



UNIVERSIDAD TECNICA
FEDERICO SANTA MARIA
Ciencias Aeronáuticas
En alianza con LATAM

28th International Cartographic Conference 2017

CHILEAN GEO CLIENT APPLICATION FOR DISASTERS

GEO GROUP ON
EARTH OBSERVATIONS
AFRITERRA
The Cartographic Free Library



RODRIGO SUAREZ

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CENTRO DE
APLICACIONES AEROESPACIALES





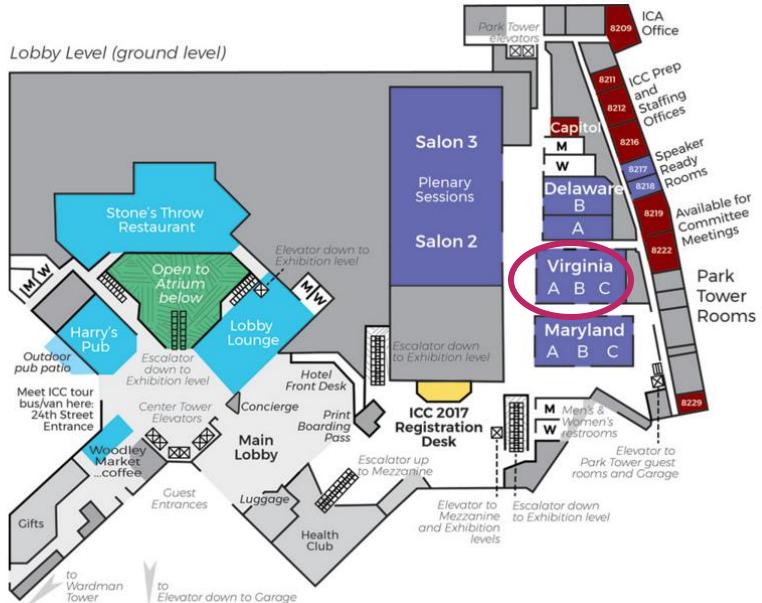
Poster Session E

Exhibit Hall C

Wednesday, July 5, 2017

12:30 PM – 3:30 PM

Lobby Level (ground level)



Rodrigo Suarez, MSc - UTFSM
Lucía Lovison-Golob, PhD - Afriterra Foundation
Martinus Potters, MSc - UTFSM



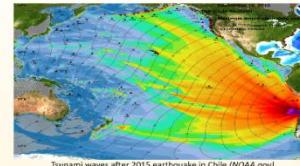
Rodrigo Suárez, MSc - Universidad Técnica Federico Santa María

Lucía Lovison-Golob, PhD - Afriterra Foundation

Martinus Potters, MSc - Universidad Técnica Federico Santa María

RESULTS

A prototype service was developed and implemented, based on web services, mobile applications and other communication channels, which allows connecting different sources of information, aiming to reduce population vulnerability to natural disasters such as: earthquakes, flooding, wild fires and tsunamis.



Today, the Chilean GEO Client for disasters is developed in a first stage, as a JavaScript application, providing a user interface to select the parameters for historical events research.

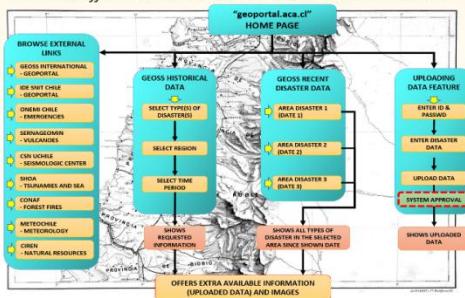
The application browses the IRIS database in the GEO portal and presents the text in the same format that exists in the database. A cartographic reference is included, in the form of a Google Map/Google Earth interactive map where searching areas and events are displayed.



The AIP-GEO Chile initiative seeks to continue working and developing the client application, applying spatial data standards and the GEO sharing principles to the case of disasters. The application will need to be tested and improved with user evaluations and feedback.

REFERENCES

- GEO. (2017). Group on Earth Observation. Recuperado el 2017, de www.earthobservation.org
- Lovison, L. e. (2016). A GEOSS Architecture Implementation Pilot Project for Disasters in Chile. Photogrammetric Engineering & Remote Sensing, 79-85.
- Nativi, S. e. (2013). Earth science infrastructures interoperability: The brokering approach. IEEE JSTARS, 118-1129.
- Santoro, M. e. (2012). Methodologies for augmented discovery of geospatial resources. Discovery of Geospatial Resources: Methodologies, Technologies and Emergent Applications, 172-203.





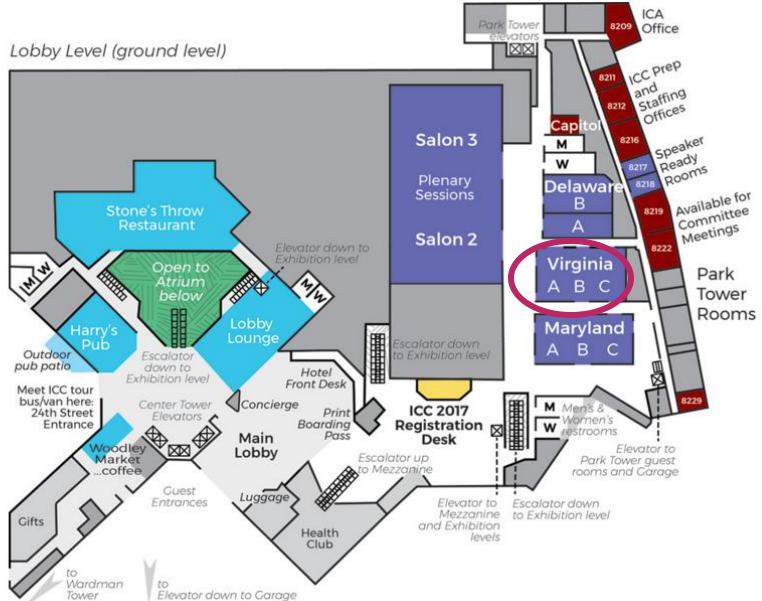
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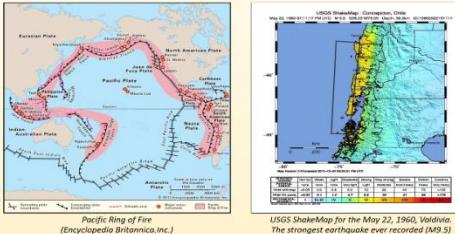
Martinus Potters, MSc - Universidad Técnica Federico Santa María

INTRODUCTION

The global network of the Group on Earth Observation, GEO, connects all kinds of professionals from public and private institutions with data providers, sharing information to face the challenges of global changes and human development and they are creating a Global Earth Observation System of Systems, GEOS, in order to connect existing data infrastructures.

A GEOSS Architecture Implementation Pilot (AIP) Project for Disasters in Chile, was created as part of a capacity building initiative, lead by GEO-Chile Luciano Parodi, where representatives of different national agencies, along with international experts, formed a working group aimed to implement prototype services and to develop interoperable data connections.

The Chilean GEO Client Application for Disasters is part of the AIP Project, where useful information is cartographically located and provided to people involved in disasters management.



