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**D3.5 EduCONF and SIVIC's public resources
directories accessible from RedCLARA and
ideally EduCONF Portal**



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Periodical Progress Report

ELCIRA Deliverable: EduCONF and SIVIC's public resources directories accessible from RedCLARA and ideally EduCONF Portal

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Abstract: Public resources for room location, and test numbers are available in RedCLARA and GEANT. In the ELCIRA work, RedCLARA carried out a directory integration, and listed the resources in a public page with all service guidelines.



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For more information on ELCIRA, its partners and contributors please see <http://elcira.redclara.net> (this website will be available in October 1st 2012).

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DELIVERABLE ROUTE

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From	Gustavo Garcia	RedCLARA/CIO	18-09-2014	RedCLARA
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1 GLOSSARY

MCU	Multipoint Control Unit
GDS	Global dialing Scheme
HQVS	High Quality Video-conference Service
NREN	Network Research and Education Network
H.323	Standard set of protocols to establish videoconference calls

2 INTRODUCTION

The High Quality Videoconference Service (HQVCS) has some public resources like the directories, gatekeepers and the test numbers for the Global Dialling Service (GDS). These resources have been published in two locations, the first is the directory service located in the new pilot portal, and the second location through the <http://elcira.redclara.net> portal. In the directory service, users will be able to find rooms in the eduCONF directory due to an integration carried out using the API defined by the eduCONF group. The ELCIRA portal has a new section called HQVCS in the “Collaboration tools and services” menu option.

3 INTEGRATION IN THE DIRECTORY



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The ELCIRA WP3 team worked in the integration of eduCONF and RedCLARA's directories. The initial approach was to use a global directory integration standard, nevertheless, there is not a global agreement in the standards or service design. RedCLARA worked in close relation with the eduCONF team, and they provided an integration Application Programming Interface (API) that were deployed for their first version of the directory application. The following screen shows the SIVIC directory application where the user can search by country, institution or room name. Results from Europe and Latin-American can be returned according to the search.



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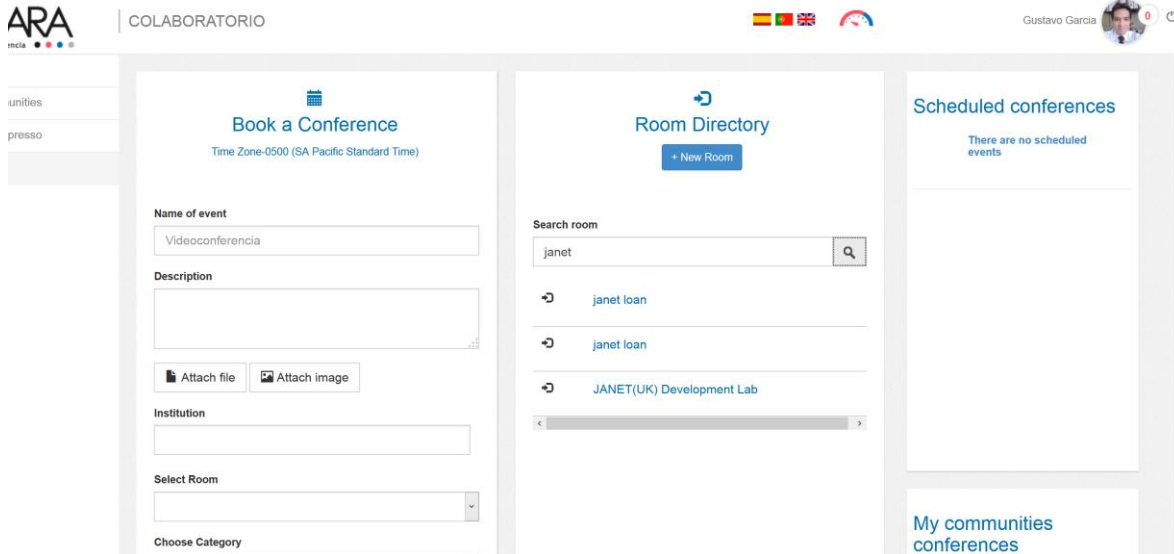


Figure no. 1. SIVIC directory integrated to eduCONF

4 HIGH QUALITY VIDEO-CONFERENCE PUBLIC RESOURCES

In addition to the room search, the ELCIRA web portal also included a section with instructions to use the services. How to use the gatekeepers, how to access to the certification program, what are the test numbers, among other questions can be answered in this page. The page is located in the link:

<http://elcira.redclara.net>



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A Dialing System to strengthen communications between researchers and academics of Europe and Latin America

The High Quality Videconference Service (HQVCS) aims to enhance and promote video communications between researchers and academics of institutions of Europe and Latin America. It provides essentially the possibility to dial between Videconference Equipments with phone numbers as conventional telephony, the quality of the call will depend on the characteristics of the elements involved in the call process (MCU, Endpoints and H.323 Software Clients). Besides, this gatekeeper network will allow VC managers to obtain statistics of the service and provide other features that improve the administration of calls.

The service has been implemented with a series of hierarchical gatekeeper that routes call requests using prefixes of numbers to establish a call between videoconference endpoints. These elements are connected as neighbors of the Latin American gatekeeper managed by RedCLARA.

There is a Latin-American Top Level Gatekeeper managed by RedCLARA that is connected to other international videoconference networks like eduCONF (Europe). This element will attend call requests from different LA NRENS and route them to other networks or to other NREN from LA.

Latin American NRENS needs to implement a gatekeeper solution to attend call requests to his country and been added to the Latin American gatekeeper.

What is a Gatekeeper?

A Gatekeeper (GK) is an element proper of the H.323 standard which enhances features for videoconference communications with improvements including address translation, call routing and call control, thus providing scalability and decentralized management. [Read More](#)

How to use the service

- [If you are an end-user](#)
- [If you are an institution with one or two endpoints \(video terminals\)](#)
- [If you are an NREN/institution that has several VC endpoints in your domain](#)

More information

[Video-conference Network Operations Center \(VNOC\)](#)

Figure no. 2. ELCIRA Video-conference public resources



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This page includes a link to the SIVIC directory application, as well as test numbers from different NRENs in Latin-America and Europe. The main advantage is that users now know how they can use the services, and how to access them.



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