



# *C@ribNET*



# **CKLN**

Caribbean Knowledge  
and Learning Network

**C@ribNET: Bridging the Digital  
Divide In Education, Research  
and Knowledge Sharing**

Presented by Ken Sylvester, CEO, CKLN

# ***The Caribbean Knowledge and Learning Network (CKLN)***

The Caribbean Knowledge and Learning Network Agency (CKLNA) an Intergovernmental Agency of CARICOM

# ***C@ribNET*: Regional Broadband Network/ e-infrastructure**

- ❖ ***C@ribNET*** was built from a grant of Euros10.00 million from the European to:
- ❖ Bridge the “***Digital Divide***” between the Caribbean and the rest of the world in the areas ***of global collaboration in Education, Research and Knowledge Sharing***
- ❖ Fueling the Transformation of the Caribbean to ***Knowledgebase Societies and Economies*** making the Region more globally competitive
- ❖ ***This is a WISIS Goal !***

# Research and Education Network (RRENS/NRENS)

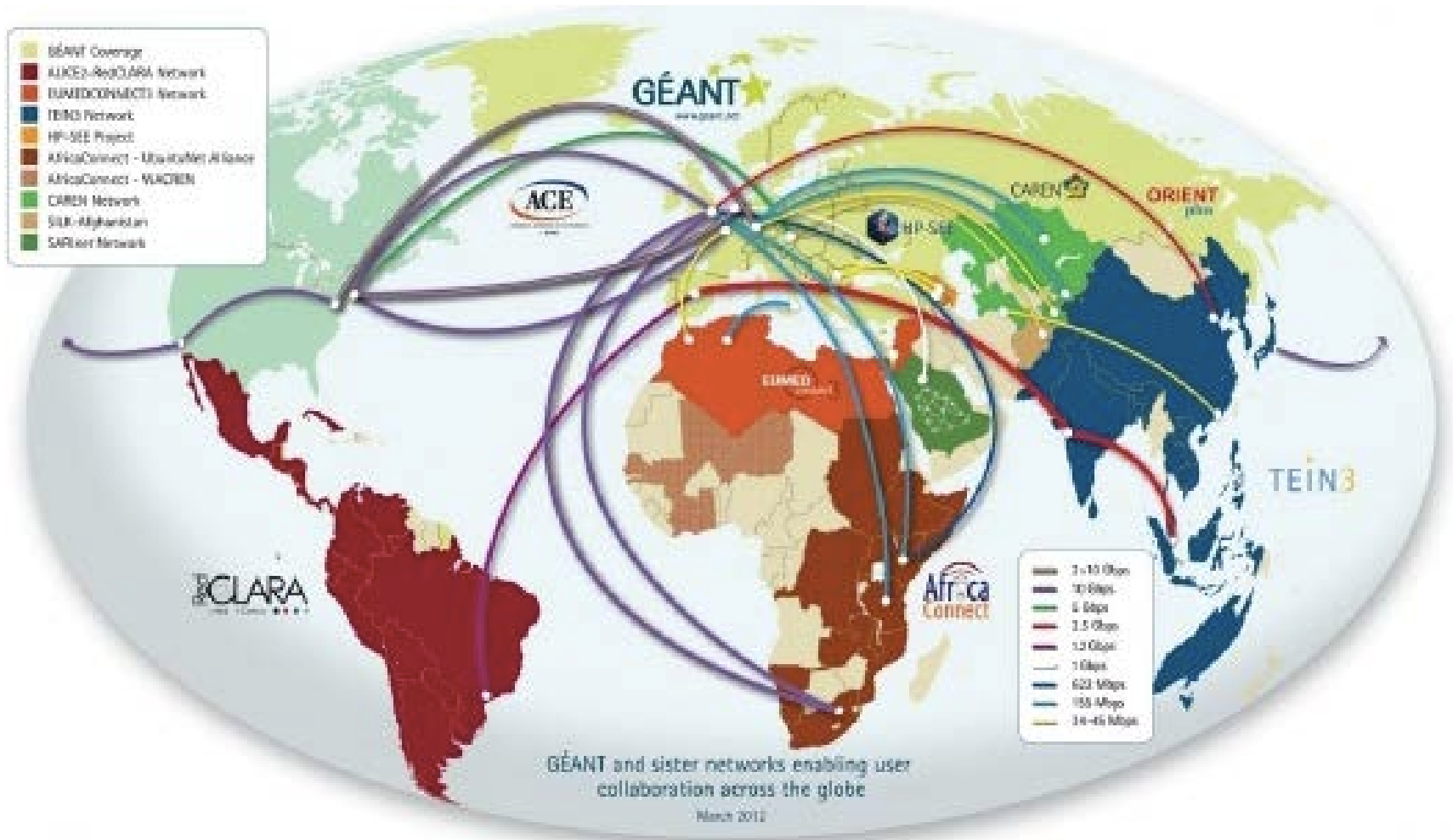
A **Research and Education Network (RREN/NREN)** is a specialised broadband closed user group network, dedicated to supporting the needs of the education and research communities within a country, regionally and internationally

It is usually distinguished by support for a high-speed [backbone network](#), offering dedicated channels to institutions connected to the network