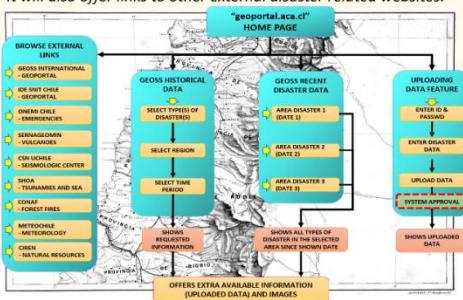
METHODS

In order to create access to the information, GEOSS provides a single internet gateway, powered by the GEO Discovery and Access Broker, DAB, developed by the Consiglio Nazionale delle Ricerche, CNR, Italy, and applying the Brokering approach for multidisciplinary interoperability (Nativi, 2013).

The GEO DAB provides broker components for discovery, access and semantics-enabled search (Santoro, 2012) functionalities and a resource registration tool allowing users and data providers to share their knowledge and experiences.

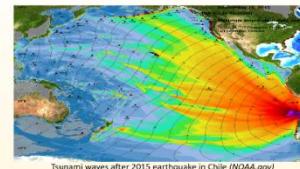
We used the tools provided by the GEO DAB to create a Client Oriented Application, able to find and retrieve information from the GEOSS Portal, concerning different types of disasters in Chile. Inside the country, we also want to provide means for the communication and sharing of data between different agencies, so they can better coordinate and concentrate their efforts through the whole disaster management cycle.

The client application will be available for pc and mobile users, offering 3 main features: 1) when starting, it will show the disaster information of the last 3 events occurred during the last 48 hours, 2) the user will be able to look for historical disasters data and 3) the user will be able to upload graphic and written information. It will also offer links to other external disaster related websites.



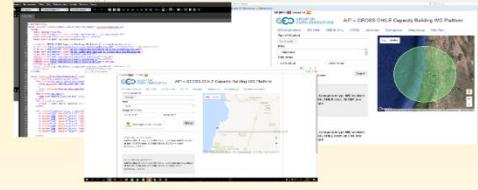
RESULTS

A prototype service was developed and implemented, based on web services, mobile applications and other communication channels, which allows connecting different sources of information, aiming to reduce population vulnerability to natural disasters such as: earthquakes, flooding, wild fires and tsunamis.



Today, the Chilean GEO Client for disasters is developed in a first stage, as a JavaScript application, providing a user interface to select the parameters for historical events research.

The application browses the IRIS database in the GEO portal and presents the text in the same format that exists in the database. A cartographic reference is included, in the form of a Google Map/Google Earth interactive map where searching areas and events are displayed.



Chilean GEO Client Application for Disasters, Javascript code and website.
(geospatial.aca.cl)

The AIP-GEO Chile initiative seeks to continue working and developing the client application, applying spatial data standards and the GEO sharing principles to the case of disasters. The application will need to be tested and improved with user evaluations and feedback.

REFERENCES

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- INTRODUCTION
- OBJECTIVES
- METHODS
- RESULTS
- CONCLUSION



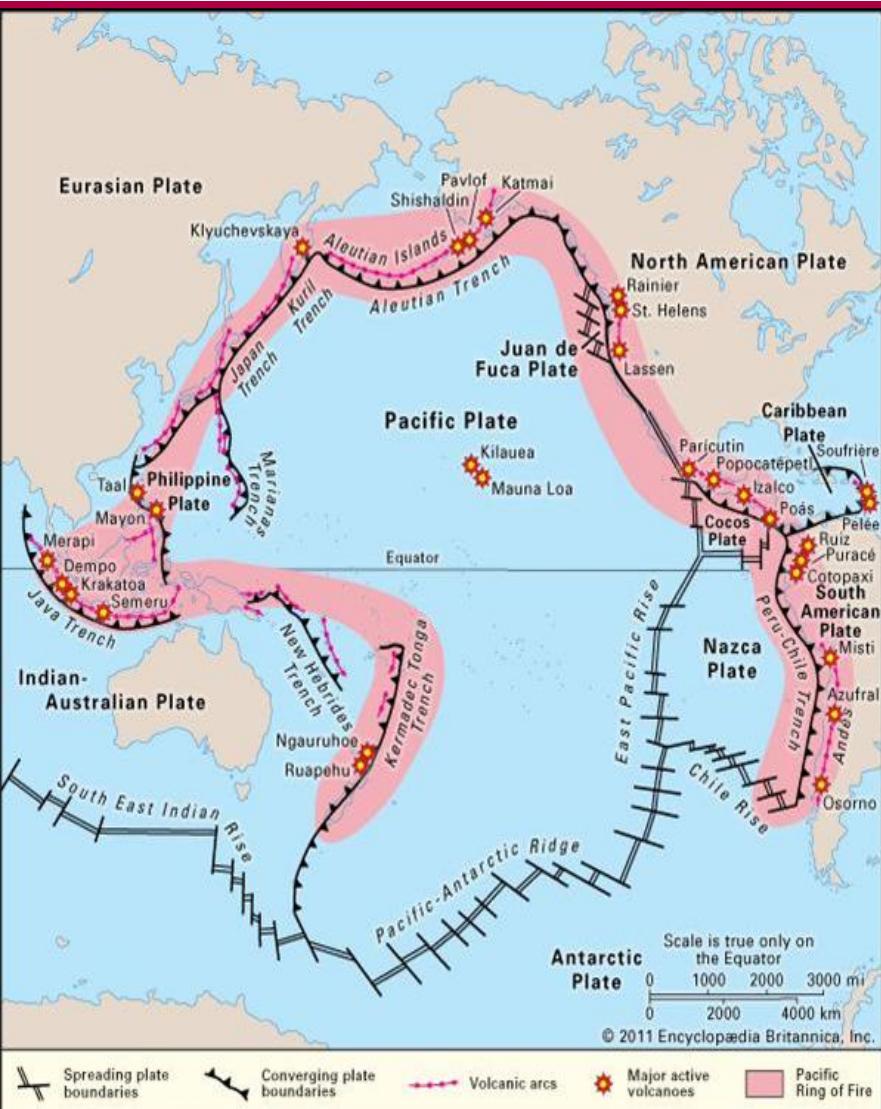
Introduction

A GEOSS Architecture Implementation Pilot Project for Disasters in Chile (AIP-8) was created as part of a capacity building initiative of GEO, including representatives of different national agencies in Chile, along with international.





