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Collaborative e-Infrastructure
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Deliverable 5.4: Federated portal system beta version

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Periodical Progress Report

ELCIRA Deliverable: ELCIRA DO5.4 - Federated Portal System beta version

Document Full Name	**ELCIRA DO5.4 Federated portal system beta version**
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Lead Partner	**RedCLARA**
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Abstract: This document shows the current status of the implementation of ELCIRA's infrastructure for community services according the *RFP Service model definition for a community service framework between Latin America and Europe Request for Proposal.*

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DELIVERABLE ROUTE

	Name	**Member/Activity**	**Date**	**Responsible**
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Revised by	Gustavo Garcia	Technical Manager/RedCLARA	2013-09-27	
Aproved by				

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1   DEFINITIONS AND ACRONYMS

User: (or Final User) Researcher, teacher, student or other academic or I+D+I related person who uses the systems. The user may be registered in RedCLARA's, GARR IdP or eduGAIN services for interconnect federations.

NREN: National Research and Educational Network.

SAML: The Security Assertion Markup Language (SAML), developed by the OASIS Security Services Technical Committee, is an XML-based framework for communicating security information across administrative domains. SAML allows entities (like IdPs) to issue identity assertions about a subject to other entities (like SPs) (Internet2, 2011).

Shibboleth: An implementation of SALM2 framework. It allows people to sign in, using just one 'identity', to various systems run by 'federations' of different organizations or institutions. The federations are often universities or public service organizations (Wikipedia, 2013).

(Identity) Federation: Set of universities or others institutions organized in a hierarchical fashion to provide identity services.

IdP: Identity Provider – a service that provides user information (for the purpose of the current project, provides the validation of user authentication).

SP: Service Provider – a system that provides content and services to the user. For the purpose of the current project, there are four SP: Wiki, FileSender, Webconference and Communities' Service.

2   EXECUTIVE SUMMARY

The ELCIRA WP5 working group has been working in a federated portal system. In this report, the group describes the work done and the elements that lead to the beta version of the system. The beta version is ready what means it is fully functional, and the testing with specific NRENs and closed group of users can begin. In the system an administrator NREN can integrated services in their NREN portal, using an administrative tool reference in section 4. The services integrated in the portal are describe in section 5. All services can be accessed through an NREN test portal referenced in section 4.

3   WP5 OVERALL STATUS

The ELCIRA platform is currently Beta ready. The following schema shows the basic architecture of the system and what components are already connected to provide Identification or Information Services to the users.
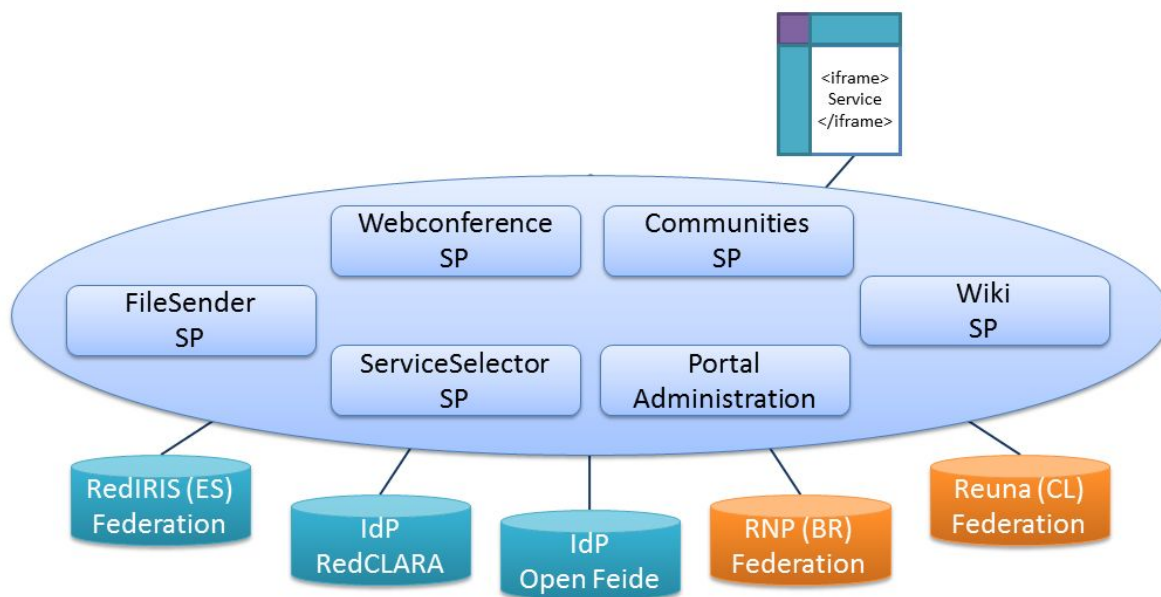
All services are connected through SAML2 via Shibboleth or SimpleSAMLphp. They share information through a special API created for them. They can be embed to NREN's portal