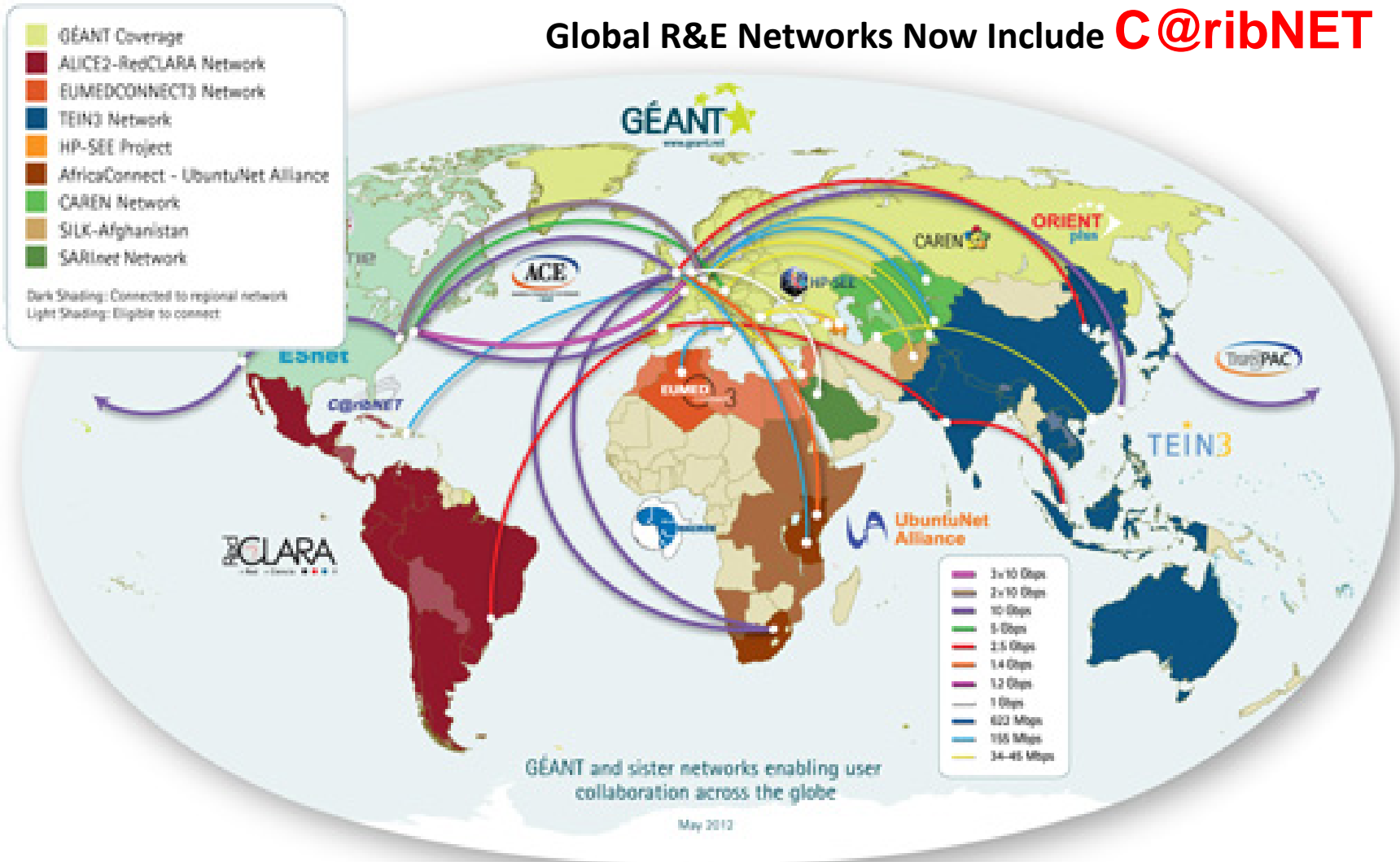
It typically serves Universities, Colleges, Schools, Hospitals, Libraries, Research centres etc

# Bridging the Digital Divide

## Global R&E Networks Prior to 2012



# Global R&E Networks Now Include **C@ribNET**



# GLOBAL RESEARCH AND EDUCATION NETWORK

## REGION

Europe

Asia-Pacific

Latin America

Africa

USA

Caribbean

## NETWORK

GEANT

APAN

redCLARA

UBUNTUNET

INTERNET 2

C@ribNET

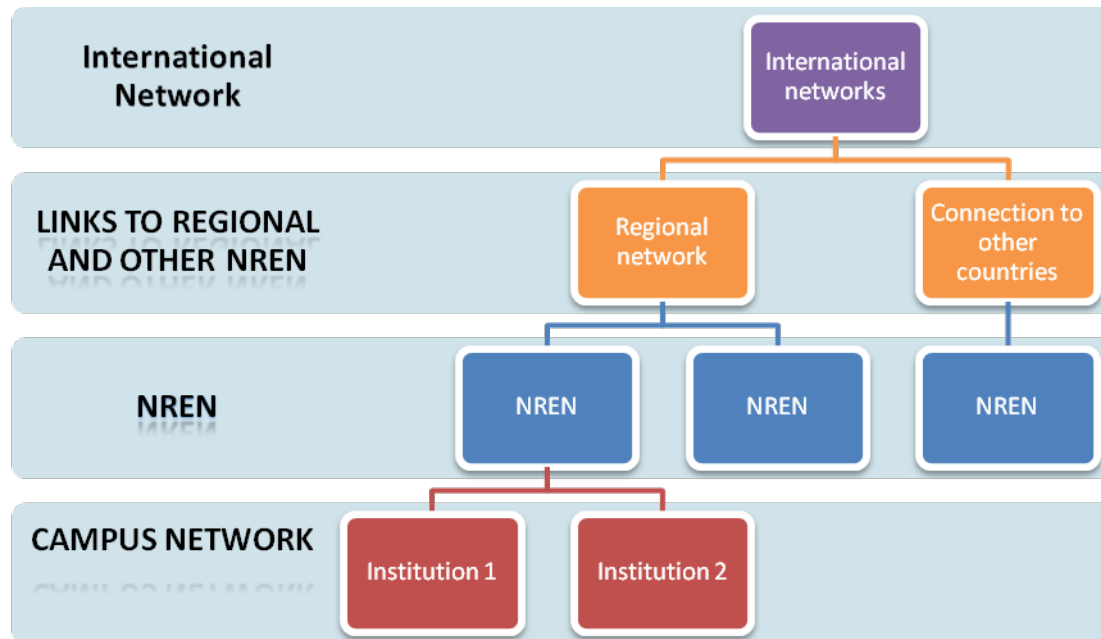


- MIAMI
- JAMAICA
- DOMINICAN REPUBLIC
- TRINIDAD & TOBAGO
- ANGUILLA
- ANTIGUA
- BRITISH VIRGIN ISLANDS
- DOMINICA
- GRENADA
- MONTSERAT
- ST KITTS & NEVIS
- ST LUCIA
- ST VINCENT
- BARBADOS
- BAHAMAS
- BELIZE
- BERMUDA
- CAYMAN ISLANDS
- CUBA
- FRENCH DOMS.
- GUYANA
- HAITI
- SURINAME