CHILEAN GEO CLIENT APPLICATION FOR DISASTERS



PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Mod./Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	<0.05	0.3	2.8	6.2	12	22	40	75	>139
PEAK VEL.(cm/s)	<0.02	0.1	1.4	4.7	9.6	20	41	86	>178
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

Scale based upon Worden et al. (2012)



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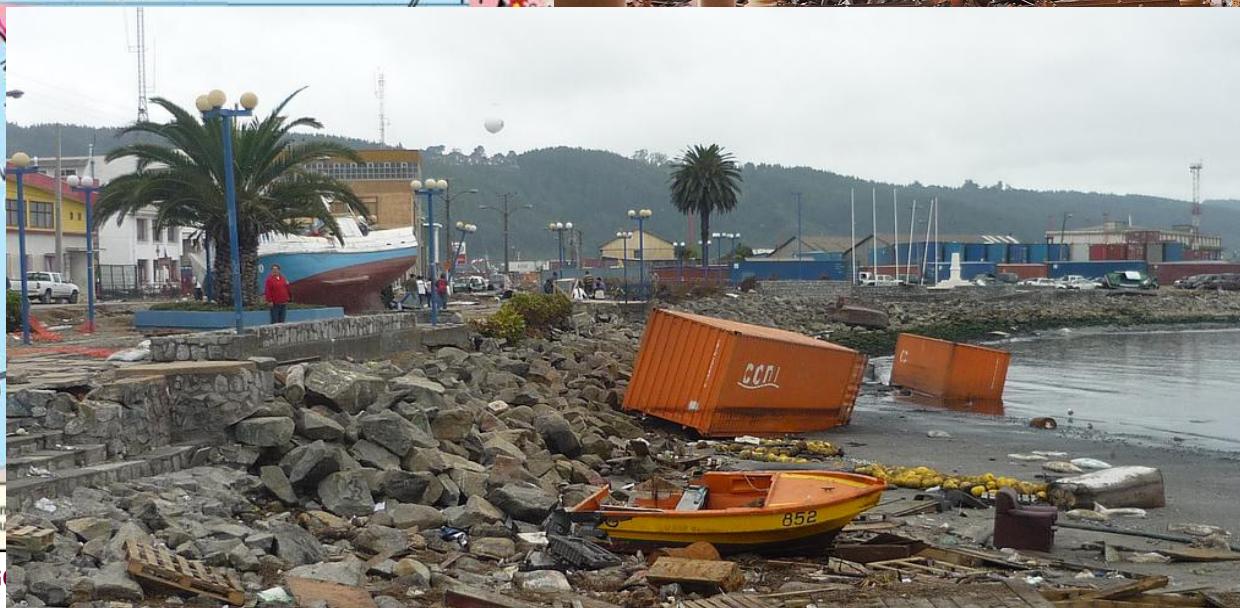
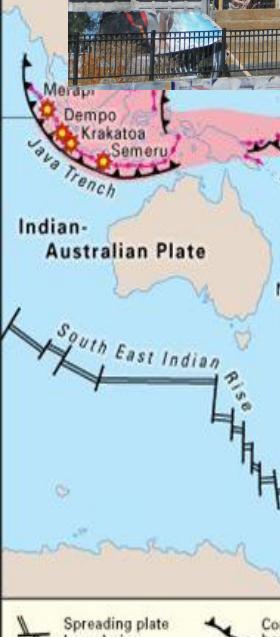
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2010

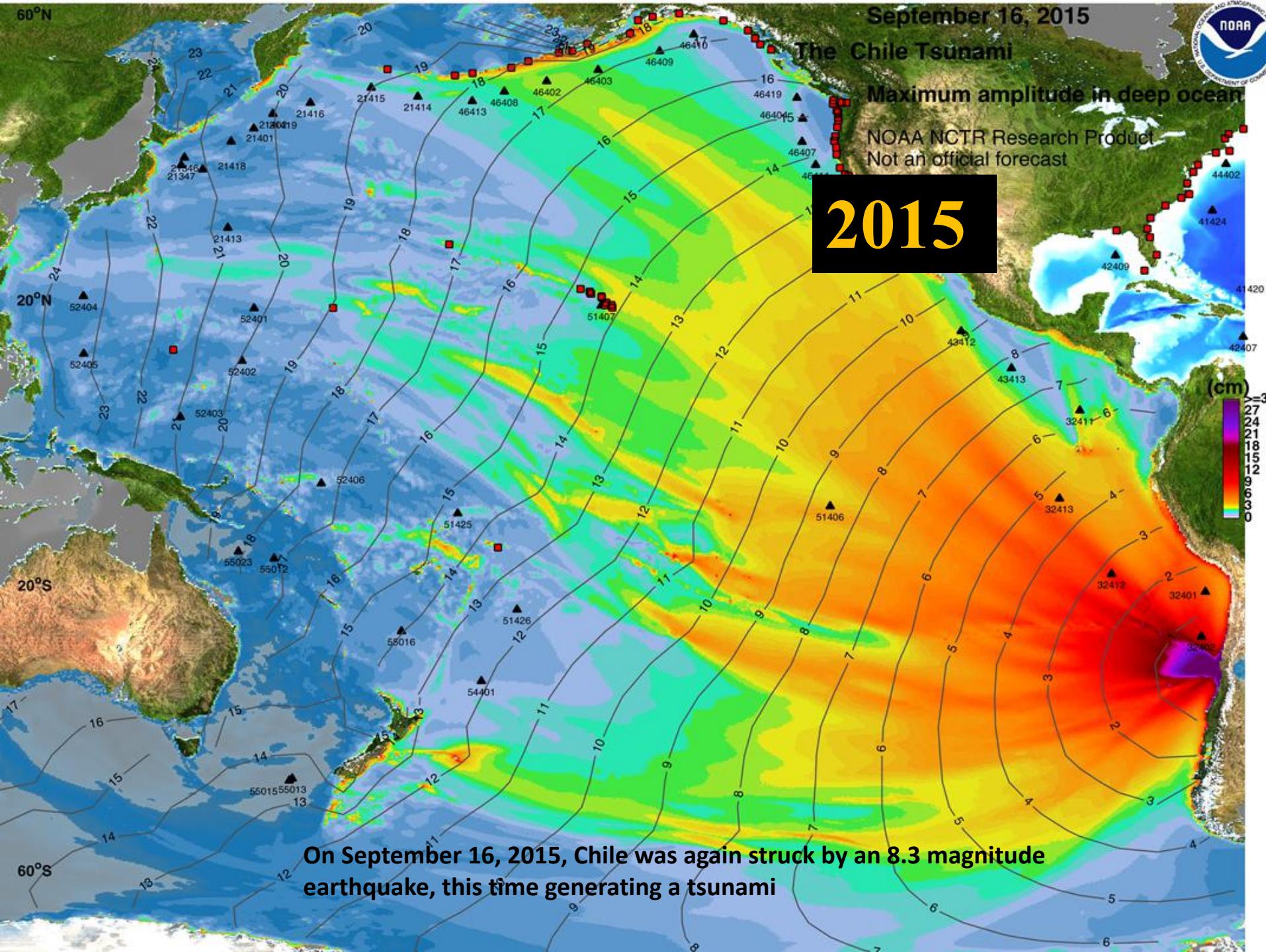
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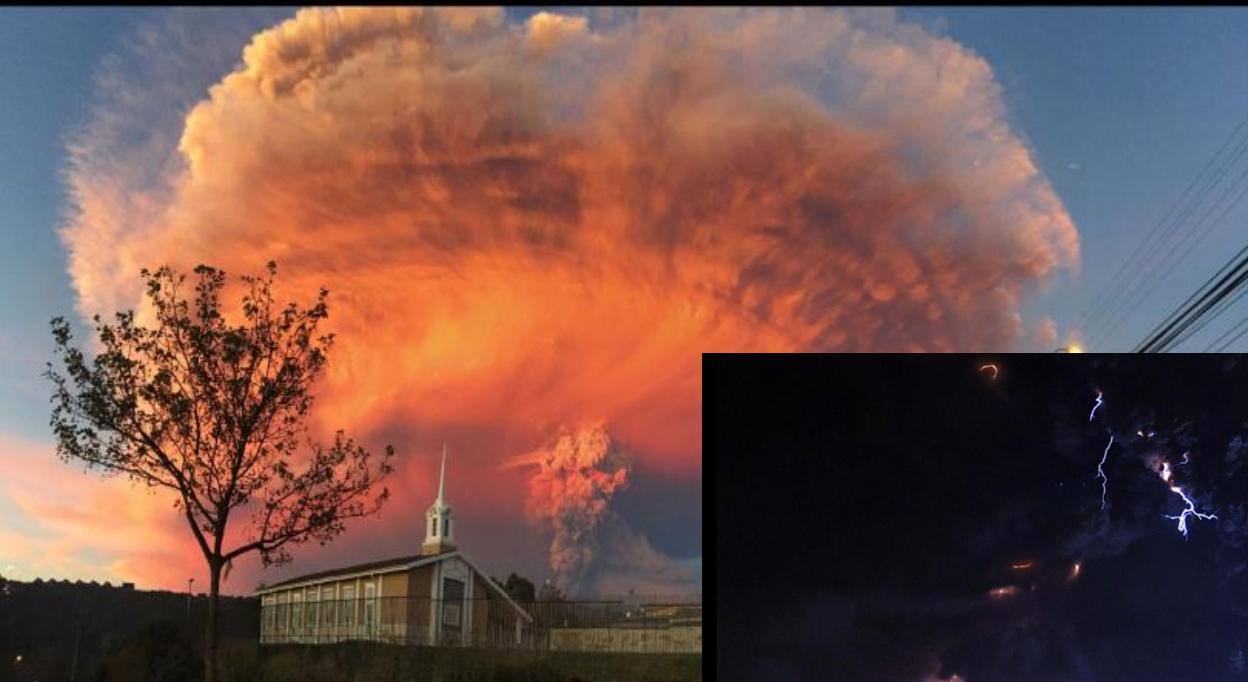


