

C@ribNET



CKLN

Caribbean Knowledge
and Learning Network

**C@ribNET: Supporting the
Caribbean's Single ICT Space**

Presented by Ken Sylvester, CEO, CKLN



Agenda

1. How C@ribNET support the vision of a Single ICT Space for the Region
2. Deliverables to date
3. The Need for Public Private Partnership for the sustainability of C@ribNET
4. The Way forward



Bridging the Digital Divide in Education and Research

C@ribNET was built with a grant of Euros10.00 million from the European to bridge the digital divide that existed between the Caribbean and the rest of the world in Education and Research

The Caribbean Knowledge and Learning Network Agency, an Intergovernmental Agency of CARICOM came into to being to design, build, operate and manage the network





- MIAMI
- JAMAICA
- DOMINICAN REPUBLIC
- TRINIDAD & TOBAGO
- ANGUILLA
- ANTIGUA
- BRITISH VIRGIN ISLANDS
- DOMINICA
- GRENADA
- MONTSERAT
- ST KITTS & NEVIS
- ST LUCIA
- ST VINCENT
- BARBADOS
- BAHAMAS
- BELIZE
- BERMUDA
- CAYMAN ISLANDS
- CUBA
- FRENCH DOMS.
- GUYANA
- HAITI
- SURINAME



C@ribNET: Regional Broadband Network/ e-infrastructure, engineered to:

Provide “**A Single Virtual Space**” for all 15 CARICOM countries in the areas of:

- ❖ *Education, Research, Health, Security*
- ❖ Regional Knowledge Management
- ❖ Global IT services delivery (commodity Internet, virtual Libraries)
- ❖ Functional cooperation between CARICOM and other National Agencies and sharing of ICT resources
- ❖ Bridging the “**Digital Divide**” between the Caribbean and the rest of the world in the areas **of global collaboration, research and sharing of expensive resources**



