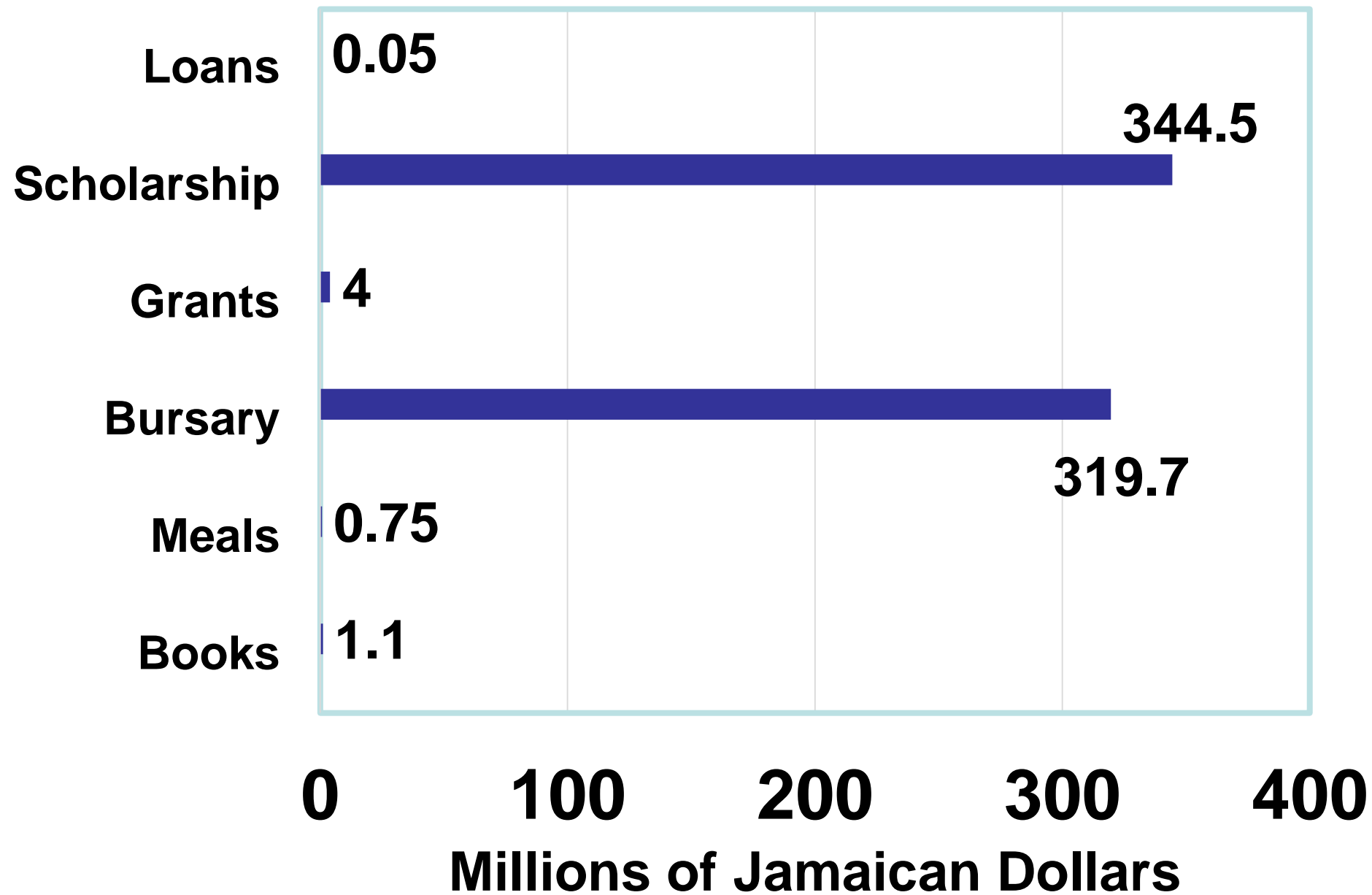
Access to TE threatened by Cost

- **UWI Mona Helping**

UWI Mona Support (4.3% Budget) for Students for 2013/4 Millions, Jamaica Dollars



Type of Support and Value - 2013/4



TE Financing: Student Entrepreneurship – Need programmatic approach & Facilitation

The Gleaner Jamaica WI

Tasteful Jerk At CB Pan Chicken Finals

Published: Thursday | November 28, 2013

0 Comments



Tristan Bernal attending to his jerked chicken.