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2015

Calbuco



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2015



Valparaíso

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DESTRUCTION CAOS, MATERIAL LOSES, SADNESS





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emol.



Homeless people



Sheltered people

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Hopeless people



UNIVERS



Objective

The GEO Client Application for Disasters in Chile is lead by GEO-Chile Luciano Parodi and it is aimed to implement a prototype service in the form of an application that allows the dissemination of useful information in order to facilitate decision taking related to natural disasters, both in terms of managing authorities and at the level of the general public.

Based on a service-oriented data architecture, it uses information from different types of sensors (land, water, satellite, meteorological and others being available) and will use the database of the GEOSS system and its geoportal.



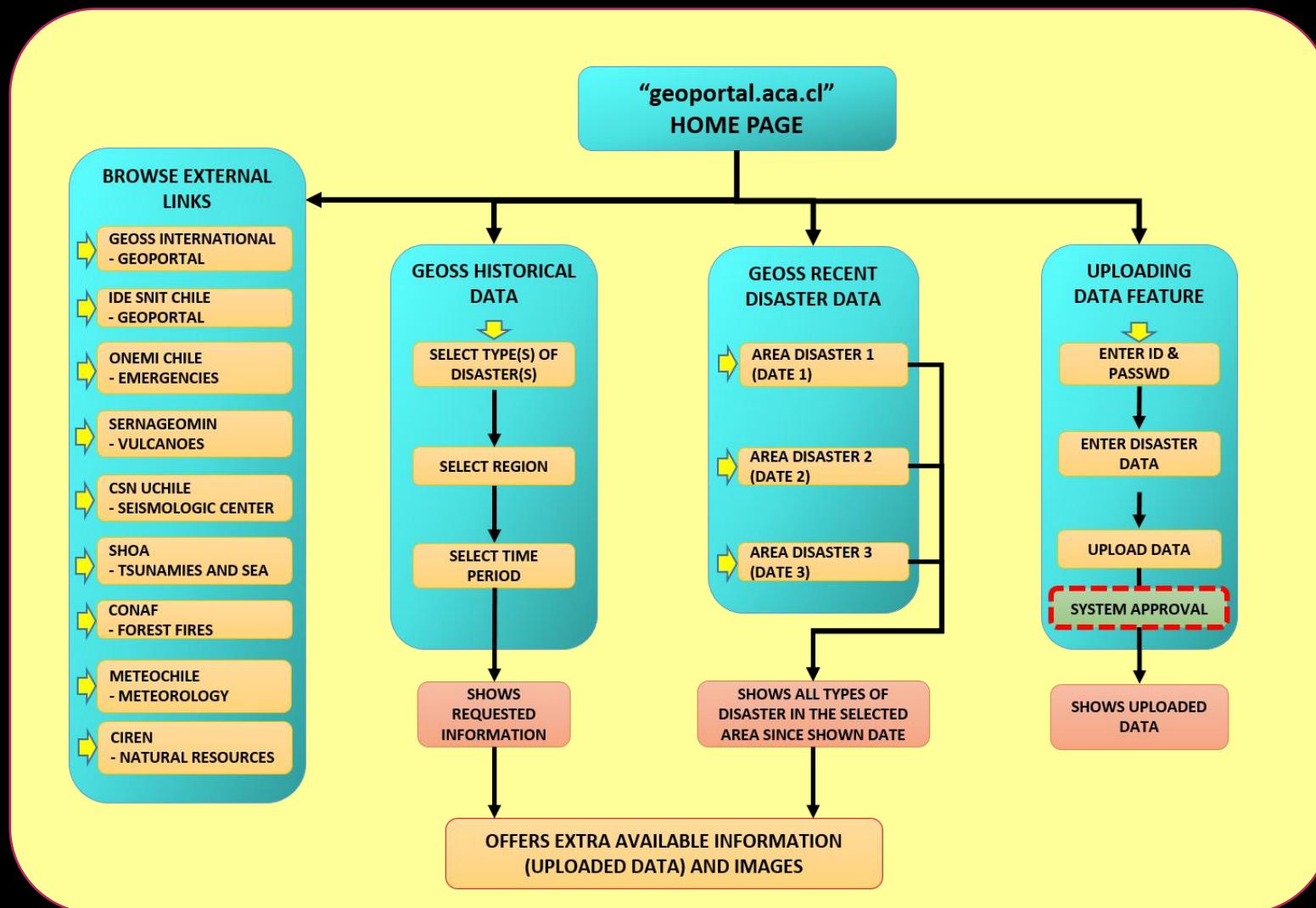
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The GEO DAB provides broker components for discovery, access and semantics-enabled search (Santoro, 2012) functionalities and a resource registration tool allowing users and data providers to share their knowledge and experiences.