using an <iframe> html tag. The NRENs will be able to keep their look and feel while providing services to their users.

Regarding the Identity Providers' integration, user from the following federations can access the system: a) users from RedCLARA's portal (Latin-America), b) Users from the RedIRIS federation (Spain), and c) users registered open Feide (Europe). The Brazilian and Chilean federations (CAFé and COFRE) began tests to join ELCIRA services. CAFé has performed successful user authentication tests and is waiting for administrative administration to join.

A test NREN was created in order to provide access as a NREN administrator. The Beta version also included an end-user's access test page. The NREN administrators can try the options that allow controlling the services deployment for their institutions.

4   ACCESS LINKS

The beta service can be tested on these URLs:

   a. NREN administrator:
      https://nrenadmin.redclara.net
      In this page is explained how to use the system, and integrated in NRENs page.

   b. NOnren test page:
      https://dev1.redclara.net/nren_1/
      Page for working with the open Feide tests domain. All changes in the admin page
      will be reflected in this page.

5   DETAILED STATUS

1. The following table shows the status of every service currently available under the ELCIRA schema:

Service name	Short description	Status
Communities' Service	The community portal is a service where users can create groups or communities to interact with. The service has well known features such as wall publishing, private messages, add contacts and others to manage and handle a community in an academic or scientific area.	The service, based in Joomla and Jomsocial is already deployed and is full operative. Connection to Feide Open Idp, RedCLARA's Idp and SIR (Spain Federation) is done and working. Successful connection to Brazilian test federation has been performed.
Wiki	The Wiki service allows collaborative document creation through a simple web page. The Wiki-created documents are instantly published on the web, and can be edited at any time by users	The Mediawiki system was deployed and configured in order to get connected to the Identity Providers schema. Entry module was deployed for creating and administering wikis. Connection to Feide

		using only their browser. History records of any change are stored.	Open Idp, RedCLARA's Idp and SIR is done and working. Brazilian federation was connected successfully.
Webconference		The Webconference system will be based on the MCONF platform developed by the Brazilian NREN, RNP. The Webconference service will enable multi-party meetings with co-workers. The main advantage is that the system does not need any software to be installed on the client's computer.	Connected as a service to ELCIRA using the SIVIC as an entry point (see forward).
FileSender		With the Large File Transfer service, researchers will be able to share a file with their colleagues using cloud storage. If the end user wants to send a 2-Gigabyte file overseas, systems like e-mail cannot do the work. With this service, the user will only have to upload the document and send the link.	The Filesender is currently deployed into a RedCLARA's service. It is expected to be provided by GARR once some technical issues regarding authentication get fixed. Connection to Feide Open Idp, RedCLARA's Idp and SIR is done and working.

Regarding the administration related services, the beta version has the following features:

a. **Service selector**: The NREN admin can select what services are going to be provided for their users.

b. **Service layout:** Options to defined how to the list of services will be show

Services Layout selection

c. ***Delegate administration:*** Allowing other people to administrate the NREN.

d. ***Integration instructions***: Basic and detailed instructions on how to embed the ElCIRA services to the NREN portal, create their own service menus, and changing elements like language and templates (set of colors).