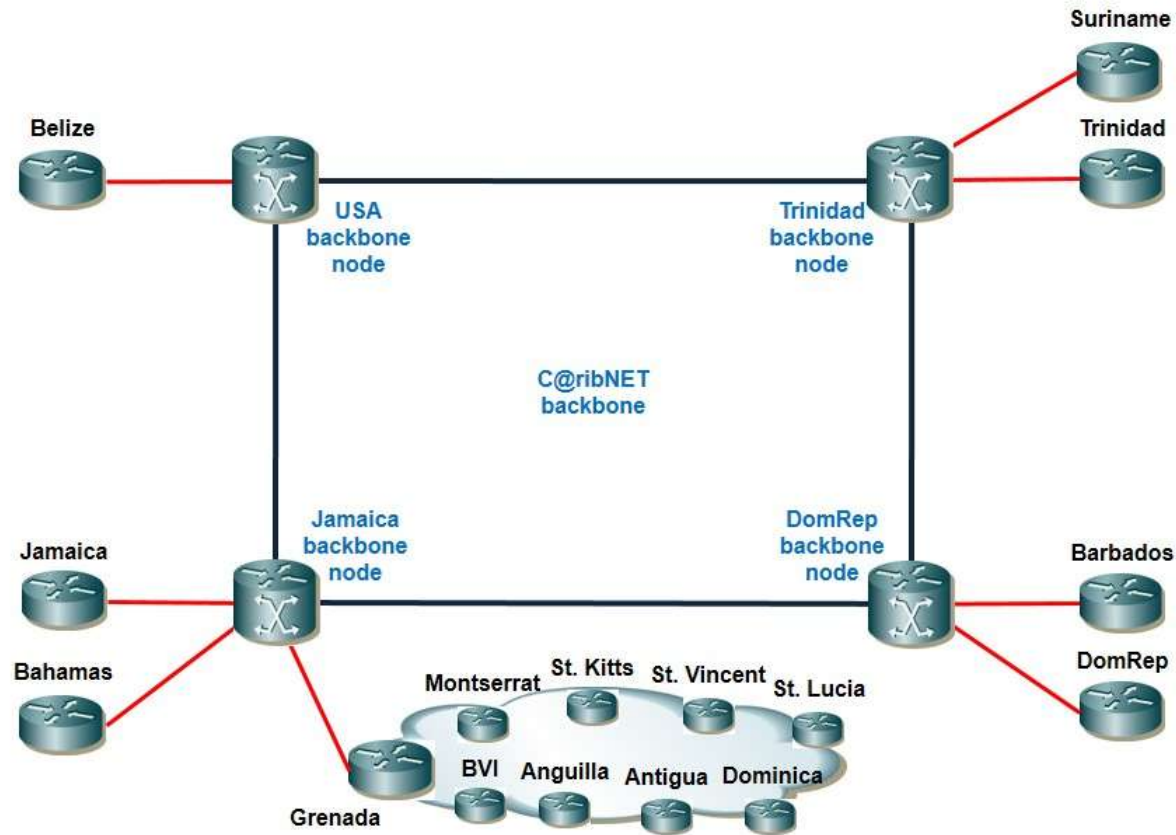
C@ribNET

C@ribNET is a **Public Good!!**

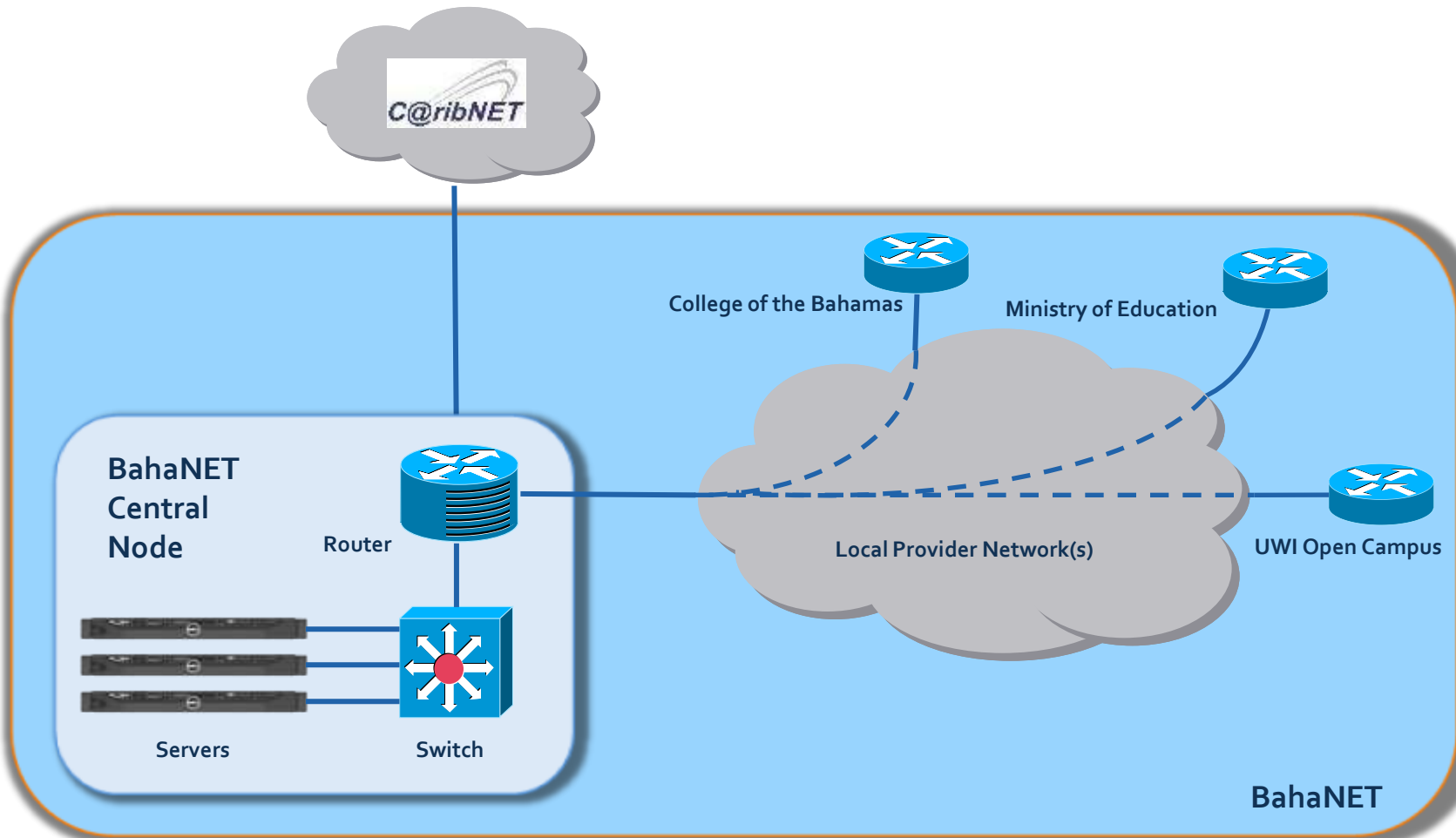