# Building Blocks of Research and Education Connectivity



# GLOBAL RESEARCH & EDUCATION NETWORKS (NRENS)

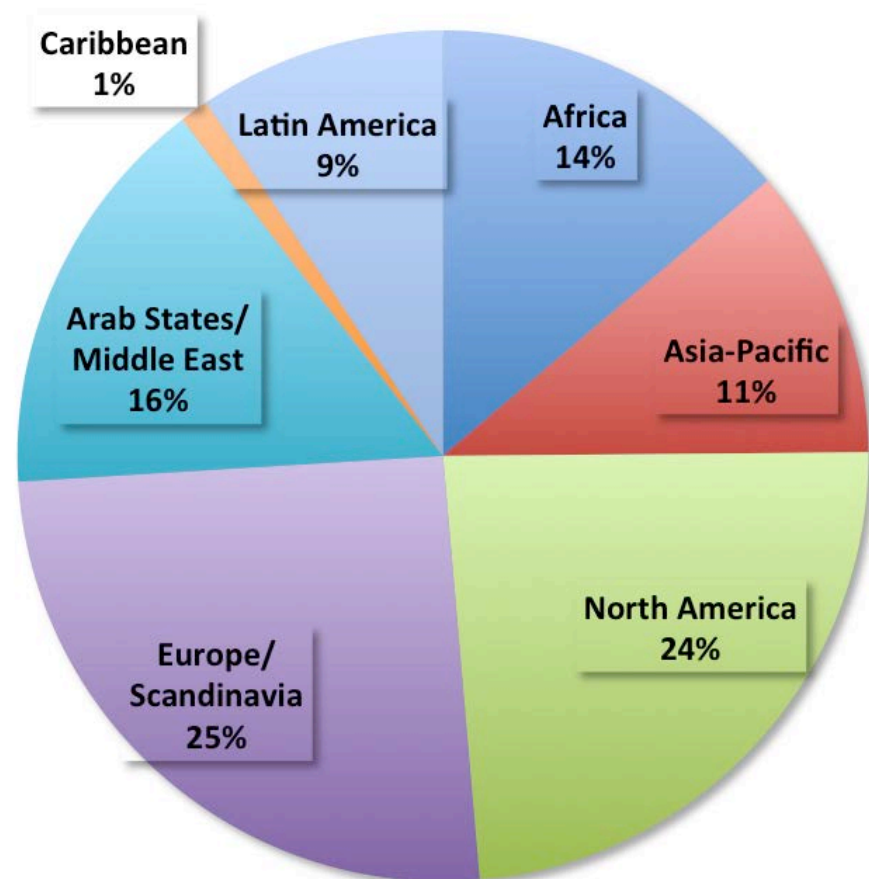
## With EXISTING Caribbean REN and NRENS

