

## What is eduroam

Eduroam (Education Roaming) is a TERENA initiative to encourage the mobility of researchers and European students, offering WI-FI (wireless) connectivity in their roaming (movements) to other institutions connected to GÉANT. In this way, users from institutions taking part in eduroam have access to the Internet using the wireless networks of the other participating institutions.

Being part of eduroam allows users to access wireless network at a visited institution (also connected to eduroam) simply using the same credentials (for instance, username and password) the users would use if they were at their home institution.

The Institut Català d'Investigació Química is taking part in the eduroam project, providing wireless connectivity to both its own and outer users taking part in eduroam. This service is offered in co-ordination with CESCO (Center for Scientific and Academic Services of Catalonia), which makes the technical and administrative link between the different institutions taking part in the eduroam project.

More information at

Spain eduroam (<http://www.eduroam.es>)  
eduroam (<http://www.eduroam.org>)

## What we do

We provide access to the ICIQ's Wifi Network and to the Internet with wireless devices, available 24/7.

## For whom

Users from institutions participating in the eduroam project can access to the ICIQ's WIFI network. Users need validation credentials, which should be provided by their home institution, which are formed by `username@domain` (eg `prueba@iciq.es`) and password they normally use in their home institution.

## How to use it

Having a device (fixed or portable computer, tablet or mobile phone) compatible wireless using 802.1x protocol to connect to the WIFI network "eduroam" with the user's credentials.

ICIQ users who want to connect to WIFI network on another institution can visit the website of the institution to see eduroam coverage, the SSID they have to use to access WPA/802.1x (usually "eduroam") and supported ciphers. The ICIQ used PEAP/MSCHAPV2 authentication method.

Users who come from other institutions and who want to connect to the ICIQ's WIFI network through Eduroam, have to follow the instructions of their origin institution. Keep in mind that the WiFi network name is "eduroam" and the encryption is WPA2/AES.

For ease users can locate their origin institution using the automatic configuration wizard that corresponds to the client operating system and is available to download from <https://cat.eduroam.org>.

## Allowed services

### Email:

- + IMAP2+4: TCP/143 outbound only
- + IMAP3: TCP/220 outbound only
- + IMAPS: TCP/993 outbound only
- + POP: TCP/110 outbound only
- + POP3S: TCP/995 outbound only

### Other services:

- + Passive (S)FTP: TCP/21 outbound only
- + RDP: TCP/3389 outbound only

### Basics

- + SSH: TCP/22 outbound only
- + HTTP: TCP/80 outbound only
- + HTTPS: TCP/443 outbound only

### VPN y tunnels:

- + Standard IPsec VPN: Protocols IP 50 (ESP) y 51 (AH), inbound and outbound; UDP/500 (IKE) outbound only
- + OpenVPN 2.0: ports UDP/1194 i TCP/1194
- + IPv6 Tunnel Broker service: protocol IP 41 inbound and outbound
- + IPsec NAT-Traversal: port UDP/4500
- + Cisco IPsec VPN over TCP: port TCP/10000 outbound only
- + PPTP VPN: Protocol IP 47 (GRE) inbound and outbound  
TCP/1723 outbound only

Support: Should users require IT support can contact us