BPO firm to add 300 jobs

Sunday, December 08, 2013 2 Comments

Like Share 43

Tweet 4



Prime Minister Portia Simpson Miller (second right) share a moment with (from left) JAMPRO president Diane Edwards, Sutherland Global Services Jamaica head Odetta Rockhead, Industry Minister Anthony Hylton, University of the West Indies (UWI), Mona, Deputy Drincipal Professor Ishenkumba Kahwa, Sutherland Global Services senior vice-president Jim Myers, and Sutherland Global Services CEO Dilip Vellodi at the official opening of the business process outsourcing (BPO) company, Sutherland Global Services Jamaica, at UWI on Wednesday.

Sutherland Global Services BPO at UWI

Mona:

*Student

Employment:

Living costs and

Univ. Fees,

family support,

work experience

*Fees to Univ.

Reasonable

income in US\$.



FACULTY OF LAW

More at Mona...

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[BROWSE OUR PROGRAMMES](#) >

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[RESEARCH & INNOVATION](#) >

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Tertiary Education Business: UWI's Basic Medical Sciences Complex Built UWI's – Own Generated Funding

Engineering Law and Communication

Impression drawings of Basic Medical Science complex



Mona School/Faculty of Engineering Investment Opportunity



Comprehensive Engineering Facilities



New Halls of Residence –UWI Built with Loans taken by UWI Itself



Public Private Partnership-Student Housing



Public Private Partnership-Student Housing





Developing revenue-enhancing programs

Over 70 TLI in Jamaica



Tertiary Education Regulation – a Recent Initiative

70 institutions expected to come forward

News

Registry established for tertiary institutions

BY BALFORD HENRY Observer staff reporter balfordh@jamaicaobserver.com

Thursday, October 16, 2014 1 comment

 Like

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THWAITES... the ministry is inviting all new and existing private tertiary level institutions to register with J-TEC

Dr. K Mitchell (PM Grenada)

“The application of science and technology to our economy must be undertaken as a matter of urgency”

In Integrate or Perish, K. Hall 1999 pg.26

News

Exciting prospects for high-end jobs at rare earth facility, says professor

BY ALICIA DUNKLEY-WILLIS Observer senior reporter dunkleya@jamaicaobserver.com

Wednesday, February 06, 2013 1 comment

Like Share 5 Tweet 7



KAHWA... we have the expertise that can be directed towards preparation and development of materials that are of high value. (Photo: Bryan Cummings)

PROFESSOR of Supra-molecular Chemistry and Dean of the Faculty of Pure and Applied Sciences at the University of the West Indies Dr Ishenkumba Kahwa says

WOMAN | REGIONAL | ENTERTAINMENT | HEALTH | PHOTOS | CLASS

mbassy | Clearing Customs | Environment

Jamaica's Rare Earth Work is top Secret!!
Compare with Developed Countries – rushing to issue top secret clearance -focus top minds on national problems and opportunities

North-South Highway Link: Should We Brace For Disaster?