Over 150 NRENS globally



### Caribbean REN and NREN

1. C@ribNET
2. RADEI – Dominican Advanced Network for Education & Investigation, Dominican Republic



# The Caribbean

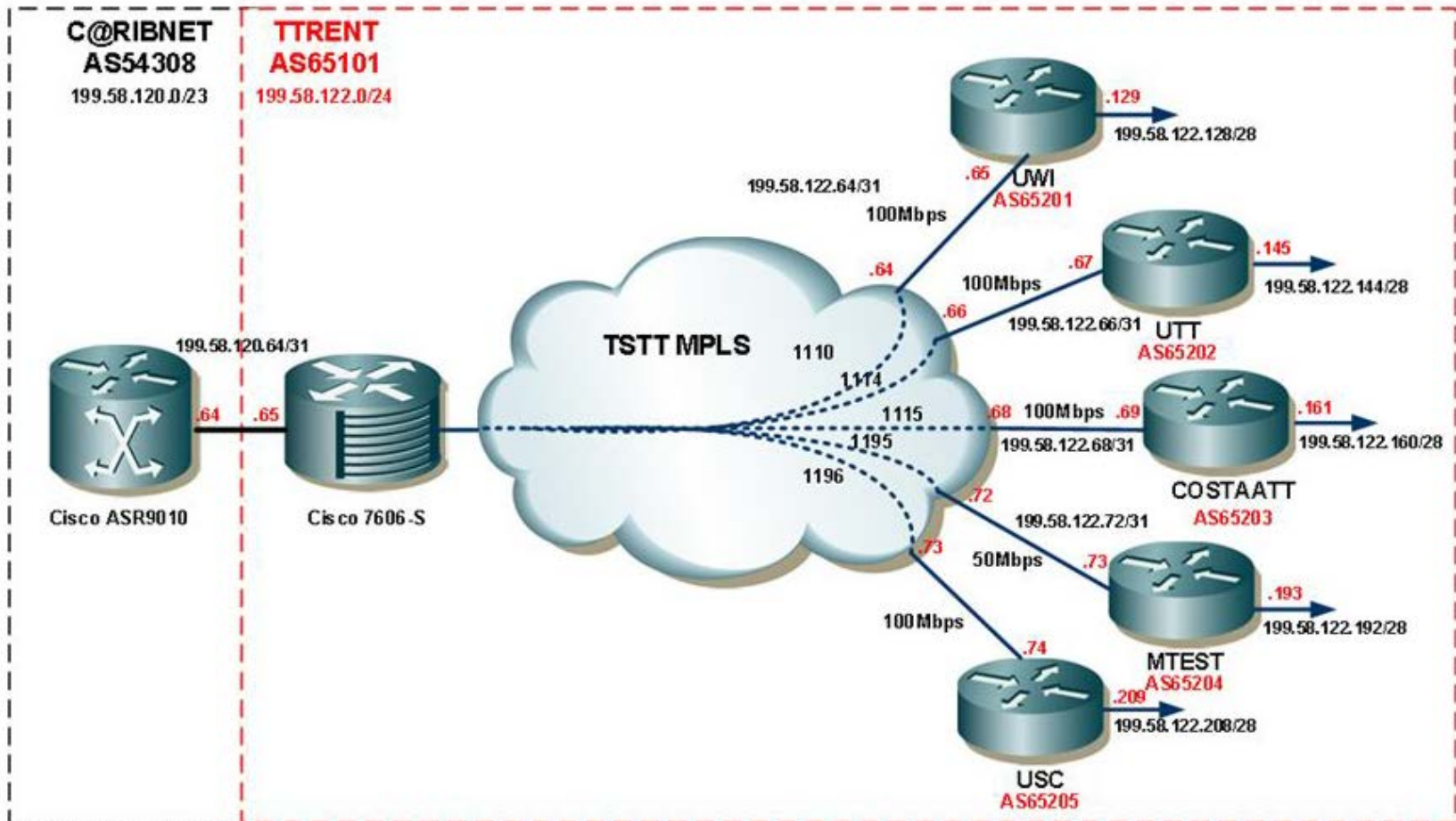


1. **C@ribNET** – The Caribbean Research and Education Network
2. **RADEI** – Dominican Advanced Network for Education & Investigation - Dominican Republic

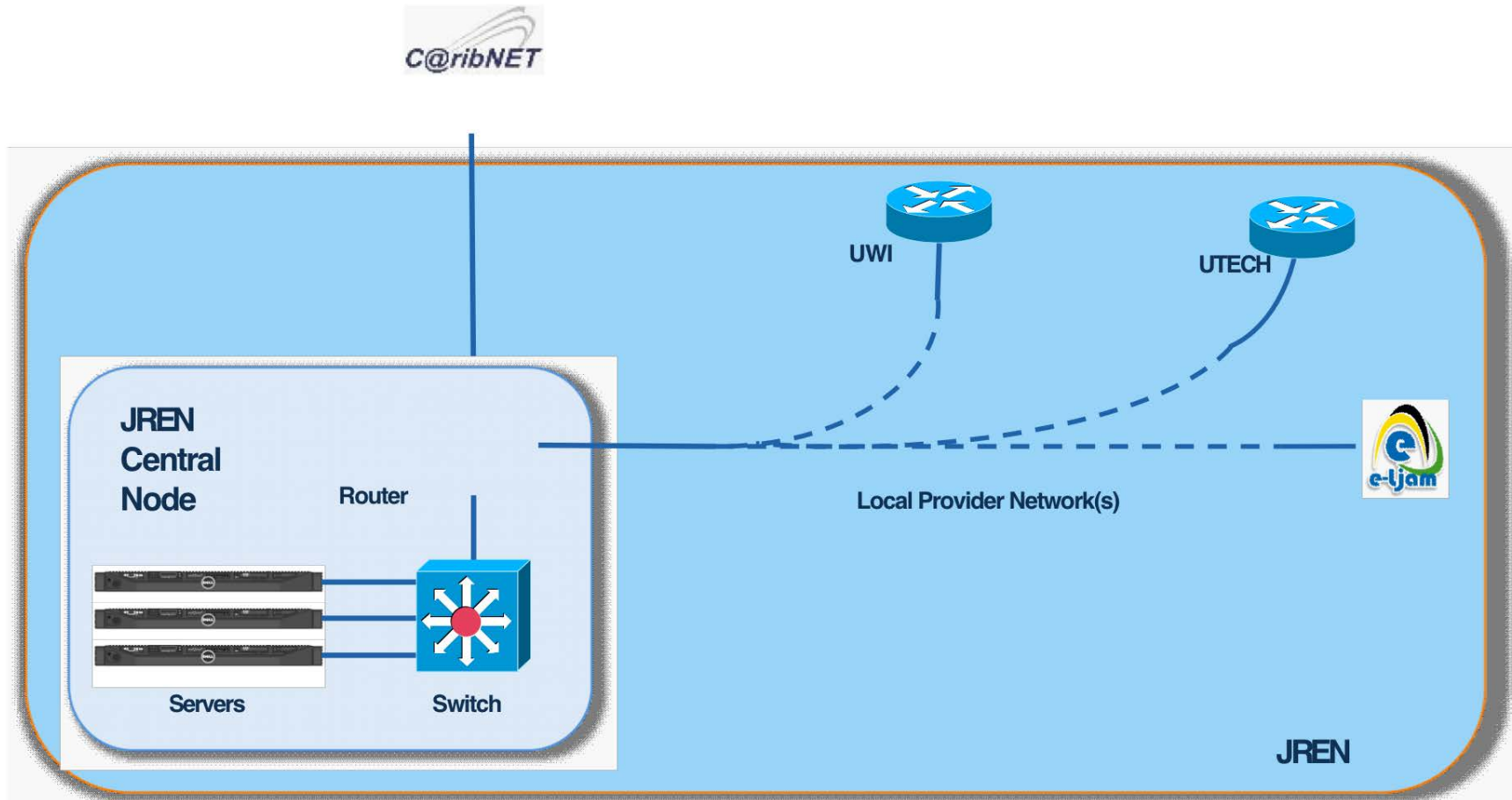
## Emerging Caribbean NRENs

1. JREN - Jamaica
2. TTRENT – Trinidad & Tobago
3. BAJENET - Barbados
4. BAHAREN - Bahamas
5. OREN – Eastern Caribbean States
6. BELREN - Belize
7. SURNET - Suriname
8. COPUHRA - Haiti