It is a closed network for its members



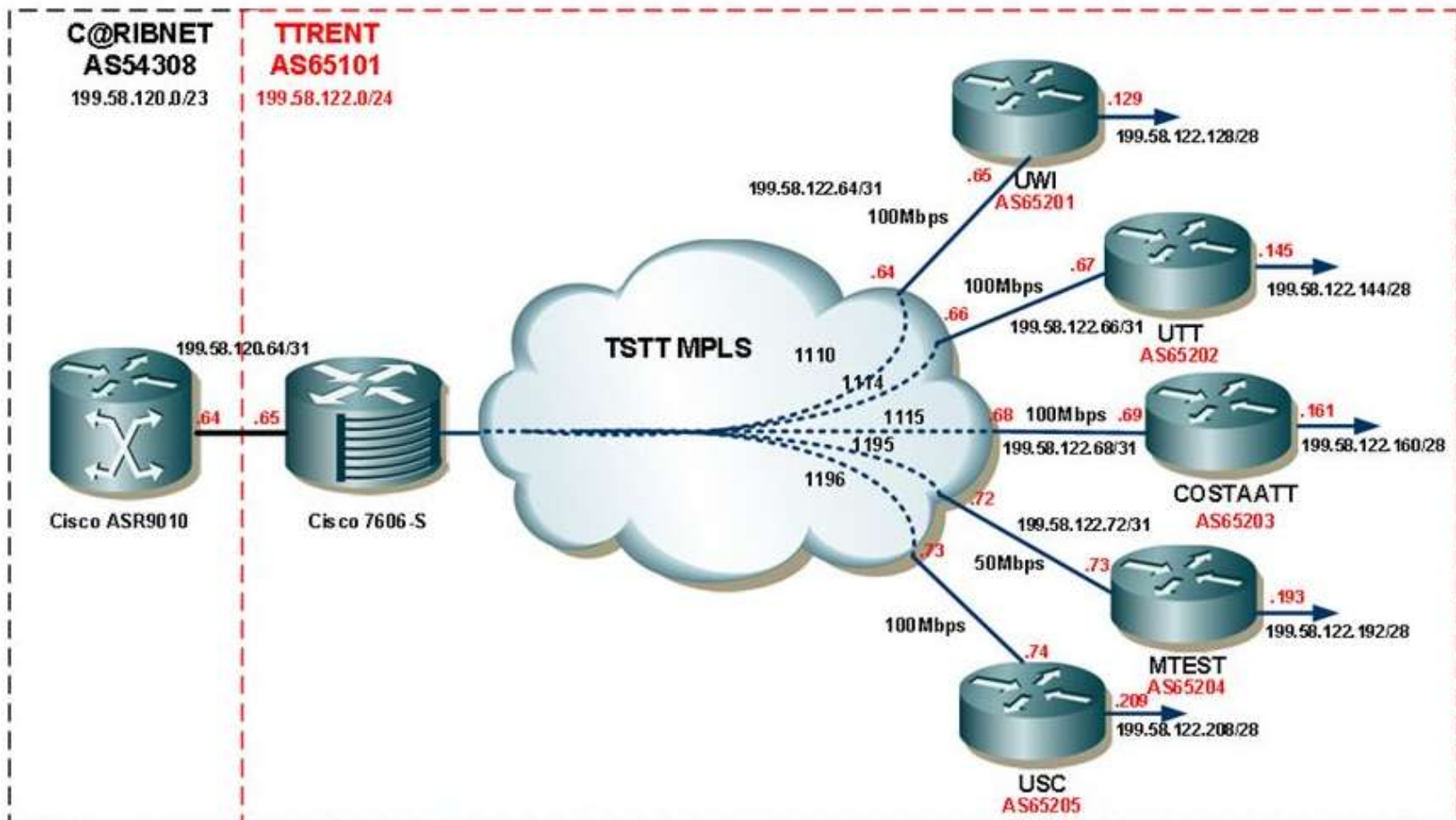
The Unique Architecture: Providing the Single Virtual Space