6   REFERENCES

ELCIRA WP5. (2013). *Service Model Definition for a Community Service Framework between Latin-America and Europe .*

ELCIRA WP5. (2013). *Request for Proposal for the development of a Community Service Framework between Latin-America and Europe.*

7 ANNEX A. SCREENSHOTS
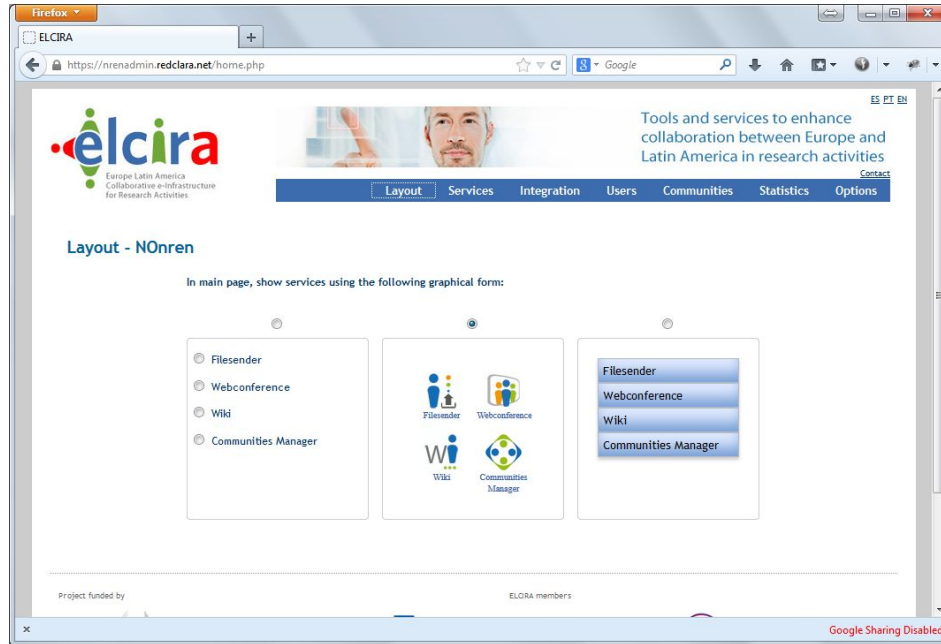
Service Layout
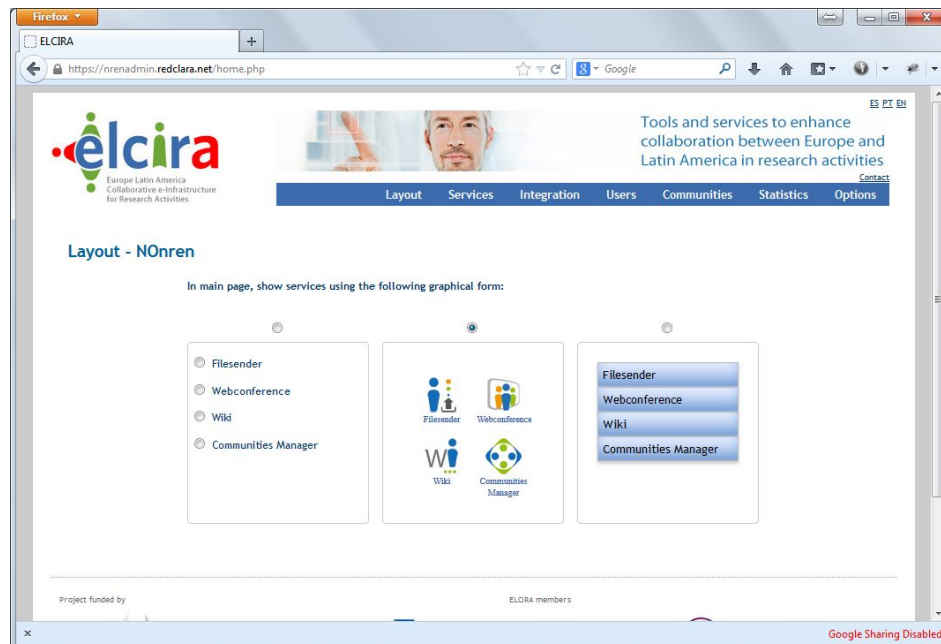
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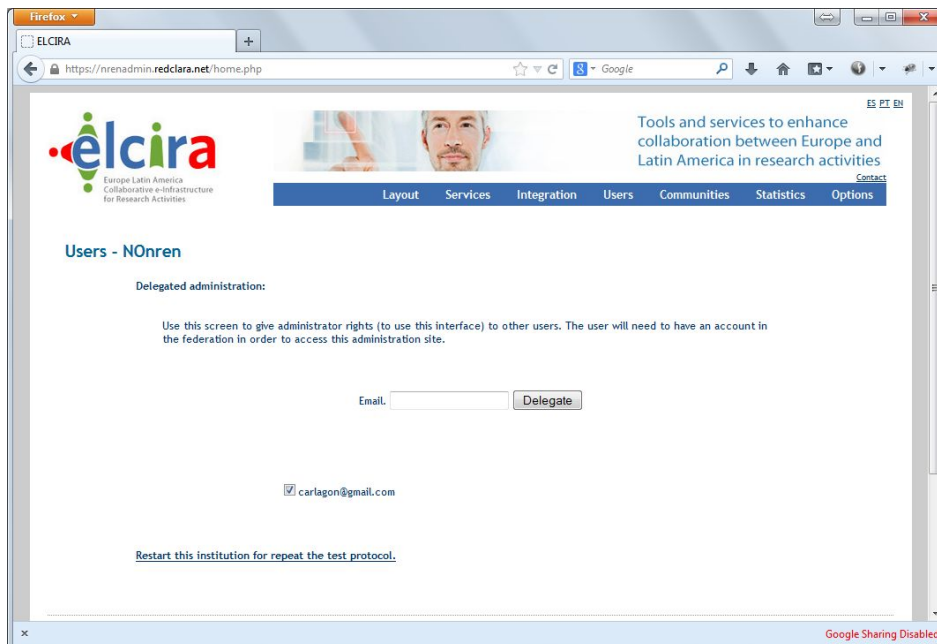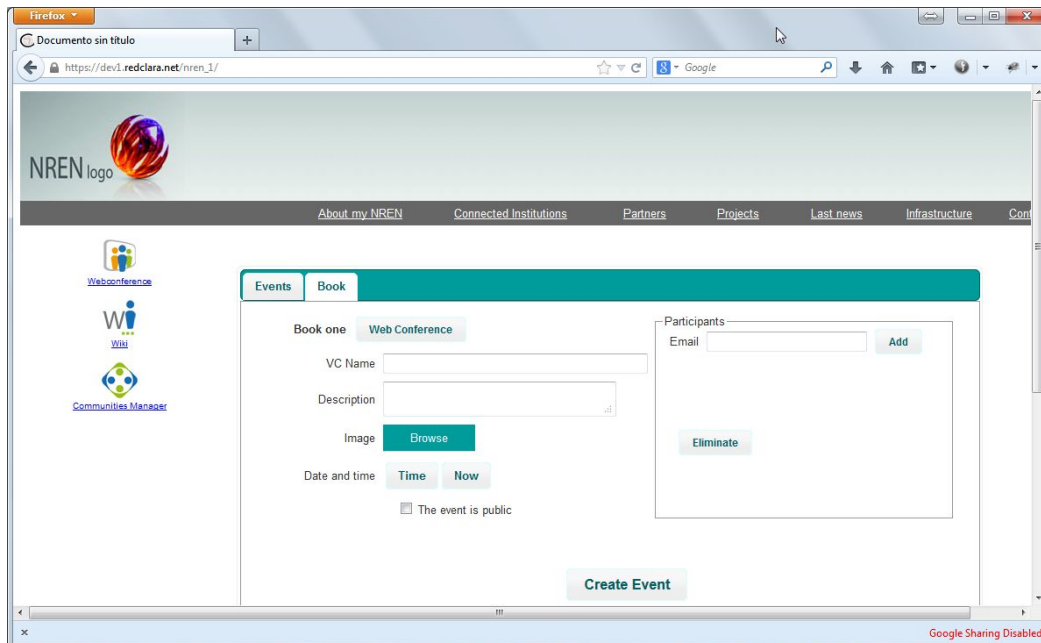Programme (FP7)