Published: Wednesday | December 12, 2012

6 Comments



This section of the north-south link of Highway 2000 will enable motorists to bypass Mount Rosser. It connects Treadways, St Catherine, to Moneague, St Ann. - Norman Grindley/Chief Photographer

Professor Simon Mitchell, Guest Columnist

A north-south route connecting Kingston to the North Coast Highway is undoubtedly an important step in the development of Jamaica. Yet this project has met numerous problems. The leg from Linstead to Moneague has been particularly troublesome, and eventually resulted

More Commentary

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Is Jamaica ready for the

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TAGS

CARICOM

CARISCIENCE UNESCO

PM: CARIBBEAN COUNTRIES NOT SPENDING 1% OF THEIR GDP ON R&D

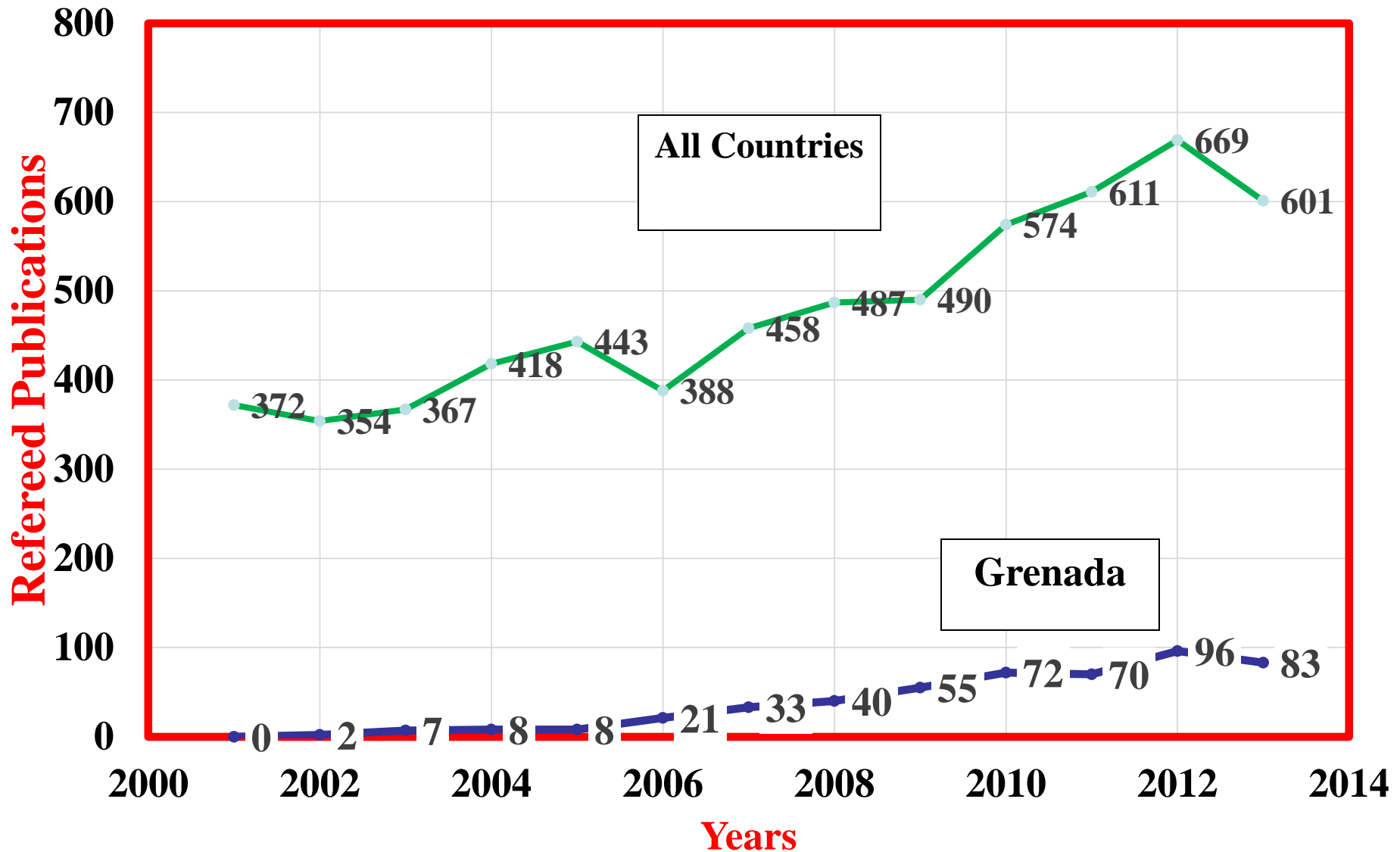
POSTED ON 9 MAY 2014 IN GENERAL NEWS

Prime Minister Dr Keith Mitchell is of the opinion that ICT techniques, methods and practices are yet to seriously impact the fragile economies in the region. Dr Mitchell is the Prime Minister responsible for Science and Technology within CARICOM.