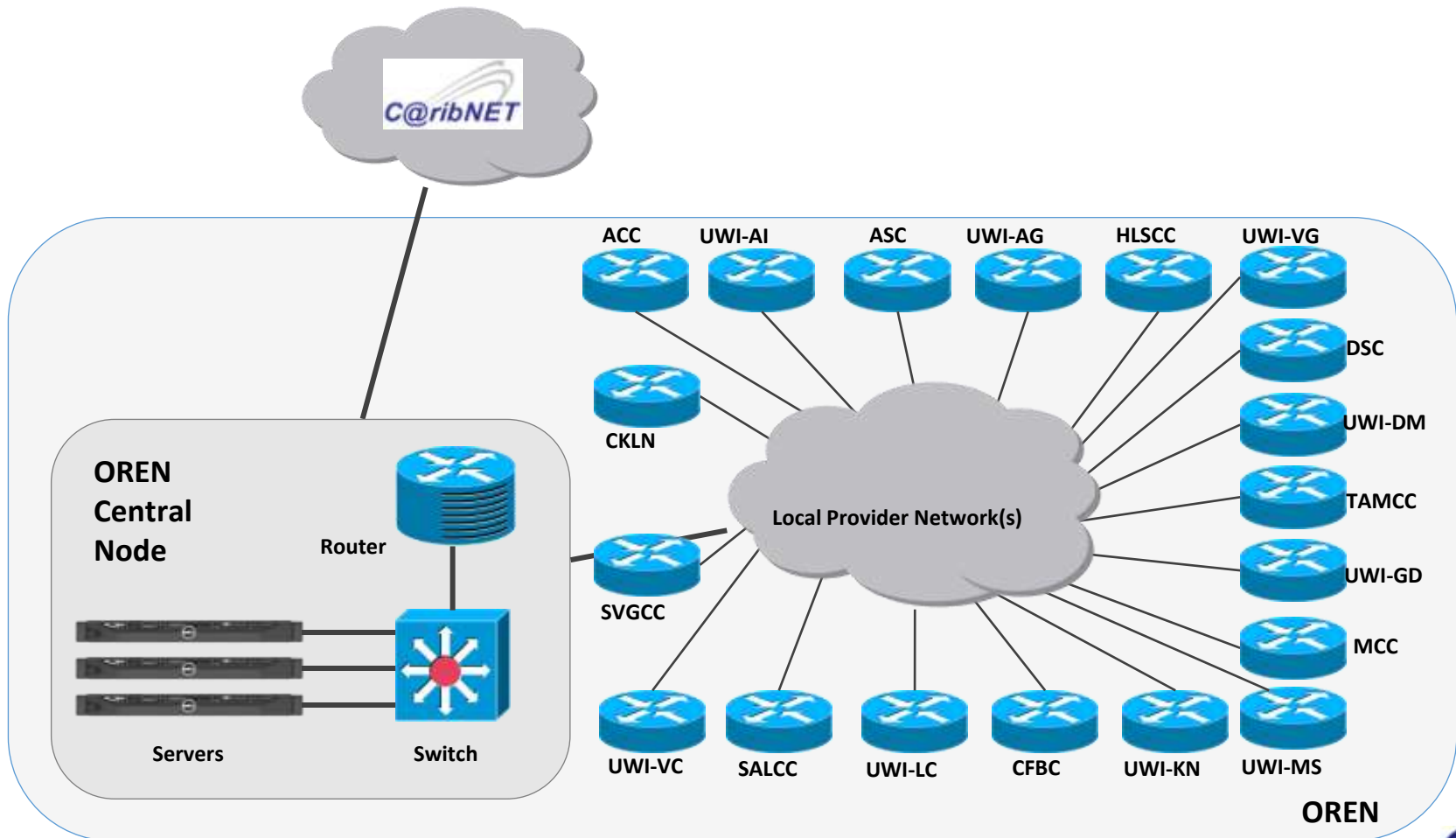
The Bahamas National Research & Education Network (BahaNET) Infrastructure