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Enable/Disable services
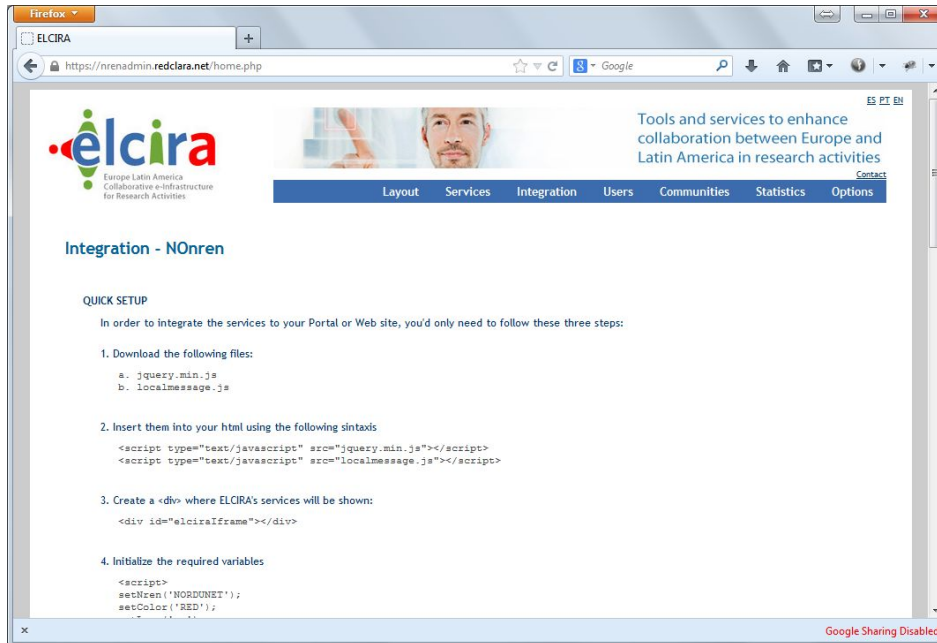
Instructions for Integration