CHILEAN GEO CLIENT APPLICATION FOR DISASTERS





Results

```
1<!DOCTYPE html>
2<html lang="en" xmlns="http://www.w3.org/1999/xhtml" ng-app="GeoportalCl">
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <meta name="description" content="The HTML5 Herald">
7    <meta name="author" content="SitePoint">
8
9  <title>{{ 'GEOSS CHILE Capacity Building WG Platform' | translate }}</title>
10 <link href='http://fonts.googleapis.com/css?family=Roboto:300' rel='stylesheet' type='text/css'>
11 <link rel="stylesheet" href="bower_components/bootstrap/dist/css/bootstrap.min.css" type="text/css">
12 <link rel="stylesheet" href="bower_components/angular-ui-select/dist/select.min.css" type="text/css">
13 <script src="bower_components/jquery/dist/jquery.js"></script>
14 <script src="bower_components/lodash/lodash.min.js"></script>
15 <script src="bower_components/angular/angular.min.js"></script>
16 <!--[if lt IE 9]>
17 <script src="http://html5shiv.googlecode.com/svn/trunk/html5.js"></script>
18 <![endif]-->
19
20 </head>
21
22 <body ng-controller="MainController" ng-cloak ng-scroll="scrolling($event)">
23   <div class="central-container row">
24     <div class="col-md-12 translate-icons">
25       <span ng-click="changeLanguage('en', this)" class="translate-en" ng-class="{bold: currentLang == 'en'}">English </span>
26       |
27       <span ng-click="changeLanguage('es', this)" class="translate-es" ng-class="{bold: currentLang == 'es'}">Español </span>
28     </div>
29     <div class="col-md-4">
30       
31     </div>
32     <div class="col-md-8">
33       <h3>AIP - GEOSS CHILE Capacity Building WG Platform</h3>
34     </div>
35
36   <div class="links-container col-md-12">
37     <a class="btn" target="_blank" href="http://www.earthobservations.org">{{ "GEO International" | translate }}</a>
38     <a class="btn" target="_blank" href="http://www.ide.cl">{{ "IDE Chile" | translate }}</a>
39     <a class="btn" target="_blank" href="http://www.onemi.cl">{{ "ONEMI Chile" | translate }}</a>
40     <a class="btn" target="_blank" href="http://www.ciren.cl">{{ "CIREN" | translate }}</a>
41     <a class="btn" target="_blank" href="http://www.sernageomin.cl/volcanes.php">{{ "Volcanoes" | translate }}</a>
42     <a class="btn" target="_blank" href="http://www.sismologia.cl/">{{ "Earthquakes" | translate }}</a>
43     <a class="btn" target="_blank" href="http://www.meteochile.gob.cl/inicio.php">{{ "Meteorology" | translate }}</a>
44     <a class="btn" target="_blank" href="http://www.conaf.cl/incendios-forestales">{{ "Wild Fires" | translate }}</a>
45
```

We used the tools provided by the GEO DAB to create a client oriented application, able to find and retrieve information from the GEOSS Portal, concerning different types of disasters in Chile.



CHILEAN GEO CLIENT APPLICATION FOR DISASTERS

The prototype service is based on web services and mobile applications and provides information on disasters such as: earthquakes, flooding, wild fires and tsunamies.

English | Español



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[GEO International](#) [IDE Chile](#) [ONEMI Chile](#) [CIREN](#) [Volcanoes](#) [Earthquakes](#) [Meteorology](#) [Wild Fires](#)

Type of disaster

Earthquake

Area

Valparaiso

Date range

2016-09-26

2016-10-26



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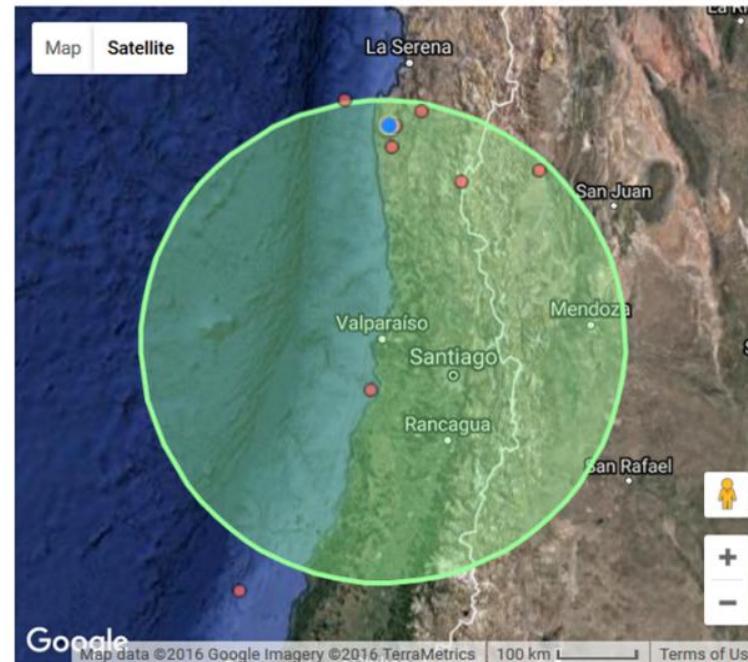
[Search](#)

Date: 2016-10-23T06:09:17Z

earthquake of magnitude 4.6 (magnitude type MB) localized in NEAR COAST OF CENTRAL CHILE at lat: -30.8507; lon: -71.4902; depth: 39.8 km depth

Magnitude: 4.6 MB

Depth: -39.8 km





CHILEAN GEO CLIENT APPLICATION FOR DISASTERS

English | Español



AIP – GEOSS CHILE Capacity Building WG Platform

GEO International

IDE Chile

ONEMI Chile

Volcanoes

Earthquakes

Meteorology

Wild Fires

Type of disaster

Earthquake

Area

South

Date range

01-03-2016

31-03-2016

Search

Download Android Version

earthquake of magnitude 4.3 (magnitude type MB)
localized in OFF COAST OF CENTRAL CHILE at lat:
-30.3966; lon: -72.1141; depth: 7.6 km depth
Magnitude: 4.3 MB
Depth: -7.6 km

earthquake of magnitude 4.8 (magnitude type MB)
localized in CHILE-BOLIVIA BORDER REGION at lat:
-21.952; lon: -67.2449; depth: 217.1 km depth
Magnitude: 4.8 MB
Depth: -217.1 km

earthquake of magnitude 4.7 (magnitude type MB)
localized in CHILE-BOLIVIA BORDER REGION at lat:
-20.000; lon: -67.1475; depth: 100.0 km depth





CHILEAN GEO CLIENT APPLICATION FOR DISASTERS

The application browses the IRIS database in the GEO portal and presents the text in the same format that exists in the database. A cartographic reference is included, in the form of a Google Map/Google Earth interactive map where searching areas and events are displayed.

English | Español

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AIP – GEOSS CHILE Capacity Building WG Platform

Geo internacional IDE Chile ONEMI Chile CIREN Volcanes Terremotos Meteorología Incendios forestales

Tipo de desastre
Terremoto

Area
Norte

Rango de fechas
04-06-2017 05-06-2017

Descargar versión Android

Fecha: 2017-06-04T14:36:57Z
earthquake of magnitude 4.6 (magnitude type mb) localized at lat: -19.5721; lon: -70.1354; depth: 54.73 km depth
Profundidad: -54.73 km

Fecha: 2017-06-04T00:07:28Z
earthquake of magnitude 4.3 (magnitude type mwr) localized at lat: -27.8028; lon: -71.0685; depth: 29.3 km depth
Profundidad: -29.3 km

Map Satellite

earthquake of magnitude 4.3 (magnitude type mwr) localized at lat: -27.8028; lon: -71.0685 Los Lagos

Google Map data ©2017 Google 20 km Terms of Use Report a map error



CHILEAN GEO CLIENT APPLICATION FOR DISASTERS

English | Español



AIP – GEOSS CHILE Capacity Building WG Platform

GEO International

IDE Chile

ONEMI Chile

Volcanoes

Earthquakes

Meteorology

Wild Fires

Type of disaster

Select disasters...