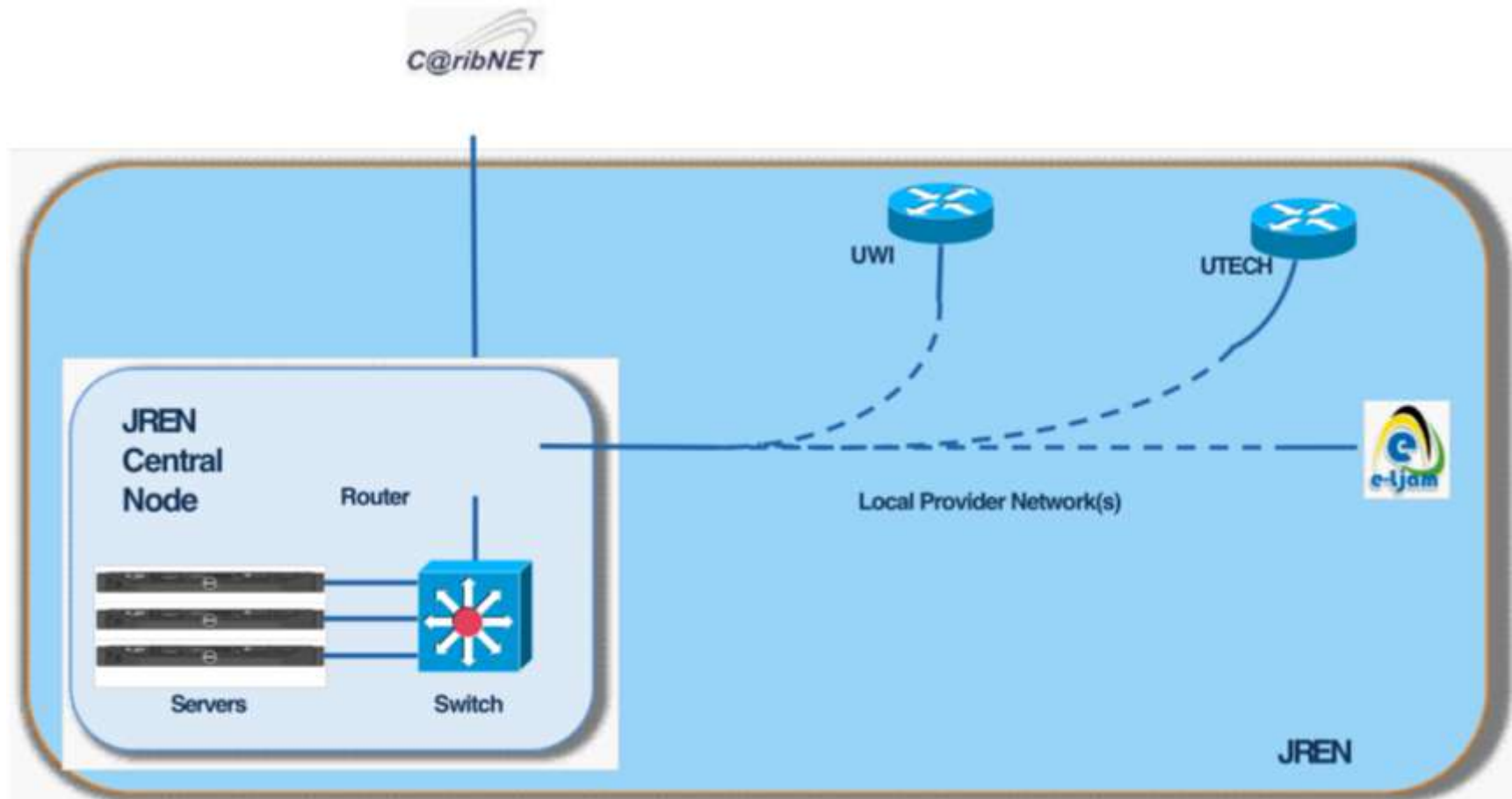
Trinidad and Tobago (NRENS)