Delegate adminitration

Enable/Disable communities
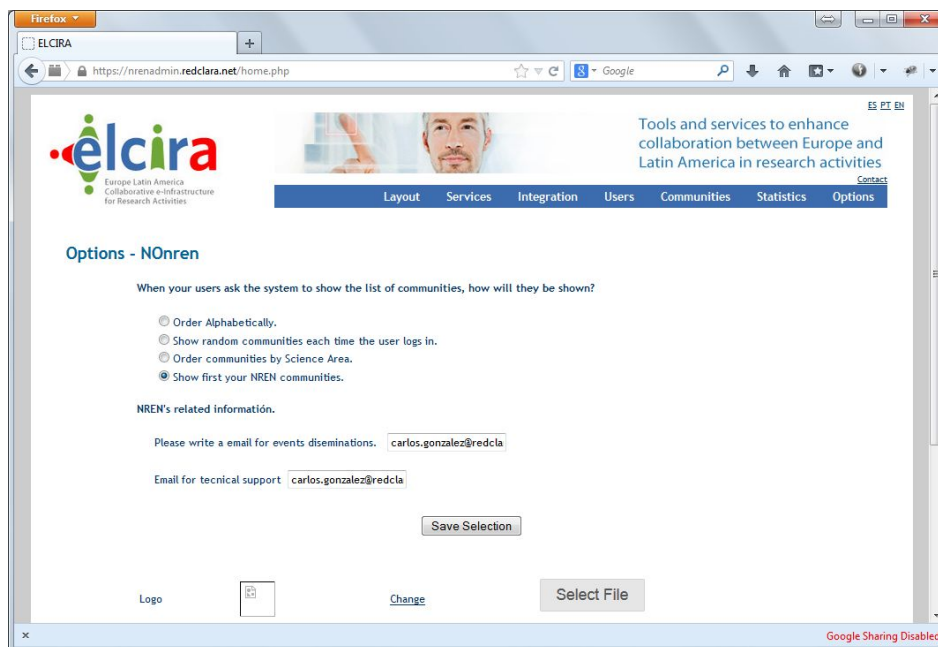
Community options