Earthquake

Fire

Flood

Volcano



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Search

No results found





AIP – GEOSS CHILE Capacity Building WG Platform

NEMI Chile Volcanoes Earthquakes Meteorology Wild Fires

31-03-2016

Search

Magnitude type MB)
ORDER REGION at lat:
6.1 km depth

Magnitude type MWR)
lat: -35.2169; lon: -71.1421;

Magnitude type MB)
lat: -35.626; lon: -71.416;

Map Satellite I-72

earthquake of magnitude 4.6 (magnitude type MB) localized in NEAR COAST OF CENTRAL CHILE at lat: -34.7927; lon: -71.9327; depth: 35.6

Google Map data ©2016 Google 5 km Terms of Use Report a map error



CHILEAN GEO CLIENT APPLICATION FOR DISASTERS

English | Español



AIP – GEOSS CHILE Capacity Building WG Platform

GEO International

IDE Chile

ONEMI Chile

Volcanoes

Earthquakes

Meteorology

Wild Fires

Type of disaster

Earthquake

Area

Central

Date range

01-03-2016

31-03-2016



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Search

earthquake of magnitude 4.2 (magnitude type MB)

localized in CHILE-ARGENTINA BORDER REGION at lat:

-32.2164; lon: -70.2249; depth: 116.1 km depth

Magnitude: 4.2 MB

Depth: -116.1 km

earthquake of magnitude 4.5 (magnitude type MWR)

localized in CENTRAL CHILE at lat: -35.2169; lon: -71.1421;

depth: 94.1 km depth

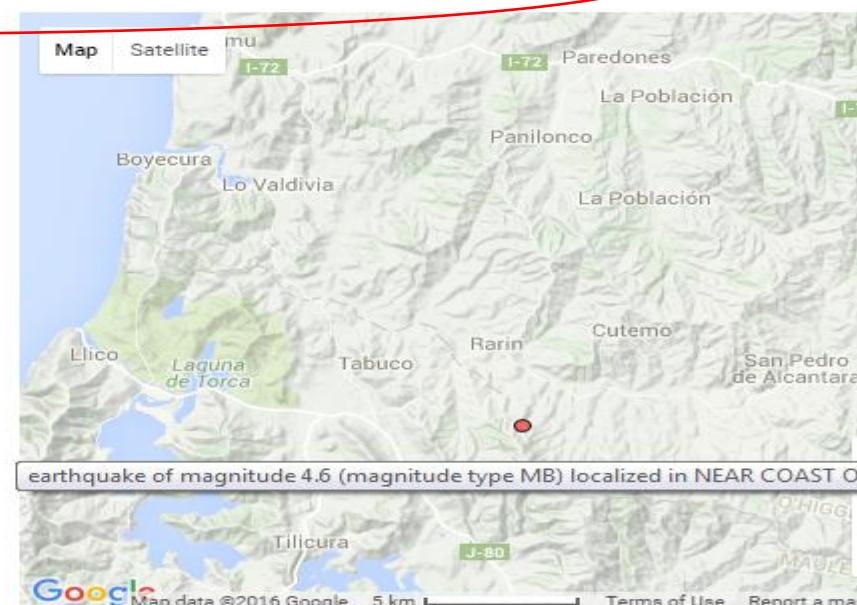
Magnitude: 4.5 MWR

Depth: -94.1 km

earthquake of magnitude 4.0 (magnitude type MB)

localized in CENTRAL CHILE at lat: -35.626; lon: -71.416;

depth: -97.1 km depth



earthquake of magnitude 4.6 (magnitude type MB) localized in NEAR COAST O

Terms of Use Report a m



Links to:

The screenshot shows the official website of the Chilean National Emergency Service (ONEMI). At the top, there's a header with the Government of Chile logo, the ONEMI logo (Ministry of Interior and Public Security), and links for 'Repositorio', 'Sitios de interés', and 'Newsletter'. Social media icons for Twitter, YouTube, and RSS are also present.

A red banner at the top right displays a weather icon (rain) and the text: "24/03/2015 | 23:44 | Atacama" and "Se declara Alerta Roja para la comuna de Alto del Carmen por evento hidrometeorológico".

The main content area features a section titled "CONOCE NUESTRAS RECOMENDACIONES" with icons for various disasters: Aluviones, Eruptiones Volcánicas, Incendios Estructurales, Incendios Forestales, Inundaciones, Terremoto, and Tsunami. It also includes a link "Ver más...".

To the right, there's a box titled "RECOMENDACIONES PARA LA PREPARACIÓN Y RESPUESTA ANTE TSUNAMI" with images related to tsunami preparedness. Below it, a box states: "La Escala de Mercalli es aquella que mide los efectos de un sismo." and "Infórmate y conócela aquí". Another box is labeled "Preparación Inclusiva" with an icon of people in wheelchairs.

At the bottom, there's a section titled "ALERTAS" with three active alerts: "Biobío Monitoreo Alerta Amarilla volcán Copahue" (07/09/2015 | 10:00), "Araucanía, Los Ríos Monitoreo por actividad del Volcán Villarrica" (07/09/2015 | 09:58), and "Antofagasta Se declara Alerta Temprana Preventiva para las provincias de Antofagasta y El Loa por viento intenso" (05/09/2015 | 23:16).

On the far right, there's a "Tipos de alertas" button and a "Ver todas" link. The bottom right corner features the logo for "CENTRO DE APLICACIONES AEROESPACIALES" and a circular logo for "SAT DRONE".

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Links to:

CONAF

The screenshot shows the official website of CONAF (Corporación Nacional Forestal de Chile). The top navigation bar includes links for 'QUÉNES SOMOS', 'SERVICIOS EN LÍNEA', 'CENTRO DE DOCUMENTACIÓN', 'TRÁMITES CONAF', 'PREGUNTAS FRECUENTES', and 'CONTACTO'. Logos for CONAF and the Ministry of Agriculture (Gobierno de Chile) are displayed. The main menu features 'INCIO', 'NUESTROS BOSQUES', 'PARQUES NACIONALES', 'INCENDIOS FORESTALES' (highlighted in green), 'CONAF EN REGIONES', 'FORESTIN EDUCA', and 'NOTICIAS'. A large image of a forest hillside showing extensive tree mortality from a fire dominates the center. A green sidebar on the left contains text about fire seasons and prevention, along with links to 'Incendios Forestales en Chile', 'Número de incendios forestales y superficie afectada a la fecha', and 'Estadísticas históricas'. A red box at the bottom left displays the 'Situación nacional de INCENDIOS FORESTALES' with a flame logo. A group photo of people is visible in the bottom right corner.