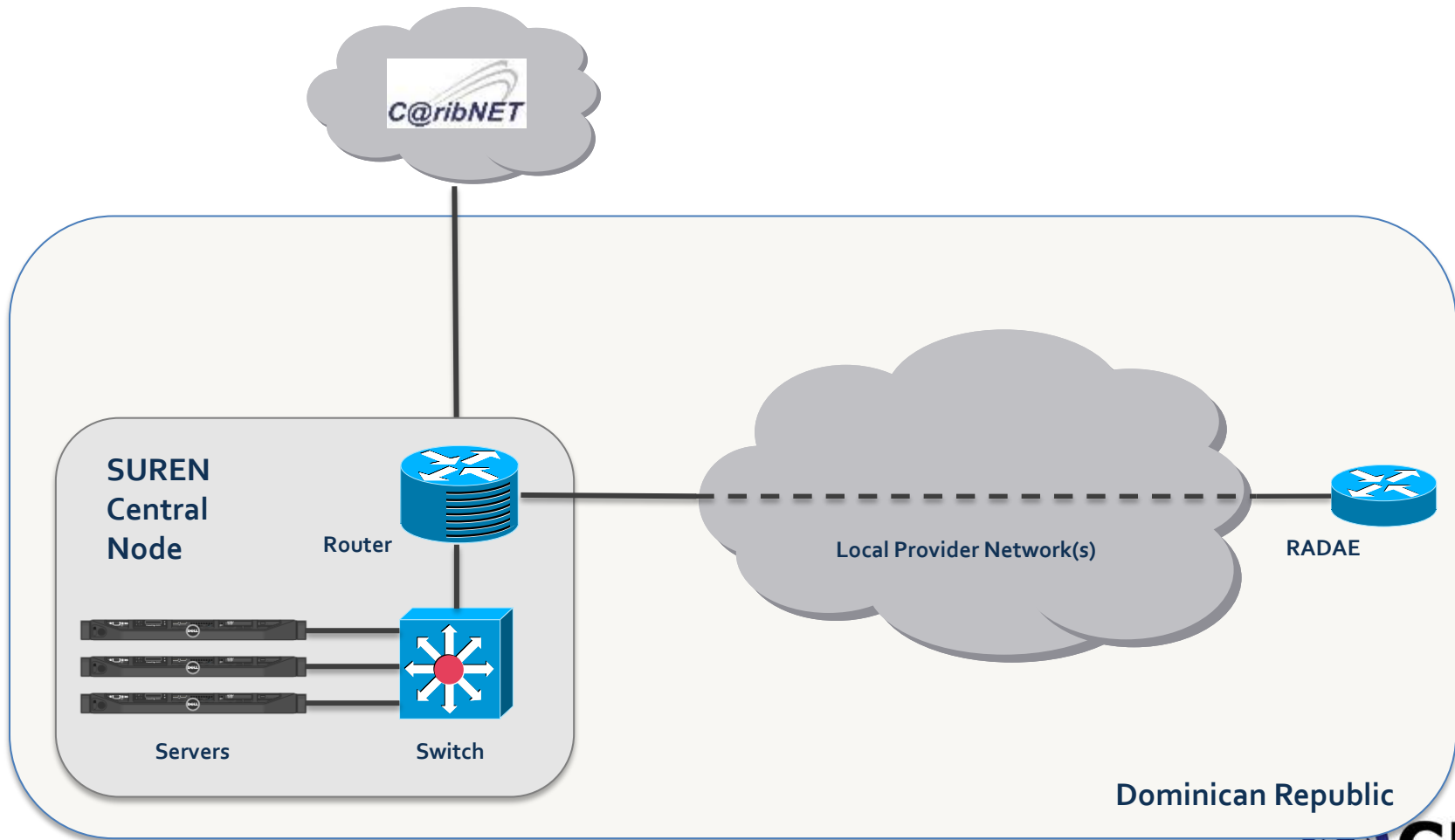
# Trinidad and Tobago (NRENS)



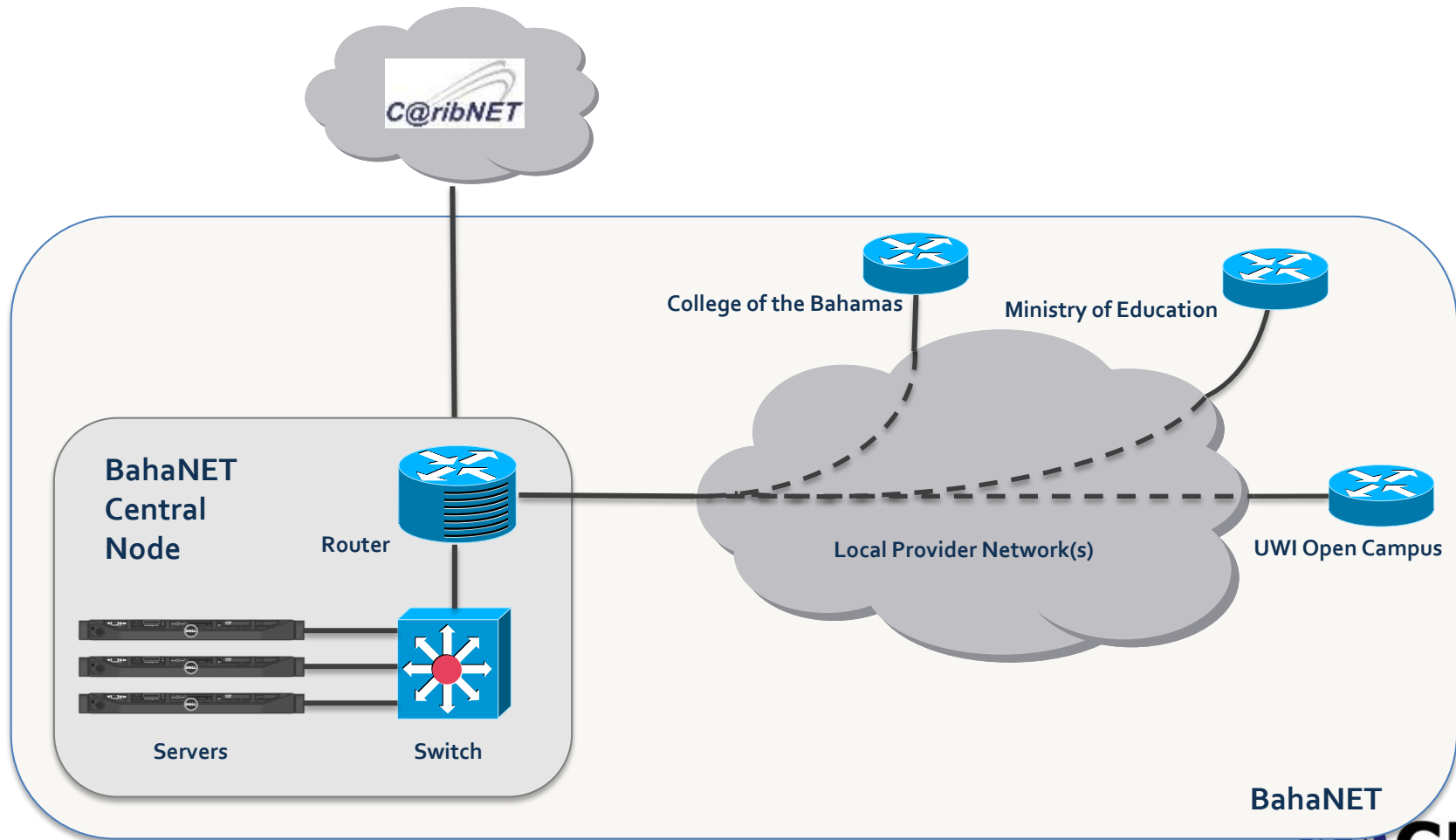
# Jamaica (NRENS)