Test page with webconference booking page
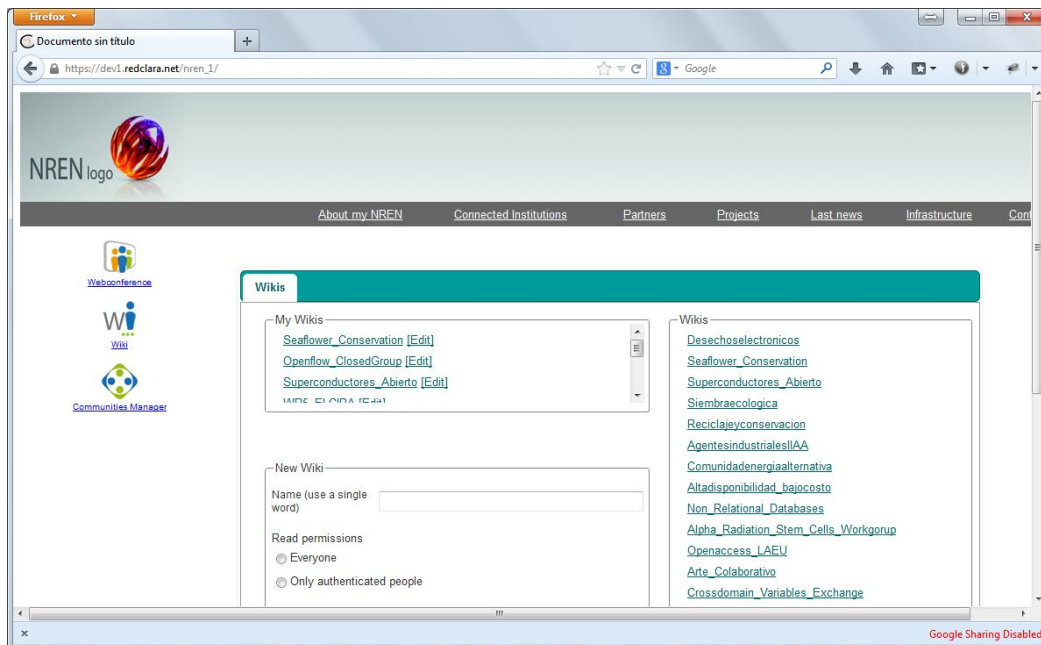
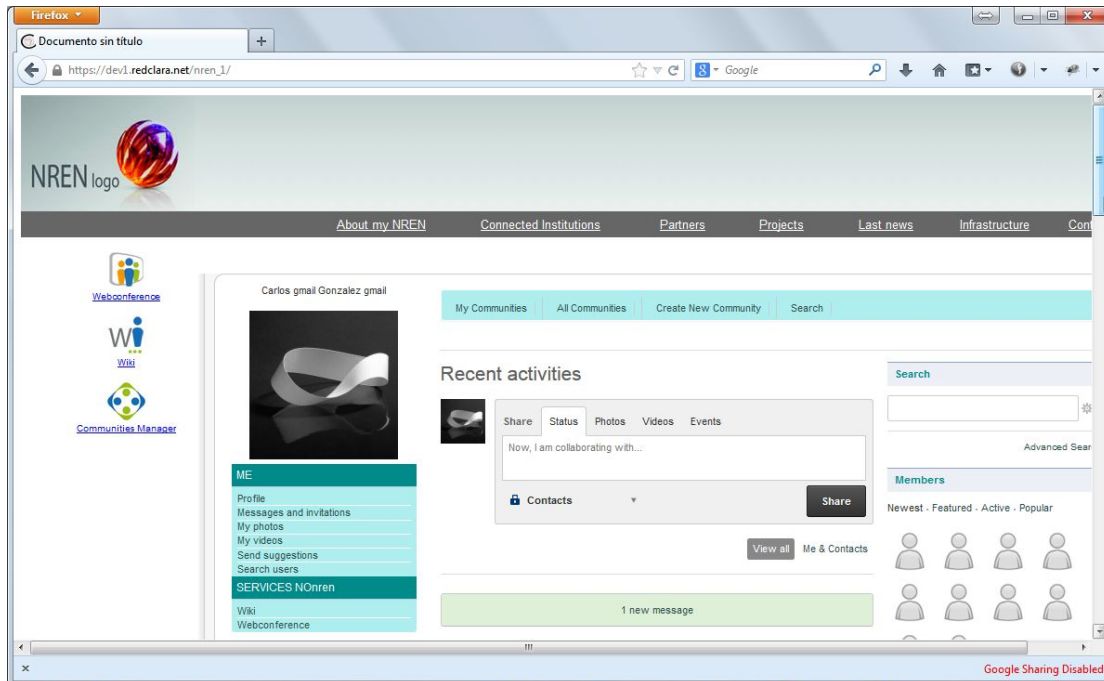Test page with wiki entry page

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Test page with Communities page