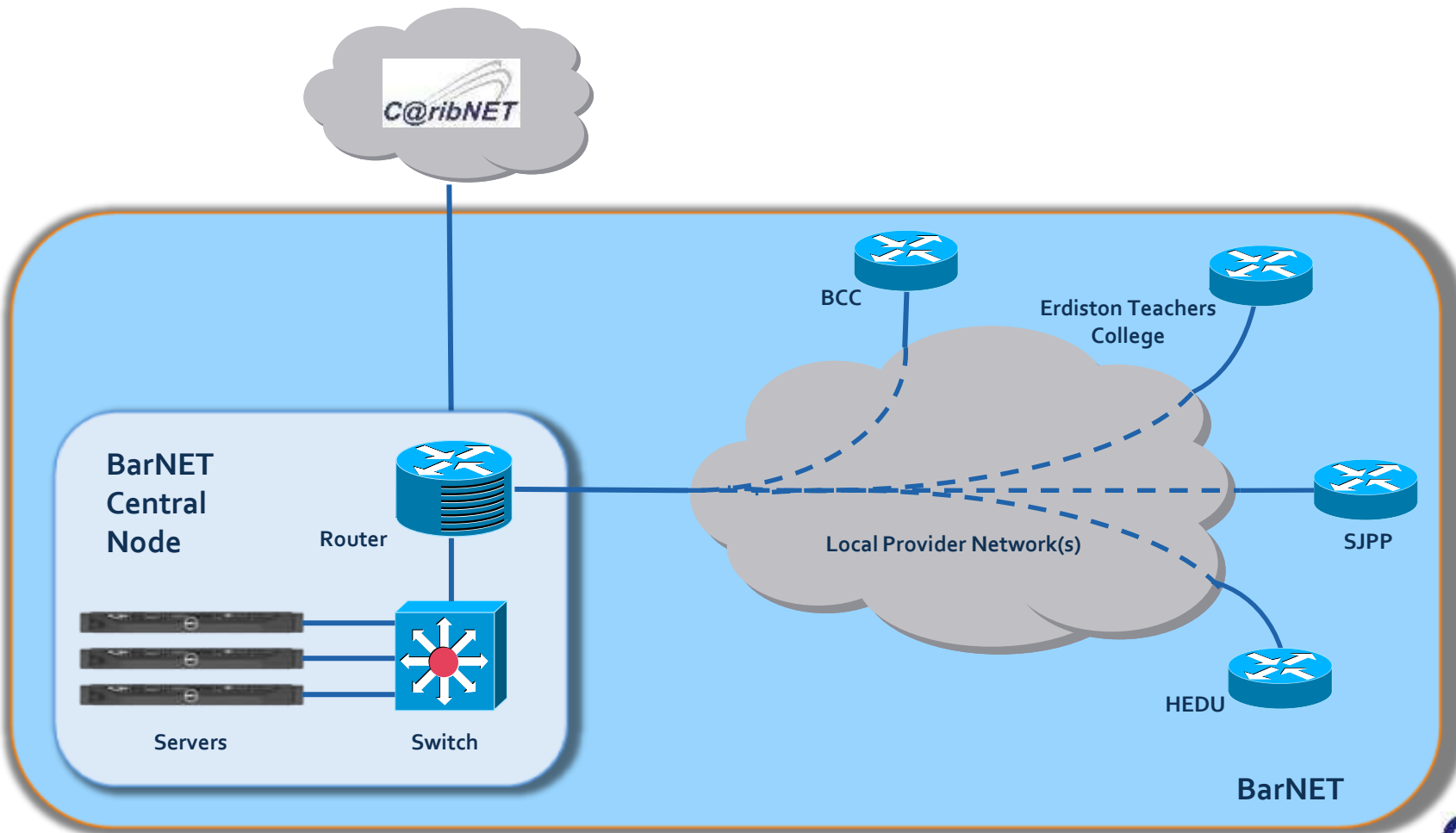
OECS (NRENS)