Expressing his concern about the slow growth of ICT within CARICOM compared to the rest of the world, he told participants at the opening of a one week workshop on Technopreneurship in Tobago, that there has been an increased growth globally in the ICT industry, but this level of growth is yet to be experienced in the region.

**CARICOM: GERD
less than 0.1%**

Time Evolution of Refereed Publications in Caribbean English and Dutch Speaking Countries



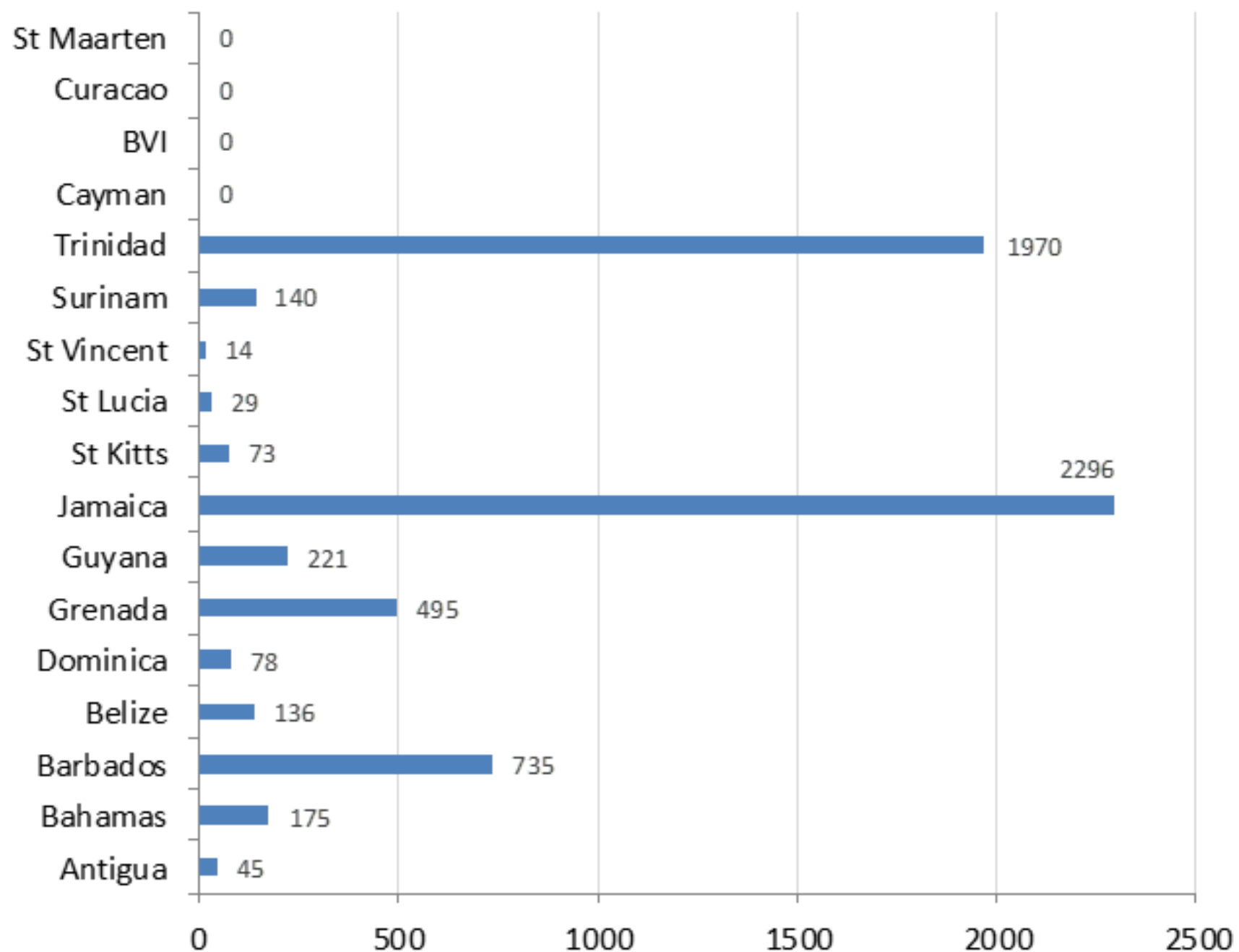
Private Sector University



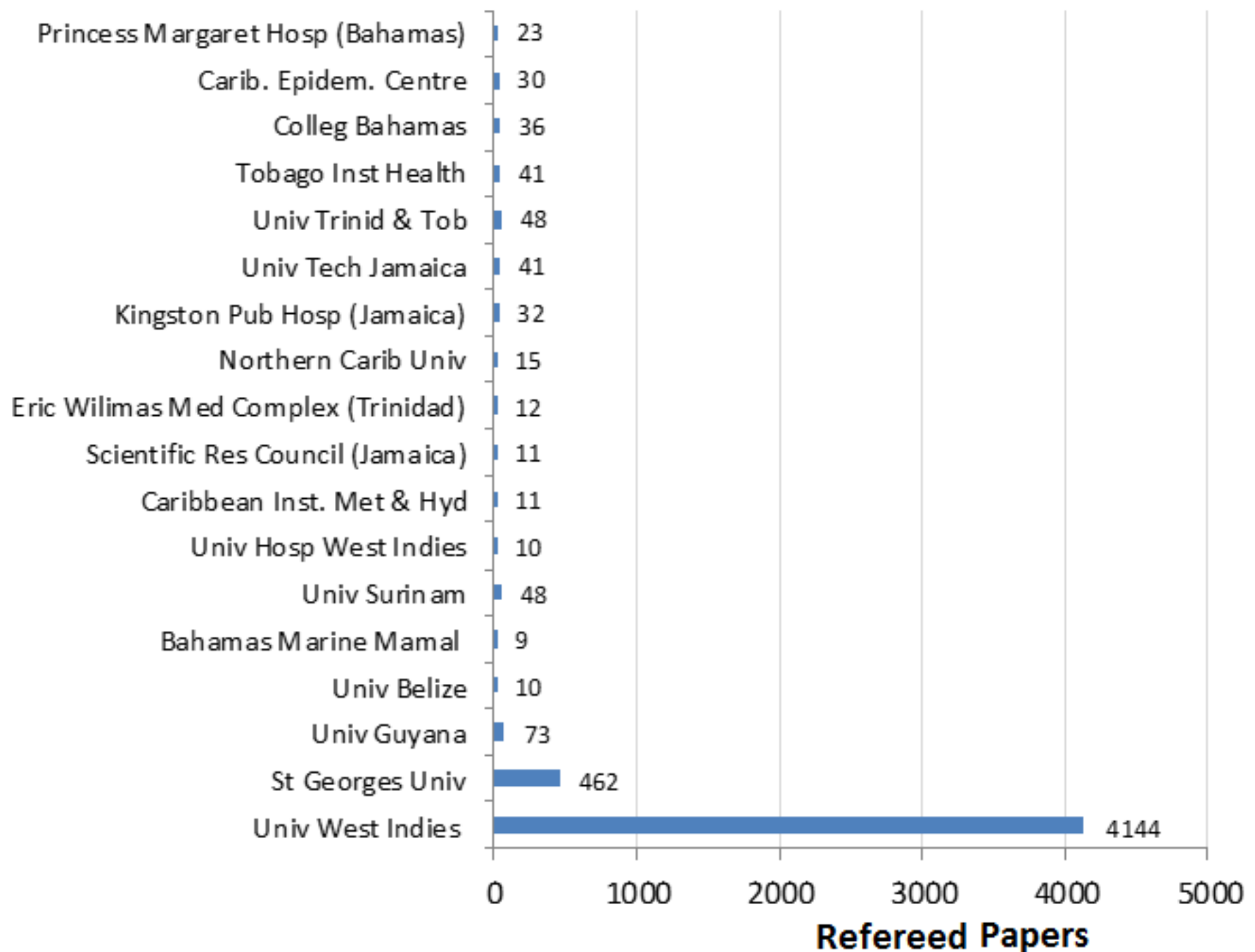
St. George's University School of Medicine