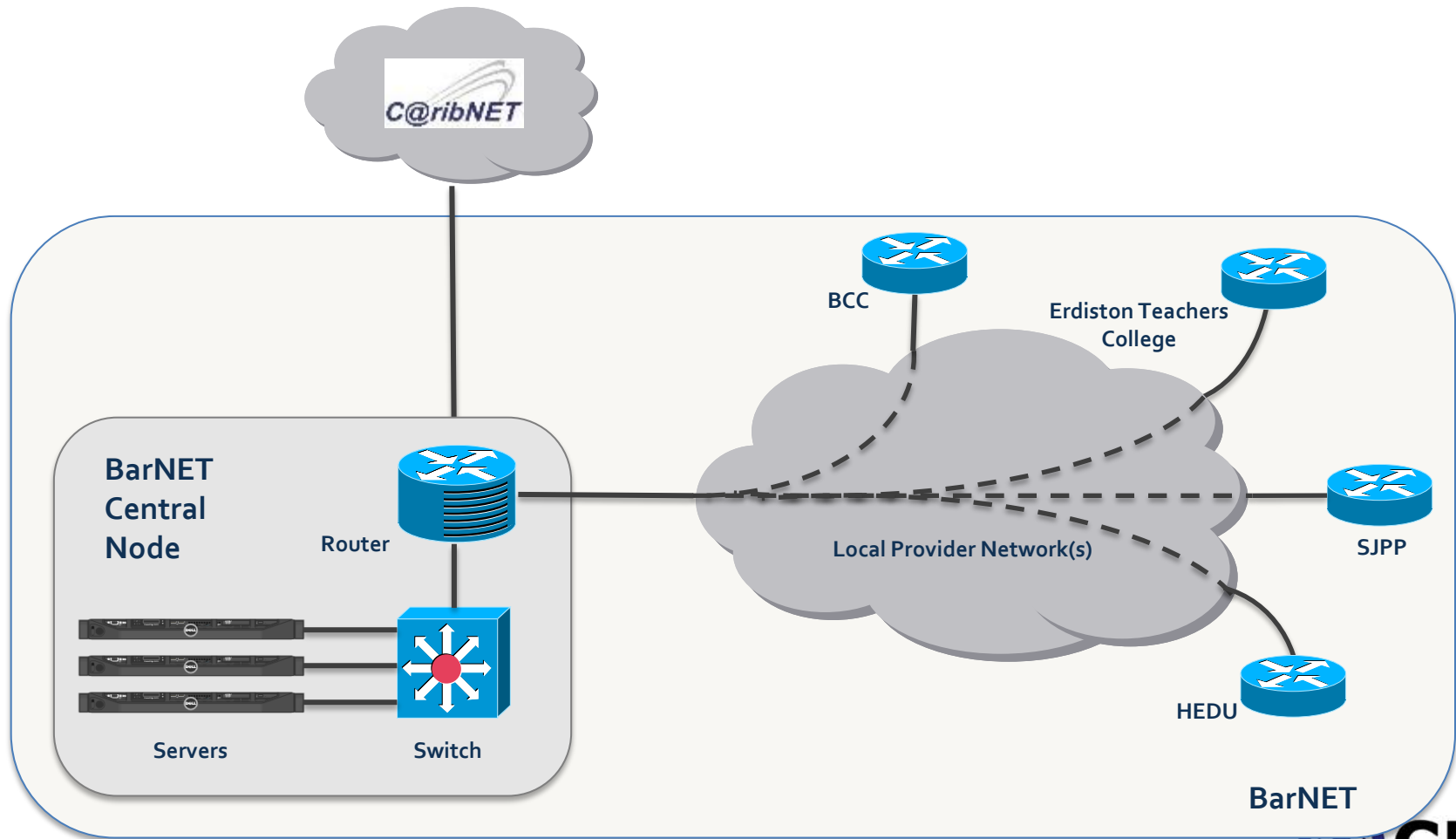
# Dominican Republic National Research & Education Network (RADAE) Infrastructure