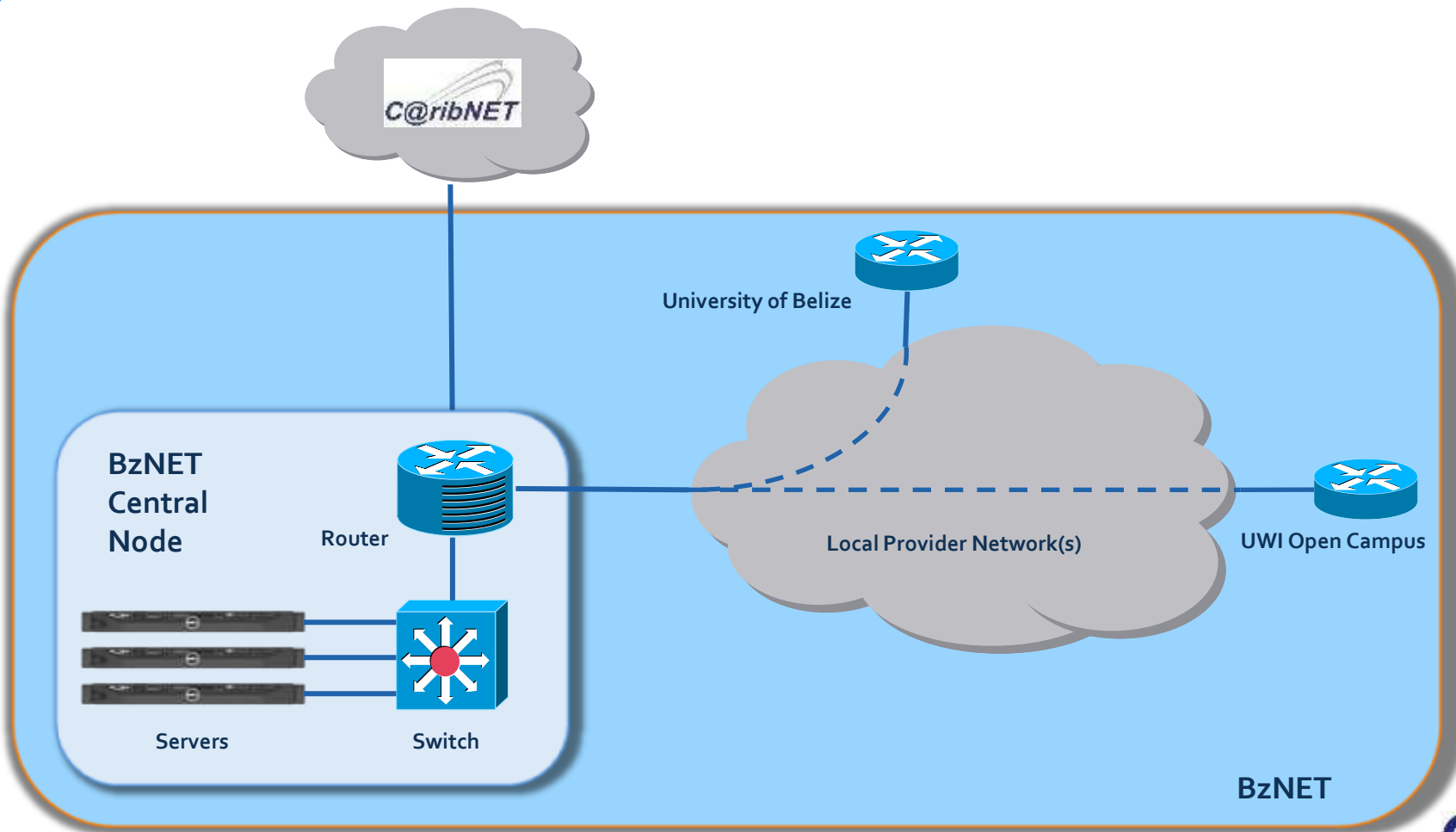
Jamaica (NRENS)



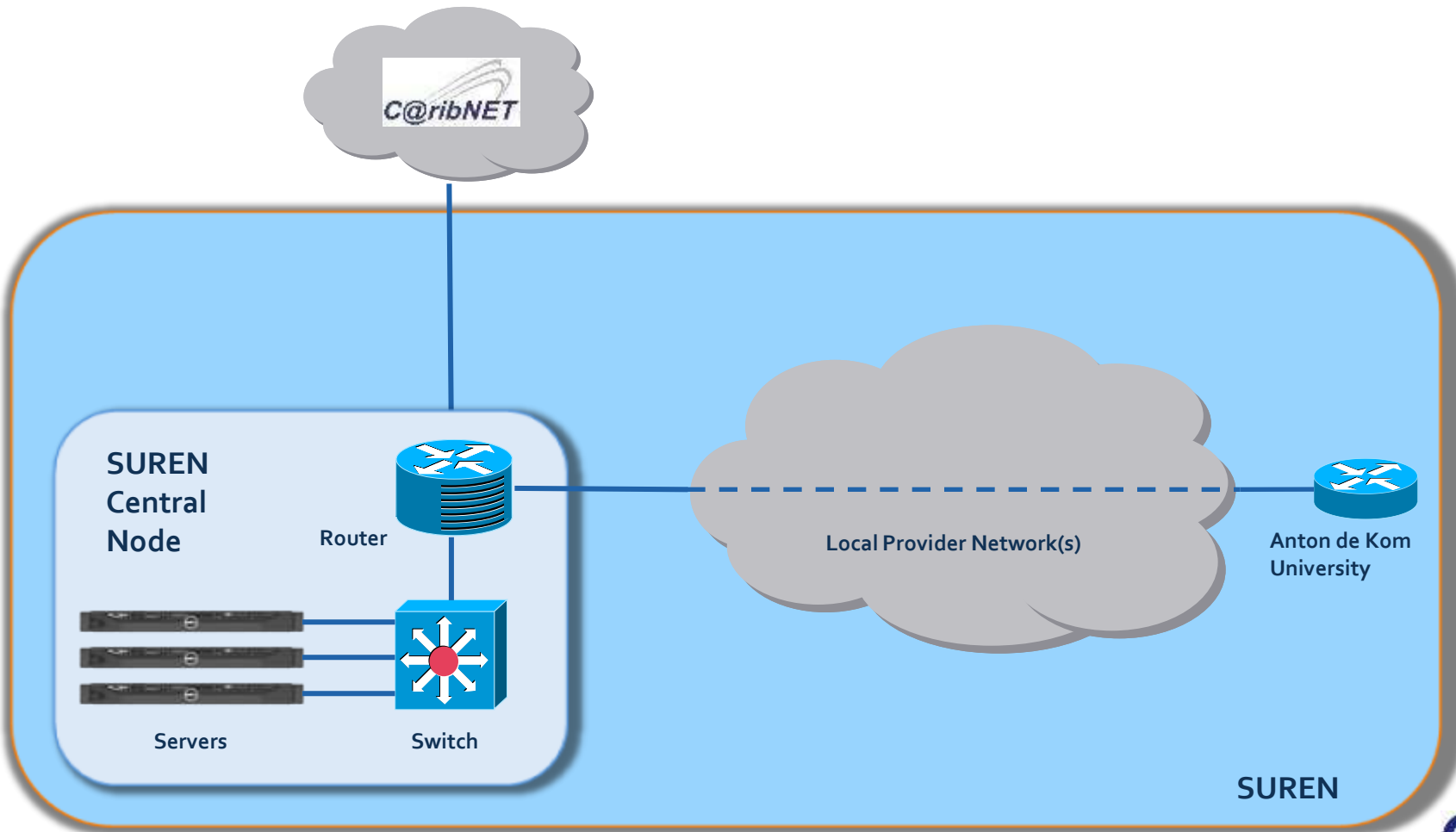
Barbados's National Research & Education Network Infrastructure