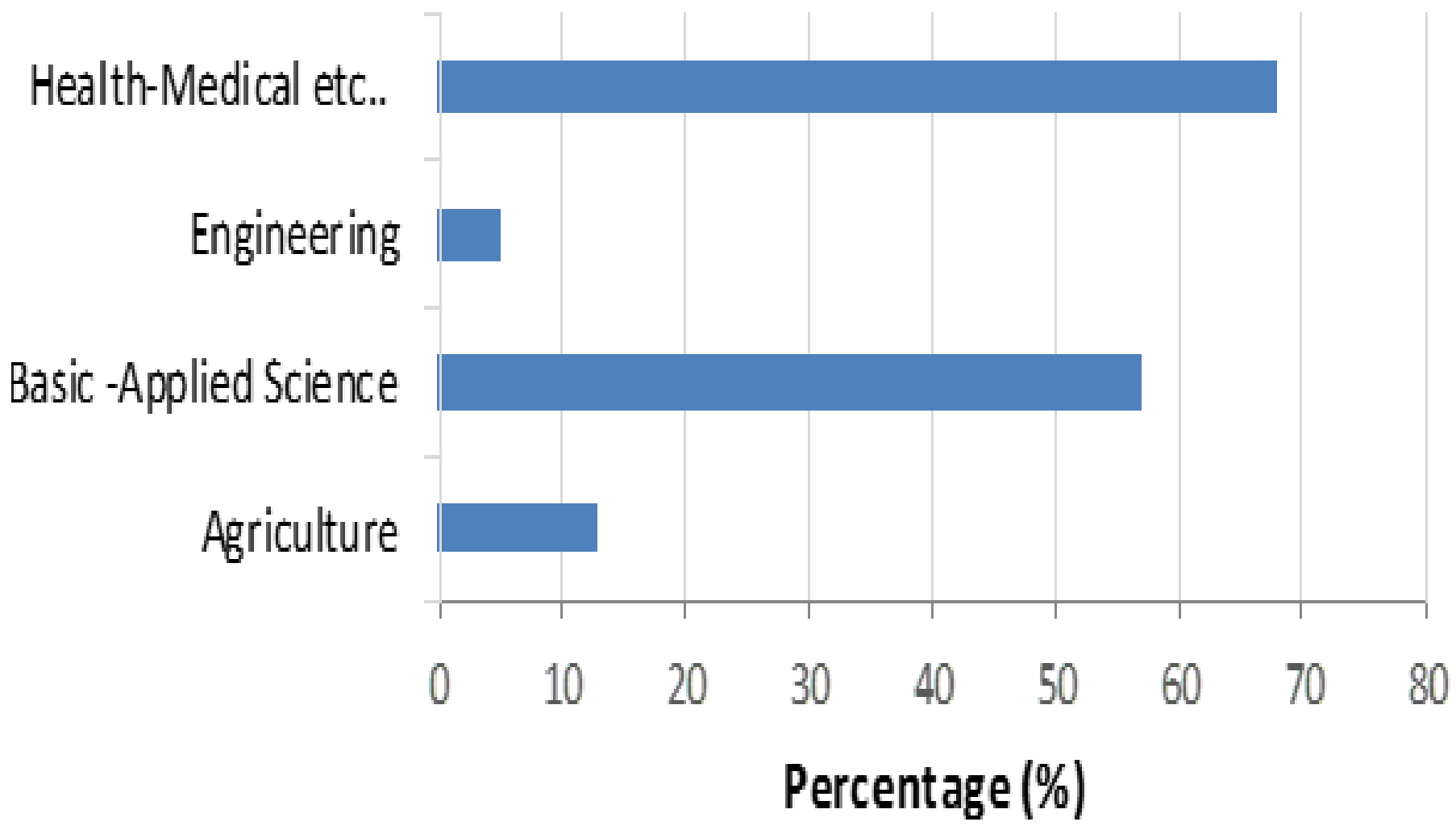
Refereed published items by country for 2001—2013



