



CEDIA – BRINGING R&E NETWORKING TO ECUADOR

CEDIA is a NREN with 15 years of history and in the last 4 years we have grown exponentially in the range of services that we offer including project financing, and more facilities to our members. Regionally we have a very fast network, with 100Gb in the core and last miles from 1G to 10G to the members. To help to our members we try to ensure all our services easy to deploy particularly free cloud services included in our membership.

One of the most popular and visible services we offer is eduroam where we support the universities in managing their Identity services connecting to the Ecuadorian Identity Federation (MINGA <https://www.cedia.edu.ec/minga>). In this way users at any participating university can use not only eduroam services in Ecuador but in 89 countries worldwide using their university identity.

Owing to our infrastructure, we can monitor the institutional radius and even the LDAP service of our members, but the most important benefit is that our

Picture
Cuenca,
Ecuador

NOC (Network Operation Center) can detect the problem and immediately solve service problems occurring on-site, improving service availability and offering a better experience to our users.

As well as eduroam inside the members' campus we are starting the deployment of some antennas with eduroam service in public places through agreements with ISPs, delivering high bandwidth through a layer 2 connection from the antenna to some of our datacenters to ensure excellent quality of service.

Such has been the success of eduroam that there are some institutions

who only use eduroam for Wi-Fi access and it has been a major driver for the wider use of identity federation services.

CEDIA is rapidly growing with more services being offered to all our members, including new services to allow to research synergies between academic researchers and the private sector. For this service CEDIA as a bridge between institutions and corporations and playing a major role in helping developments across the whole of Ecuador. <https://www.cedia.edu.ec/en/about-us/technological-innovation-and-transfer>

In the last year we have also added high-schools as members into the NREN, and a new dedicated services portfolio, with service focused on the high-school users. CEDIA plays a major role in helping IT staff to deploy services. We look forward to supporting and serving the R&E community in Ecuador for another 15 years.

<https://www.cedia.edu.ec>