# The Bahamas National Research & Education Network (BahaNET) Infrastructure

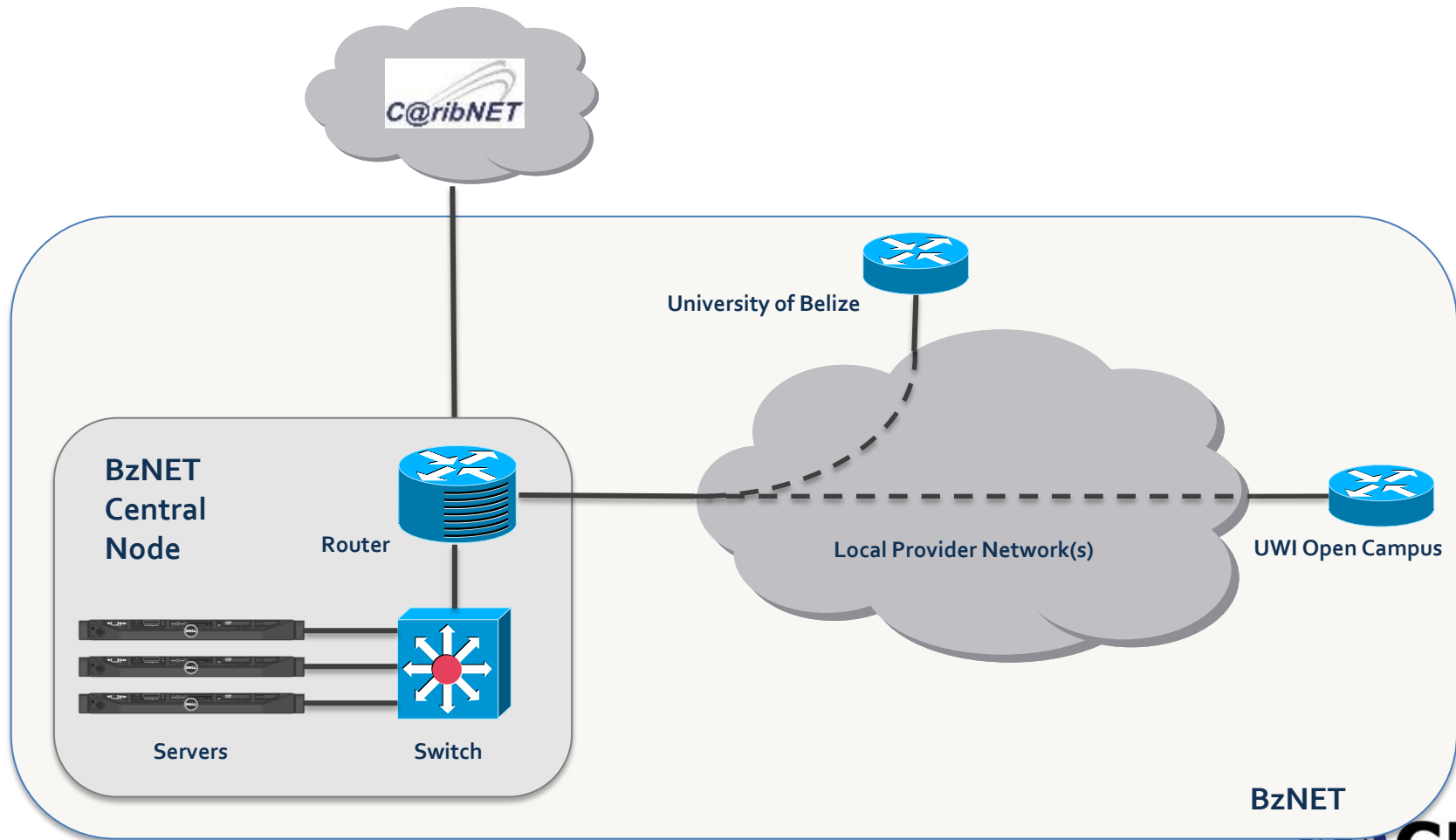


# Barbados's National Research & Education Network Infrastructure

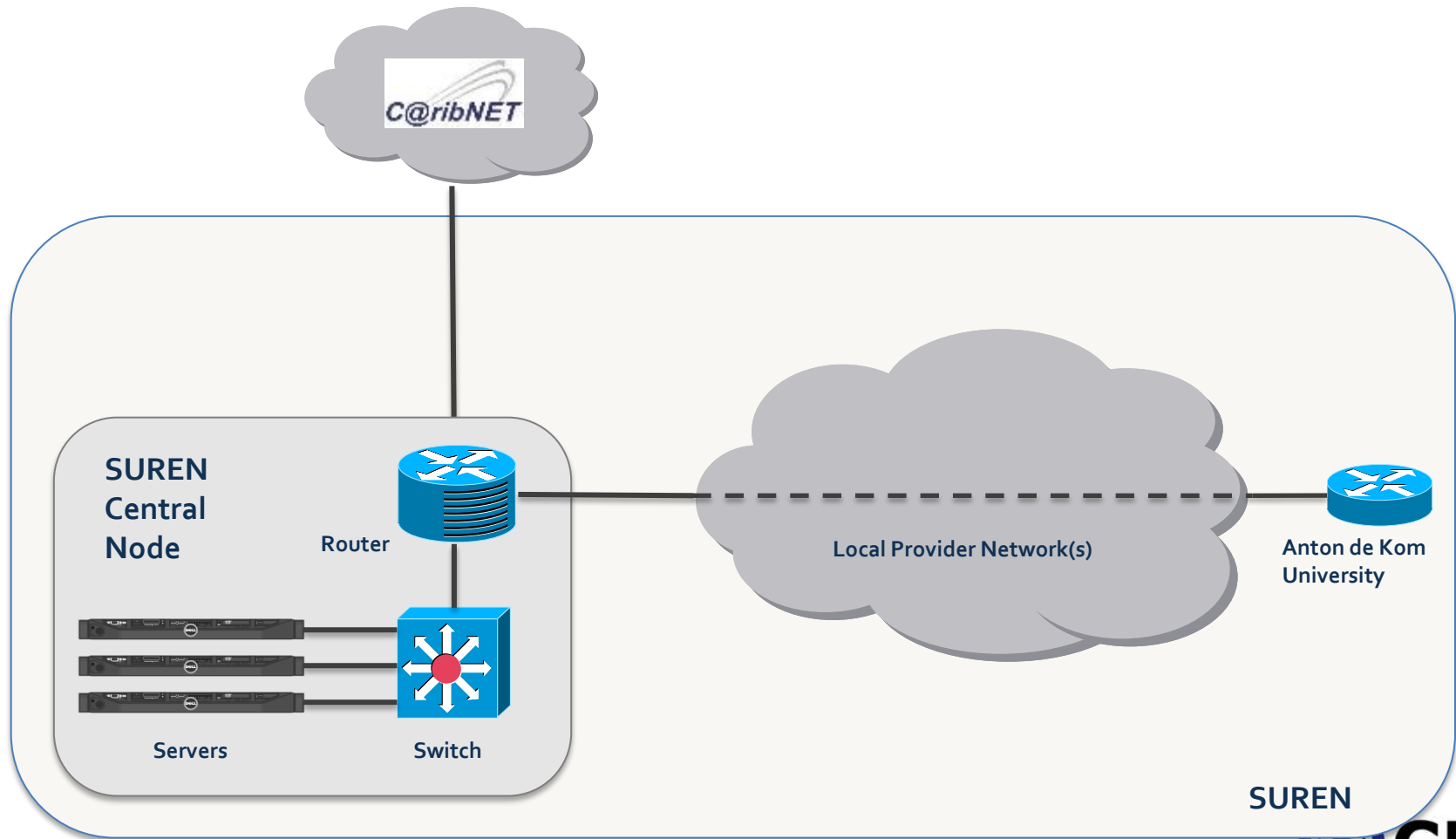




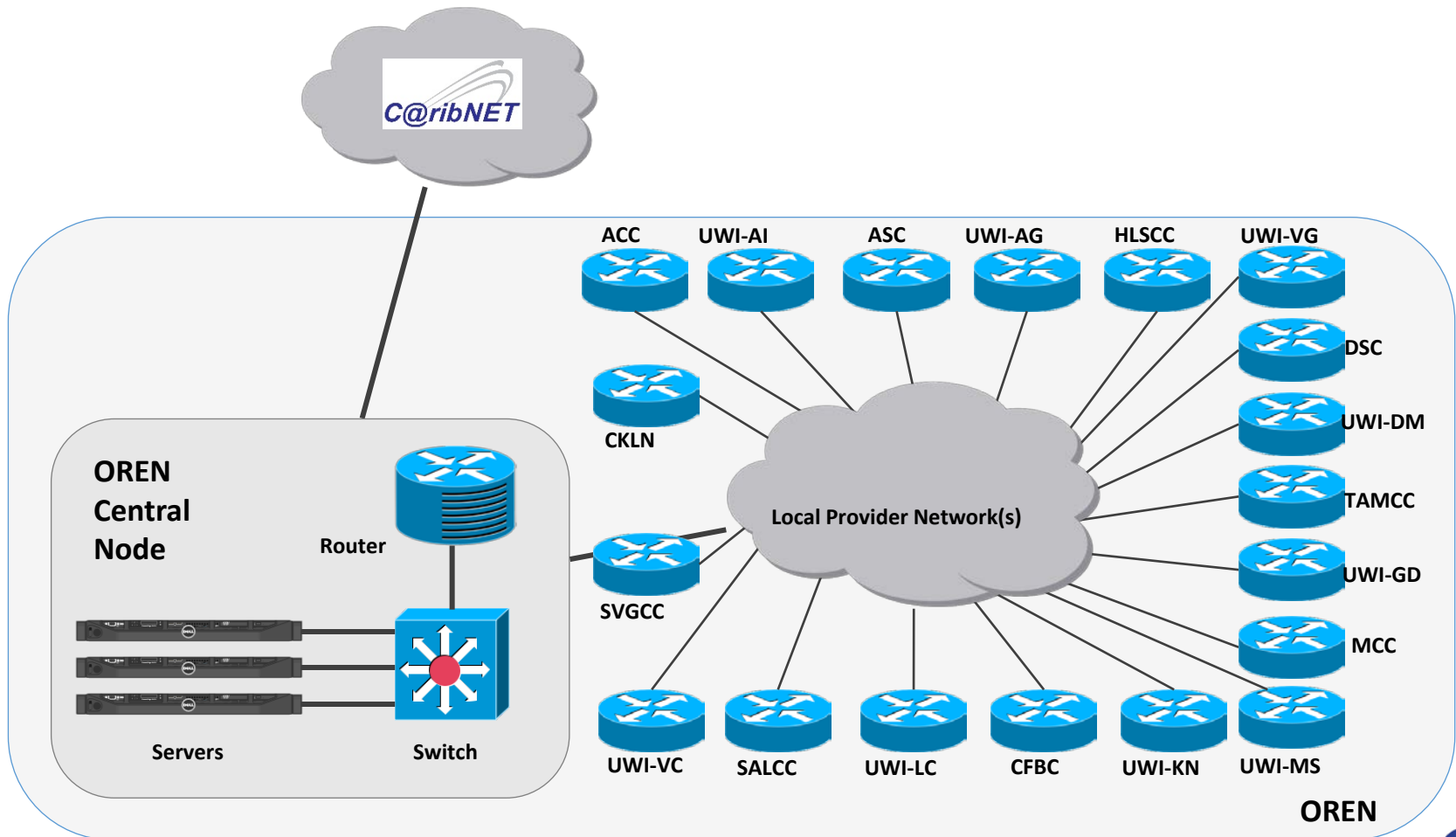
# Belize National Research & Education Network (BzNET) Infrastructure



# Suriname National Research & Education Network (SUREN) Infrastructure



# OECS (NRENS)



# Achievements

# Risks and Challenges

- Network links were programmed to be funded for 3.75 from EU funding:
- Network links funded up to February 2015: Mainly because of the high costs of broadband in the Region compared with the rest of the world. 15 times more expensive than the US and Europe
- Possible new project for continued support for C@ribNET with the EU not possible until 2016
- Funding gap for network links of US\$1.5 million between February 2015 and February 2016
- EU has no programmatic mechanism to bridge the funding gap above
- **Have not identified funding to bridge the gap!!!**
- **Can the ITU help?**

# Sustainability

- The EU, in its Summative Evaluation of the C@ribNET project to date has proposed a sustainability strategy for the network from 2016 and beyond

*We cannot go back to having a digital divide. We have to find a way to protect the investment made to date and continue to build on what we have!!*