Refereed Papers by Institution

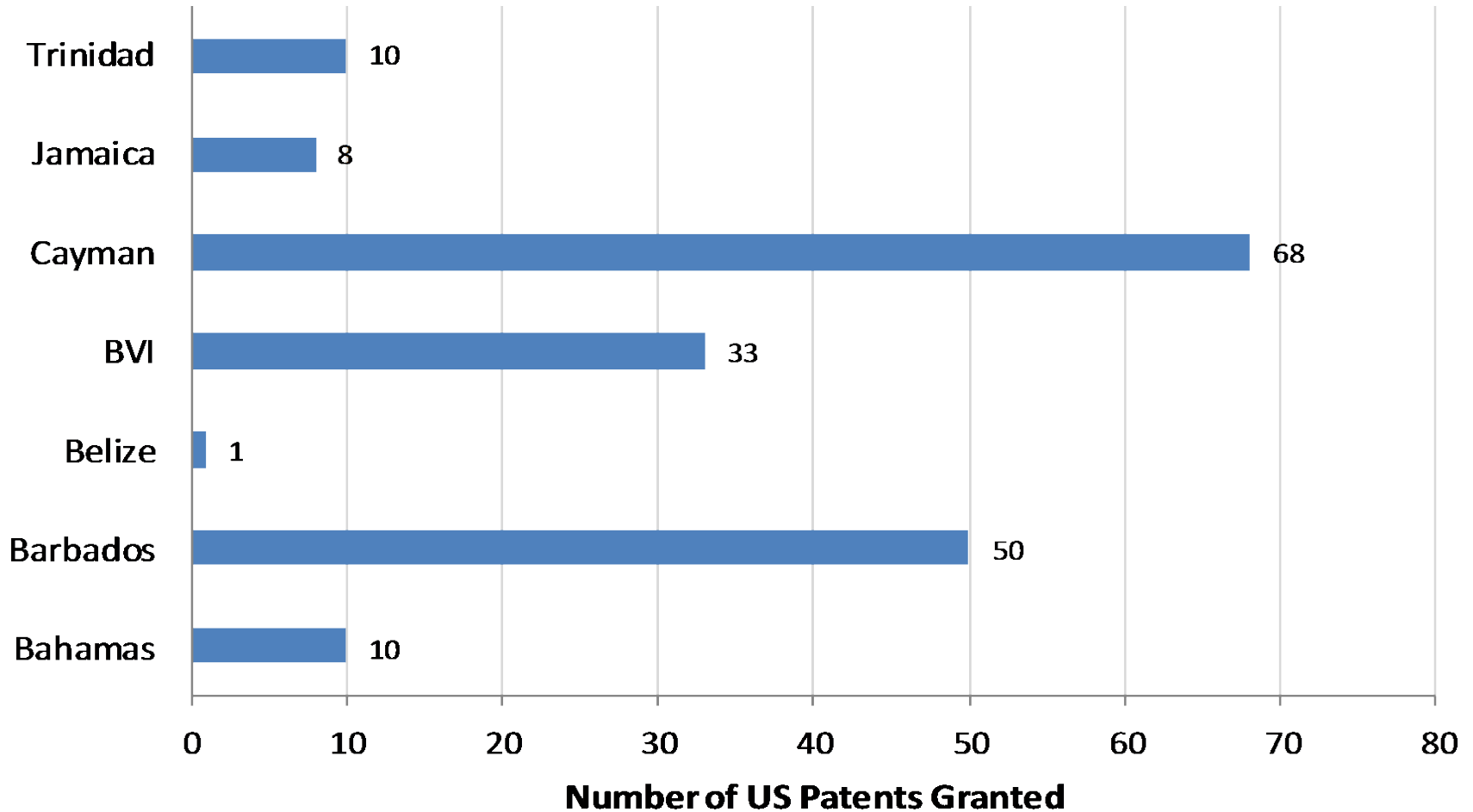


Publications by area of research



USPTO patents of Caribbean applicants

(Source: USPTO: <http://www.uspto.gov/>)



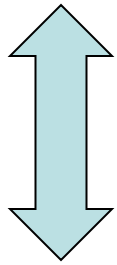
Developing Countries Situation: Funding Support for Research

Small/Modest Support could come from

- Medical Council –support medical research and conference**
 - Agricultural agencies**
 - Environmental (EFJ) – Largest ca. US\$4M**
 - Sporadic Local and Overseas Sources**
 - Basically: No Funding Agency for Research**
- CARICOM GERD \approx 0.1%(Int. agreed =1%)**

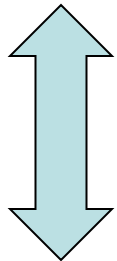
Stop Finger Pointing-Paralysis –Frustration- Find areas of interest intersection

- Government – go overseas for needed service
– reluctance to invest in endogenous capacity



(must win VOTES)

- Research Institutions – Maintain time-tested
ICONIC model



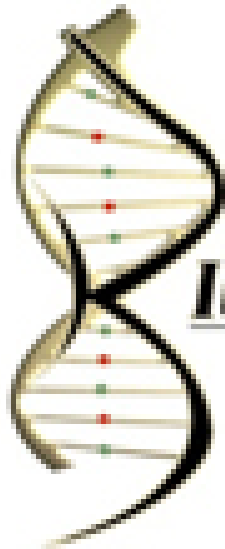
(Academics Must Publish)

- Private Sector - go overseas for needed service
