The Pupitre System:
A Desk News System for the Parliamentary Meeting Rooms

By Luis Armando Gonzalez, CIO at
Library of the National Congress of Chile
Agenda

• The BCN: Who we are
• Information Technology at BCN
• BCN Numbers
• BCN Web Portals
• The News Service
• The Pupitre System
• System Description
• Conclusions and Future Work
The BCN: Who we are

- BCN: The Library of the National Congress of Chile
- Bicameral System: Senate and Deputy Chamber
- BCN is the third member or legislative Power
The BCN: Who we are

- **Mission (extract)**
  - To support the Parliamentary Community in its constitutional functions (To make laws and Control).
  - Provide products and services of information, based in quality, accessibility, on time, relevancy and neutral politically (example The Pupitre System)
  - Contribute to linking between the National Congress of Chile and the citizens.
  - Provide access to its legal and historical heritage.
Information Technology Department at BCN

• We research about the application of new technologies and bibliographic standards like Akomantoso and RDA, for the library services

• We development systems about knowledge management
  • for example visualization of national budget

• We align technological projects with the strategic plan of the BCN
BCN Numbers

1883
BCN was established

240
Employees
10% are working in IT Department

38MM
Pages visited last year

BUDGET
for 2016 is 18 million US dollars, 6% for hardware, software and services, and 6% for IT employees

IT employees

14
Main websites
The top 3 most visited are: LeyChile, Web BCN and LeyFácil

LEY CHILE
Offers for free its legislative database, which has 300,000 laws, from 1810 up to now

$US 2,13 MM
2016 BCN IT's costs

$US 2,130
IT's costs per user (1000 users)

225M
Titles catalog BCN

BCN borrowed 19,000 titles to parliament community and citizens
The News Service

- BCN has a press service since 1950 started with the collection of printed newspapers. It was printed clippings legislation articles.
- In 2000 we introduce a digitalization of press clippings and electronic consultations.
- The system evolved to acquire the services from a provider of press clippings scanned with OCR.
- We developed an in-house system, for consultation, according to the use requirements from researchers and parliamentarians.
- Collects press news published from different media:
  - 79 Newsmagazines, 137 newspapers, broadcast news: 14 radio, 15 TV and television), and Internet news: 95 online journals.
The News Services *(main screen)*

Main screen with an universal search box, and filters for media and dates.

This example is searching for Transportation in all media between 07/01/16 and 08/01/16

- At the left shows the links to the articles about the topic
- At the right shows the media and number of hit of the topic
ANUNCIAN MEJORAS AL TRANSPORTE PÚBLICO DE BUSES EN VILLARRICA

El Diario Austral de la Araucanía, Temuco 1 de Agosto 2016 p. 7 Actualidad

MEDIDAS. Ministro Gómez-Lobo explicó que éste es el primer plan conocido como "perímetro de exclusión", que se implementa en el país.

El ministro de Transporte, Andrés Gómez-Lobo, junto al intendente Andrés Jouanno, explicó que Villarrica Te Muve -nombre del Plan- será el primero en implementarse en el país y que forma parte de la política pública del Ministerio que busca generar cambios en los sistemas de locomoción colectiva de las regiones a través de la entrega de recursos de la ley de Subsidio al Transporte Público, para así mejorar el servicio que se entrega a los usuarios.

De esta manera, los actuales recorridos mejoraran sus trazados, para llegar más directamente a los lugares de interés, además, los letreros de recorrido también experimentarán un cambio en su nomenclatura, mejorando su imagen para hacerlos más entendibles para los usuarios.

Mayores control

El ministro añadió que "los operadores deberán cumplir con factores medibles, como frecuencias, horarios de funcionamiento y..."
The Pupitre System:

• Is a personalized subsystem, only for parliamentarians whose main objective is

• To deliver news of interest for the parliamentarian when they are working in the meeting room of the parliament, in a customized way, focused on each parliamentarian and the topic of their individual interest.
The Parliamentary Meeting Rooms

Senate of Chile
The Parliamentary Meeting Rooms

Chamber of Deputies (120 deputies)                             Senate (38 senators)
The Pupitre System

• The BCN installed the access for Pupitre system on the screen of the computer assigned to each parliamentarian, in both meeting rooms.

• Is an exclusive news system for access only for parliamentarian with automatic recognition, according to his/her seat.
The Pupitre System:

- **Its main characteristics are:**
  - Automatic authentication in the computer of the meeting room assigned to each parliamentarian
  - On-the-fly displays The last news:
    - Where the parliamentarian is mentioned
    - Where the political party of the parliament is mentioned
    - News about topic of the parliamentarian interest
  - Shows the Outstanding news of the last weeks (hot topics)
  - Allows define topics: A set of searches saved for the parliamentarian retrieved with updated news.
  - Filtered search news by date, by media.
The Pupitre System:

- Main screen options
- My News
- My Political Party
- Outstanding News
The system shows a list of the most recent news where the name of the parliamentarian appears mentioned in the title or in the detail of the article.
My Political Party (Mi partido)

Similar list for the parliamentarian’s political party.
Outstanding News and News Map (Hot Topics)

List the currently recurrent topics in the press, for the last week.

- ANFP, Balón, Salah, Sampaoli
- Natalia Compagnon, Cavall, querella, SII
- Rally Dakar, Casale, cuadriciclos, Quintanilla
- colusión, FNE, pollo, Walmart
- gratuidad, matrículas, postulantes, PSU
- Jovino Novoa, Basura, Orpis, Undurraga
- Manchester City, One, Pellegrini
- Canciller Choquehuanca, Bolivia, ceder, diplomáticos
- prohibir fumar, Allende, enaltezcan, playas
The topic search can be saved in the system as a personal topic and updated in each access.
My Topics

When the parliamentarian has a saved topic, the system shows fresh news for this topic in the next access.

aluviones damnificados lluvias tormenta 2015-03-31

LA ENCICLOPEDIA DEL AÑO De la A a la Z Las palabras que definieron el 2015 (PARTE I)

2015/12/19, La Tercera, p.1-2-3-4-5-6-8-9-10-12, Tendencias

reforma educacional 2015-03-25

Carlos Montes: "Se perdió el apoyo popular en reformas que tienen una gran base, pero que tuvieron una gran distancia en la implementación"

15/01/2016, Pulso, p.30,

Autoridades visitan a joven que obtuvo gratuidad en la región

15/01/2016, El Centro_Talca, p.4,

Jóvenes de familias vulnerables de mejor rendimiento académico

15/01/2016, La Región_Coquimbo, p.10,

Rectores buscan la unidad de las Ues

15/01/2016, La Estrella_Arica, p.4,
Conclusions

• The Library of Congress of Chile developed a powerful tool of news, with customized information for each parliamentarian
• Pupitre system delivers: news, topics and contingency in a customized view, and it is not necessary visiting multiple web sites of the news media.
• The system saves time and efforts for search
• The results obtained shows a parliamentary community more informed and with a new useful tool for their legislative work.
Future Work

• We want to give access to Pupitre system through the parliamentarian's cellphone and tablets

• For that reason we are testing authentication in Android and Apple’s systems.

• The first automatic authentication tests, in mobile devices, have been successful.
Thank you for your attention