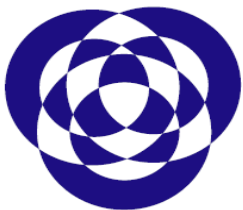


ITU: Connect the Caribbean

Ken Sylvester
CEO

Caribbean Knowledge and Learning
Network



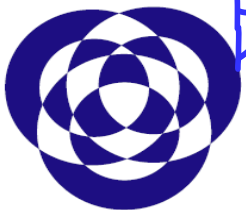
CKLN

Caribbean Knowledge and Learning Network

The Caribbean Knowledge and Learning Network (CKLN)

CKLN is: A CARICOM Intergovernmental Agency established by HOG of CARICOM to:

1. Work with all Tertiary Education Institutions in the Caribbean to strengthen their capacity to develop and deliver e-learning programmes and courses at a distance to Caribbean nationals wherever they may live.
2. To provide a Regional Education and Research network connecting all Caribbean countries, so Educational Institutions in the Caribbean can collaborate and partner in the development and dissemination of knowledge to Caribbean people



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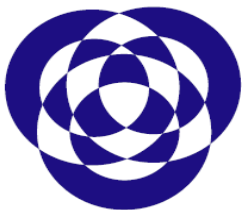
Caribbean Knowledge and Learning Network

C@ribNET

What is it?

A regional **High Capacity** Knowledge and Learning Network, connecting education, knowledge and research centres, Health and regional public institutions in Caribbean countries **together and then to the rest of the world's**

(10 Million Euros Grant, Funded by the EU)



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C@ribNET with Regional Links



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Phase 1 Countries connected

Anguilla
Antigua and Barbuda
Barbados
BVI
Bermuda
Cayman
Dominica
Dominican Republic
Grenada
Guyana
Haiti
Jamaica
Montserrat
St. Lucia
St. Vincent
St. Kitts
St. Lucia
Suriname
Trinidad and Tobago
Turks and Caicos
Cuba?

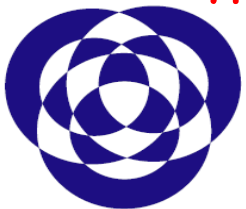


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Good Networks aren't enough - "necessary but not sufficient"

1. High capacity networks without **compelling applications** is not **sustainable** and has **little value**
2. Need an **enthusiastic user base** with **capacity to use it**
3. Need a **framework** so applications benefit users in a powerful, reliable and easy-to-use way
4. The technology and its complexity should be **transparent to the user**

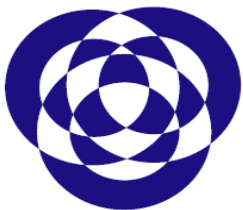


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What services may C@ribNET offer?

- Host a local Digital Library (saves international bandwidth)
- Host local mirror sites of international databases (ditto)
- Support telemedicine and remote diagnostics
- Operate Videoconferencing bridging
- Host Higher Education Management Information System
- Host Learning Management Systems (LMS)
- Facilitate E-Learning, and Virtual Classrooms
- provide access to the commodity Internet
- Run e-mail service for its members
- Provide Web hosting if required



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Applications that will need C@ribNET

- Natural Disaster systems - typhoon, flood, tsunami and earthquake warning, prediction, and monitoring
- Climate change research, meteorology, environmental monitoring and data sharing
- Telemedicine and remote diagnostics
- Link with Grid initiatives, computing and data repository sharing
- Monitor emerging pandemics (bird flu, SARS, H1N1)
- Bio-informatics, Agro-informatics, Astronomy

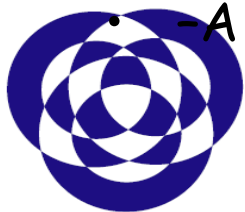


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What are the benefits of C@ribNET?

- - Exponentially **more** bandwidth at same **cost**
- - Critical for **access** to digital resources, instrumentation, supercomputing
- - Essential for international collaborative research - **without connectivity you are outside the club**
- - **Connects** faculty and students to global academic community - reducing "**academic isolation**"
- - Springboard for innovation in country - spin-offs to industry, education, healthcare, e-government
- - Building a computer literate population - **graduates are the future customers of ISPs**



• - A foundation for the **Knowledge Economy**

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What are our key priorities for use of C@ribNET?

1. Develop communities of interest, made up of academics, researchers and information technology practitioners, medical practitioners, librarians and students (NRENS)
2. Form partnerships with other international research and education networks and seek areas of collaboration (RedCLARA, Internet2, GEANT)
3. Agree on the priority applications to be delivered by C@ribNET
4. Develop project proposals for funding for chosen applications priorities

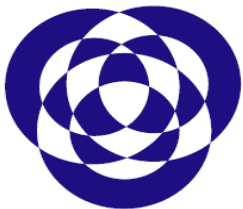


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What we have done so far

1. Established NREN in formation in:
 - Trinidad and Tobago
 - Jamaica
 - Barbados
 - OECS
2. Established blueprint for development of NREN
3. Identified killer applications
 - Digital library for the Caribbean
 - Knowledge Management
 - Video Conferencing to support Virtual classrooms
 - Student Information system
 - Telemedicine
 - Commodity internet access



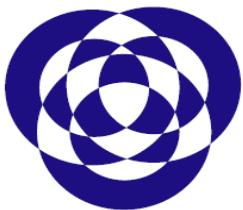
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Our Request of the Conference

The adoption of **projects** that will deliver **killer applications** for use on **C@ribNET** for the Region, chosen from:

1. A Regional Digital Library for Caribbean Tertiary institutions
2. Telemedicine and remote diagnosis from anywhere
3. Shared Student Information system for Tertiary Sector
4. Support for Virtual Classrooms for E-learning
5. Regional Tertiary Education Portal
6. Capacity building and development of communities of interests (**NRENs**)



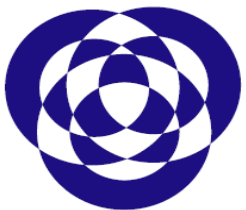
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Major Challenges Ahead

Sustainability of C@ribNET !!

Deployment of killer applications and
shared services with regional
relevance and use !

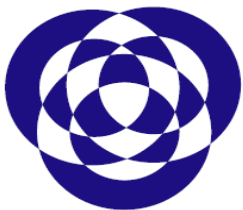


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Our Request of the CTC Conference

1. Acknowledge the milestone achievement in connecting the Caribbean Education and Research Community through **C@ribNET**
2. Make a declaration of the strategic importance of **C@ribNET** in contributing to the connect the Caribbean Agenda
3. Commit support for assisting the CKLN in the provision of shared services to the education and public institutions and sustainability of the network

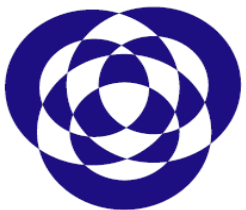


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ITU Connect the Caribbean

THANK YOU!



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