- reluctance to invest in endogenous R&D capacity
(Profit)

Way Forward 2: ICONS with Significant Financial Ability Joining

Bio-Tech R&D Institute Limited

Id
we,



IO-TECH R&D INSTITUTE LTD

"Enhancing the quality of life through innovation"

1 of
s,

▼ advertisement

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ufxmarkets.com/Stocks-Trading

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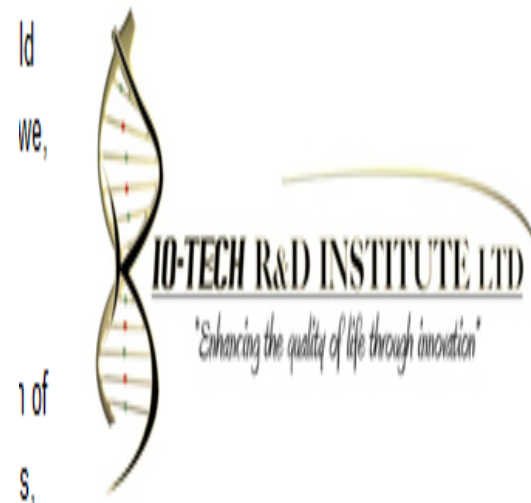
Lowe gets US patent for anti-cancer formula



Dr Henry Lowe - FILE

Renowned Jamaican scientist and entrepreneur Dr Henry Lowe |

Bio-Tech R&D Institute Limited



Summary Sustainability- in Hands of Universities themselves

Academic Programmes

Commercial Programmes

Private Sector Support

Persuade Government to invest in TE

Watch Out:

- **Sustainability – agile, flexible, innovative etc...**
- **Access –funding methods for students etc...**
- **Quality – delivery modes, research etc...**
- **Cost Effectiveness – self sufficient in energy, water, etc..**

Thank you