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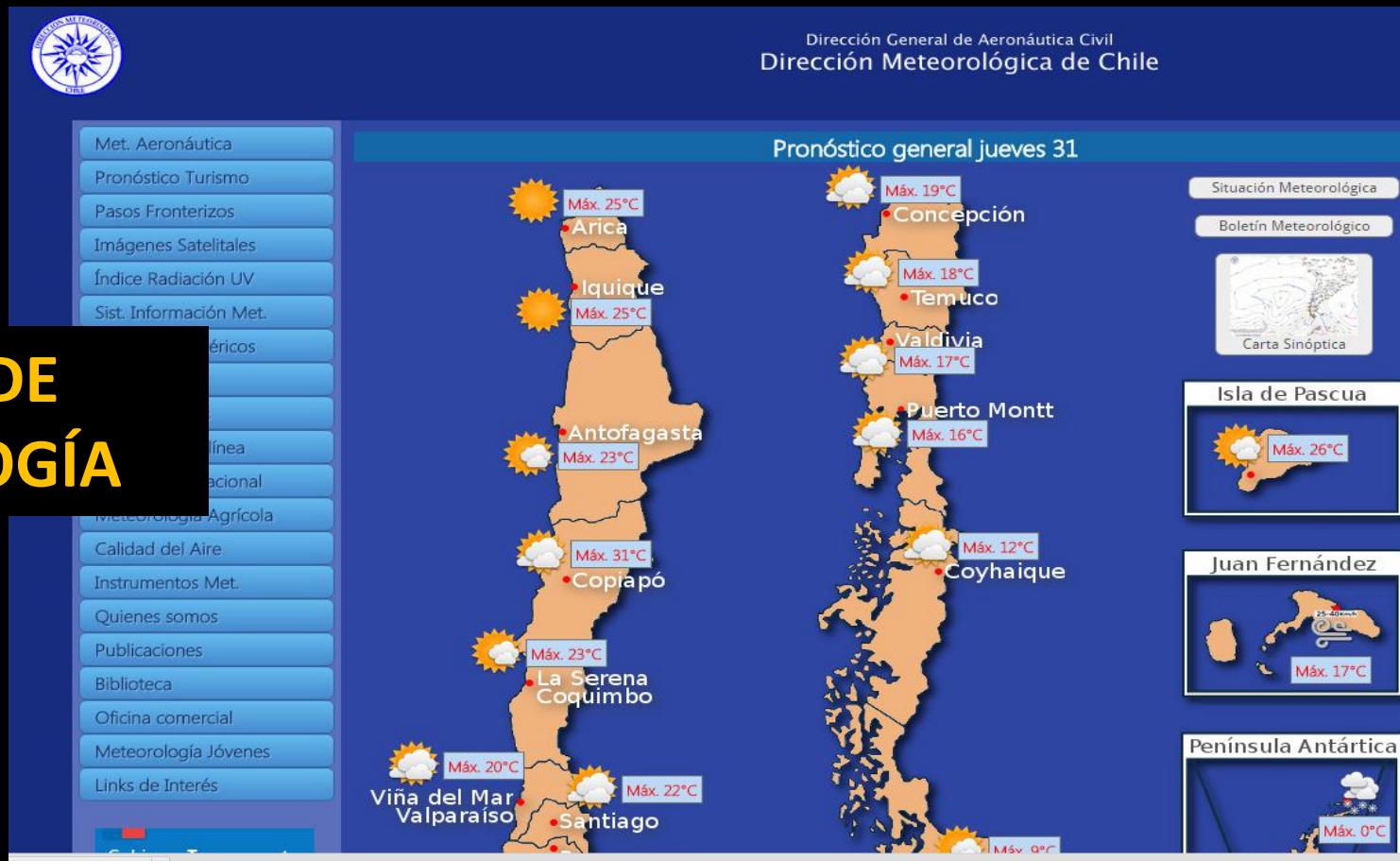


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Links to:



DIRECCIÓN DE METEOROLOGÍA

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Links to:



CSN
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Mantente al tanto de los últimos acontecimientos:

Último sismo: [2016/03/31 08:26:08](#)

Últimos 7 días: [2016/03/31 07:32:07](#)

Últimos 30 días: [2016/03/31 07:06:02](#)

Últimos 3 meses: [2016/03/31 06:27:23](#)

Último mes: [2016/03/31 05:42:23](#)

Última semana: [2016/03/31 04:53:28](#)

Última hora: [2016/03/31 04:30:59](#)

Últimos 24 horas: [2016/03/31 01:20:21](#)

Últimos 15 minutos: [2016/03/30 23:51:39](#)

Últimos 5 minutos: [2016/03/30 21:54:37](#)

Últimos 30 segundos: [2016/03/30 21:06:05](#)

Últimos 10 segundos: [2016/03/30 11:56:45](#)

Últimos 5 segundos: [2016/03/30 09:27:03](#)

Últimos 3 segundos: [2016/03/30 03:32:24](#)

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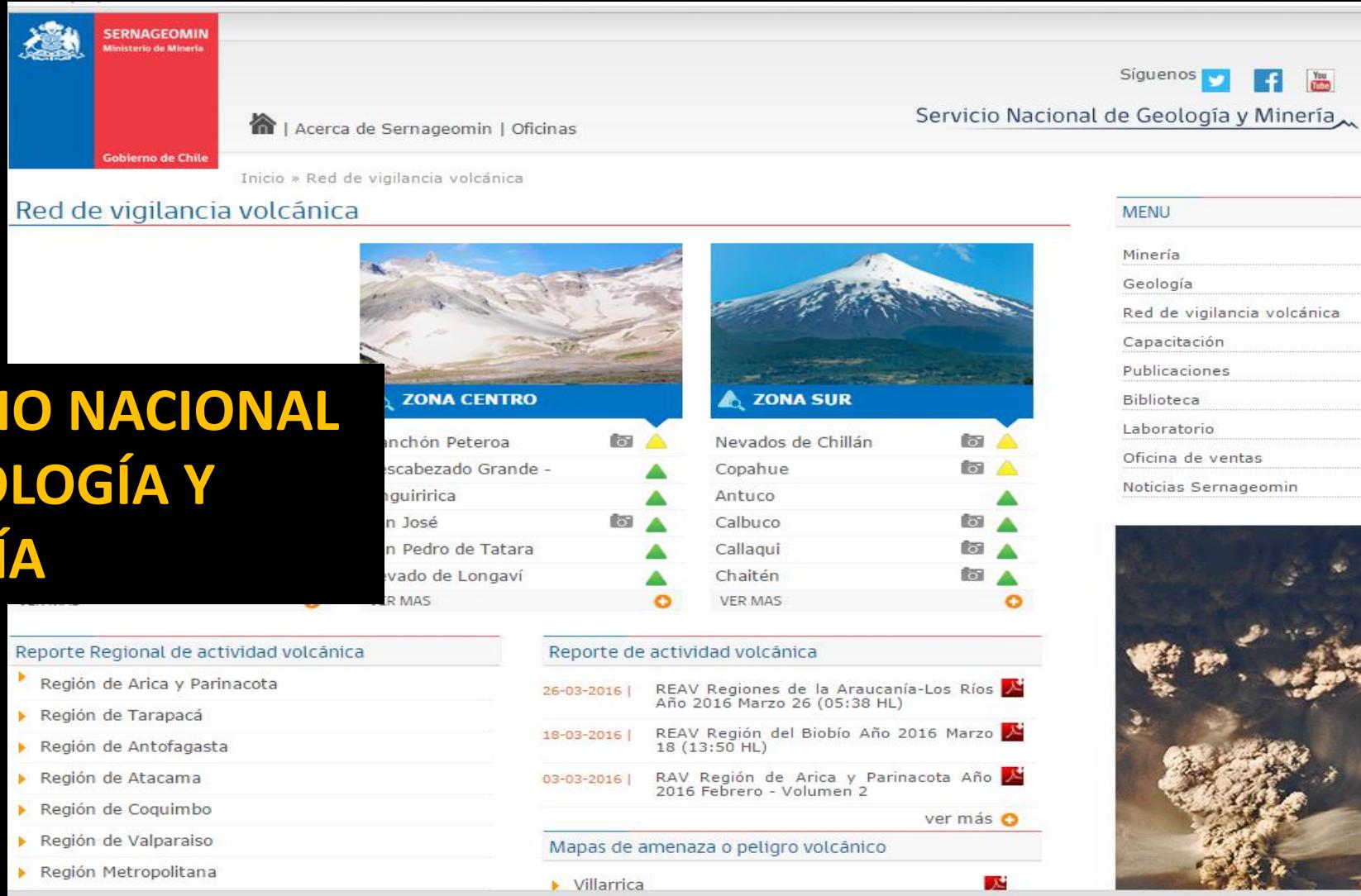
Fecha Local	Lugar	Magnitud
2016/03/31 08:26:08	34 km al SE de Calama	3.1 MI
2016/03/31 07:32:07	52 km al S de Camiña	3.8 MI
2016/03/31 07:06:02	33 km al SO de Tongoy	3.5 MI
2016/03/31 06:27:23	101 km al O de Iquique	4.1 MI
2016/03/31 05:42:23	42 km al SO de Los Vilos	3.0 MI
2016/03/31 04:53:28	25 km al SE de Calama	5.0 MI
2016/03/31 04:30:59	20 km al SO de Mina Collahuasi	3.5 MI
2016/03/31 01:20:21	51 km al S de Mina Collahuasi	3.2 MI
2016/03/30 23:51:39	73 km al NO de Quillagua	3.5 MI
2016/03/30 21:54:37	14 km al NO de Los Vilos	3.1 MI
2016/03/30 21:06:05	47 km al SE de Curicó	3.2 MI
2016/03/30 11:56:45	52 km al O de Tongoy	3.1 MI
2016/03/30 09:27:03	15 km al E de Tongoy	3.1 MI
2016/03/30 03:32:24	148 km al O de Tirúa	4.1 MI
2016/03/29 23:37:34	36 km al O de Punitaqui	3.7 MI