Belize National Research & Education Network (BzNET) Infrastructure



Suriname National Research & Education Network (SUREN) Infrastructure

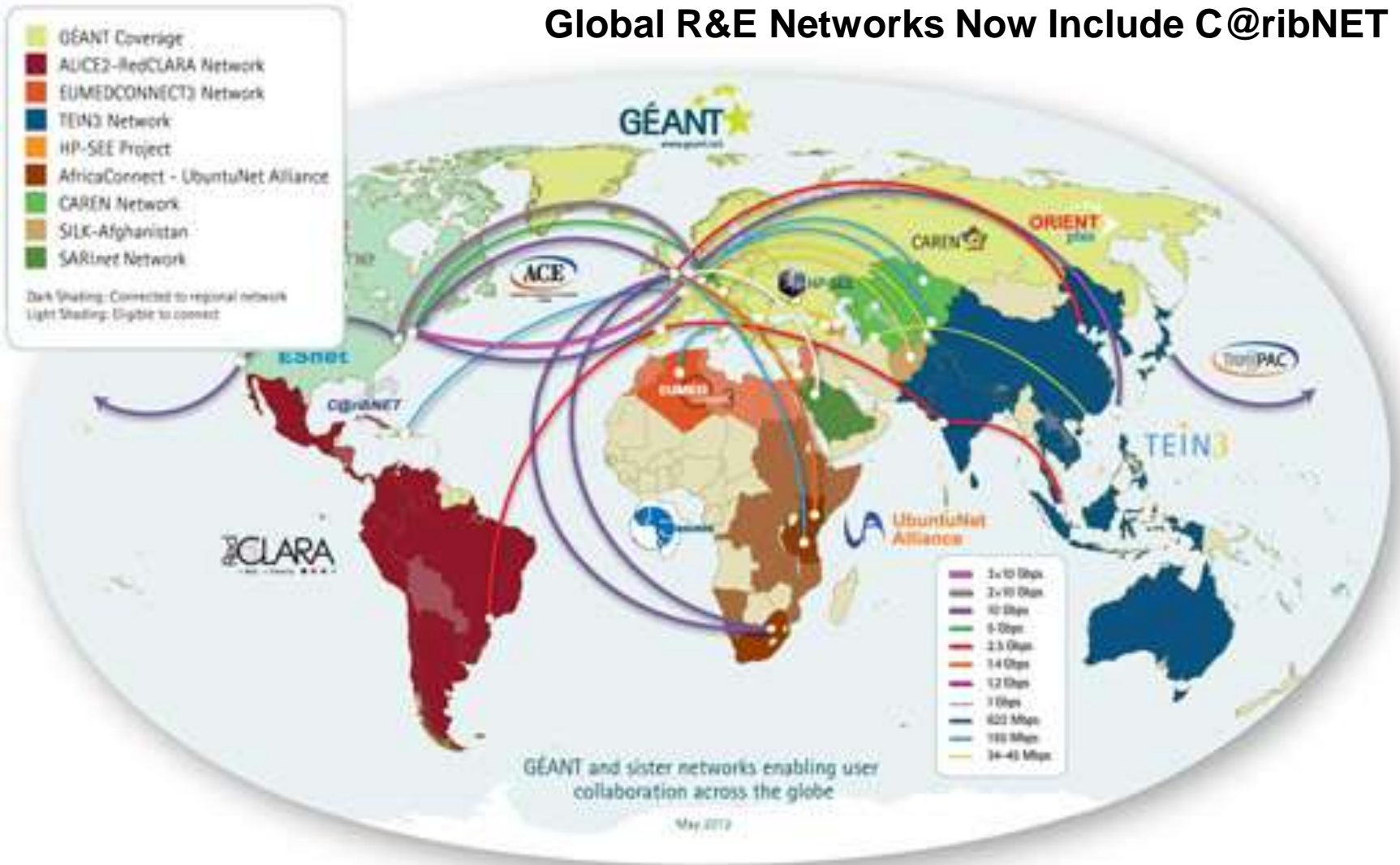


Bridging the Digital Divide

Global R&E Networks Prior to 2012

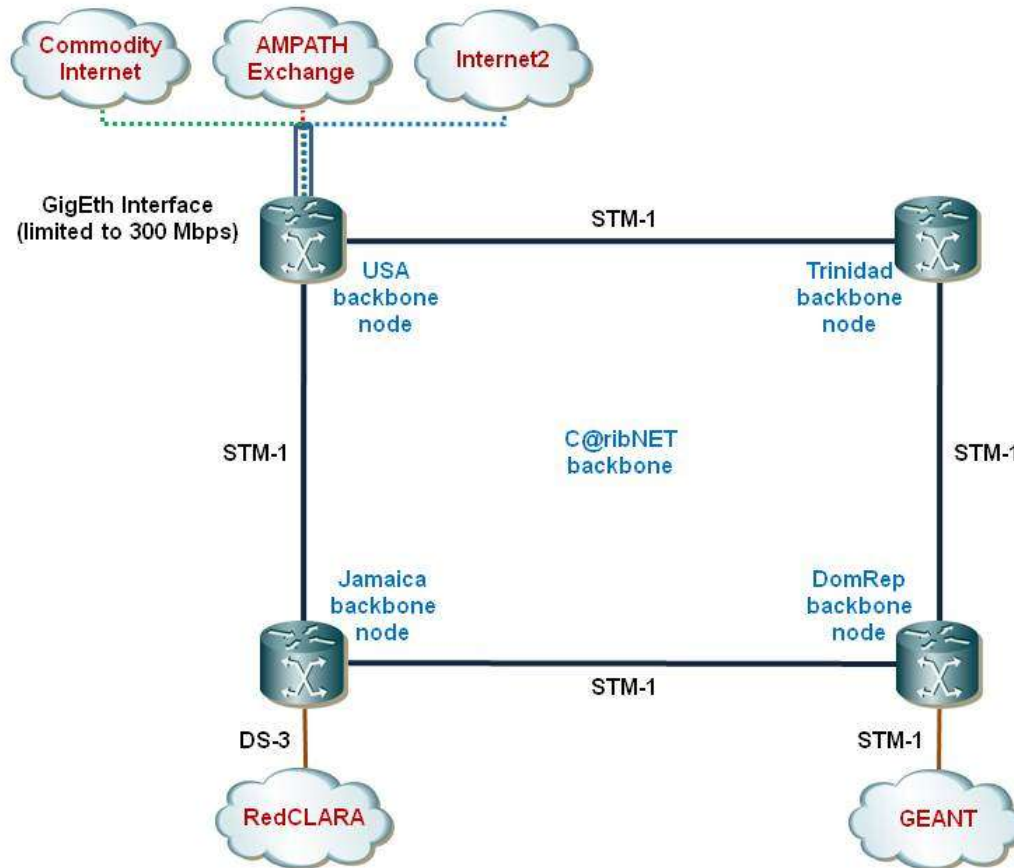


Global R&E Networks Now Include C@ribNET



C@ribNET: International Peering

(Bridging the Digital divide in Education and Research)



Results to date

- × 1. **C@ribNET** is operational and functional in 13 countries with over 40 institutions connected.
- × 2. **Projects being implemented include:**
 - × The UWI Hugh Winter Tele health Project for teaching non-invasive surgery to UWI students regionally
 - × US State Department Police Academy project, connecting police Academies in 16 countries
 - × Aggregation of Commodity Internet to Tertiary Institutions
 - × Support for global Dengue Fever and Chikungonia Symposium
 - × Regional Portal for all CARICOM Agency



Benefits of C@ribNET

- × Supports the Integration process through working within a single space
- × Reduces costs of ICT services through aggregation
- × Providing access to Tertiary education to a significant number of Caribbean citizens who otherwise would not have the opportunity
- × Extend the reach and access to education assets and research in a structured manner regionally and globally
- × Reducing the costs of access to Tertiary education to a significant number of Caribbean students
- × Provides opportunities for innovation through collaboration and sharing



C@ribNET: The way ahead

- × Extend connectivity to Community and Teacher Training Colleges, Schools, Libraries, Hospitals, Research Centres,
- × Use of IRUs
- × Increase the C@ribNET Backbones to Gigabit speeds
- × Build Communities of Practice for content development



Barrier to success

× *High **costs** of Broadband in the Region compared to other countries in the world!*



Best Practice Business Model for Sustainability

× Private-Public-Partnership!



What we Need

- × *The CKLNA needs to start a conversation with the Telco Operators in the Region with a view to establish a Public-Private-Partnership arrangement that will help to secure the long term sustainability of C@ribNET*
- × *We need to protect the US\$15.00 million investment that has been made and ensure that we do not return to state of a digital divide!*
- × ***Can CANTO help frame a PPP with CKLNA?***





CKLN

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and Learning Network



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