[Ver detalles](#)



CHILEAN GEO CLIENT APPLICATION FOR DISASTERS

Links to:



The screenshot shows the official website of the Servicio Nacional de Geología y Minería (Sernageomin) under the Ministry of Mining of Chile. The header includes the Chilean coat of arms, the Sernageomin logo, and the text "Gobierno de Chile". The main navigation menu includes links to "Acerca de Sernageomin", "Oficinas", "Inicio", "Red de vigilancia volcánica", and "Servicio Nacional de Geología y Minería". Below the menu, there are two sections: "ZONA CENTRO" and "ZONA SUR", each listing several active volcanoes with status indicators (green triangle for low risk, yellow triangle for medium risk, red camera icon for high risk). The "ZONA CENTRO" section lists: Lanín, Llaima, Lanco, Chaitén, Calbuco, Callaqui, Antuco, Copahue, Nevados de Chillán, and Volcán Pedro de Tatara. The "ZONA SUR" section lists: Nevados de Chillán, Copahue, Antuco, Calbuco, Callaqui, Chaitén, and Volcán Pedro de Tatara. There are also links to "VER MAS" and "Reporte Regional de actividad volcánica" (with links to Arica y Parinacota, Tarapacá, Antofagasta, Atacama, Coquimbo, Valparaíso, and Metropolitana regions), "Reporte de actividad volcánica" (with links to Araucanía-Los Ríos, Biobío, and Arica y Parinacota regions), and "Mapas de amenaza o peligro volcánico" (with a link to Villarrica).



CHILEAN GEO CLIENT APPLICATION FOR DISASTERS

Links to:

The screenshot shows the homepage of the IDE Chile website. At the top, there are links for the Ministerio de Bienes Nacionales and the IDE CHILE logo. Below the header is a navigation menu with options: INICIO, ACERCA DE, IDES EN CHILE, NOTICIAS, DESCARGAS, ACTIVIDADES, VÍNCULOS, and CONTACTO. The main content area features a large map titled "Visor de Mapas IDE" with various geographical features and labels like "ZET", "ZC", "ZM", "ZV", "ZP", "ZER", "ZT", "ZR", "ZI", "ZAR", and "Cerro-Arauco". Below the map, there's a banner with the text "Diseña, analiza, comparte" and a "Entrar" button. To the right of the map, there are sections for "Gobierno de Chile" and "Ministerio de Bienes Nacionales". At the bottom, there are sections for "Últimos Artículos" and "Artículos Más Leídos", along with a "Tags" cloud.

INFRAESTRUCTURA DE DATOS GEOESPAZIALES IDE - SNIT

Últimos Artículos

Concluye exitosamente taller de creación de capacidades en materias de información territorial a los países de la Asociación de Estados del Caribe. IDE Chile

Con la participación del Embajador de Chile en Cuba, Gonzalo Mendoza, el Presidente del Capítulo Regional de las Naciones Unidas para el manejo de Información Geoespacial en...

Ningún Comentario |

Artículos Más Leídos

Lanzamiento de visor de mapas con información territorial para la toma de decisiones IDE Chile

La plataforma online tiene información de planes reguladores, red vial, aeropuertos, puertos, colegios, centros de salud y zonas de interés turístico, recursos mineros e...

9 Comentarios | 3.3/5 Rating (35 votos)

Tags

ique, imágenes, taller, seminario, capacitación, IDE, Normas, Interoperabilidad, Visor IDE, WMS, Atlas de la Justicia, incendio

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CHILEAN GEO CLIENT APPLICATION FOR DISASTERS

Links to:

The screenshot shows the GEO website homepage for the GEO Week 2017 conference. The header features the GEO logo and the text "GROUP ON EARTH OBSERVATIONS". Below the header, there's a banner for "GEO Week 2017 GEO-XIV Plenary" held from "23-27 October 2017, Washington D.C. United States". The banner includes a background image of the U.S. National Mall. The main navigation menu includes links for "Who we are", "What we do", "News", "Get Involved", "Get Data Now", and "About Us". The "News" section is currently active, showing a news item about a "Geomatics for a Sustainable Environment" program including a "GENEVA SUMMER SCHOOL" from 4-15 September 2017. Other news items include a blog post about EO data for DRR and a mention of the "PECORA 20 OBSERVING A CHANGING EARTH" symposium. On the right side, there's a "Tweets" sidebar from @GEOSEC2025 and a "GEOSS Portal" sidebar.



Conclusions

The AIP-GEO Chile initiative seeks to continue working and developing the client application, applying spatial data standards and the GEO sharing principles to the case of disasters.

The application will need to be tested and improved with user evaluations and feedback.

We will need to integrate other geographic metadata and specific sensors information

We need to improve the web site design and data input/output features, keeping it user friendly.



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28th International Cartographic Conference 2017

CHILEAN GEO CLIENT APPLICATION FOR DISASTERS

GEO GROUP ON
EARTH OBSERVATIONS
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STRENGTH TO PREVAIL



CHILEAN GEO CLIENT APPLICATION FOR DISASTERS



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