



# How **Open Source** helps Governments meet compliance.

Open First Day | Sept 28, 2018





## About Me.

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Tel: 613-596-1919 xt 110

Managing Partner at OpenPlus. 15+ yrs devoted Open Source advocate and co-founder of Open Source Alliance of Canada.

OpenPlus is dedicated to **Public Sector, Canadian Government** initiatives

- **Websites, Portals, Intranets, Collaborative Apps**
- All our projects are **Multilingual, Accessible, Mobile Responsive**
- Experts in Enterprise **Drupal, Solr, WxT** + WebServices API Integrations
- Local Company, East Ottawa (Projects Coast to Coast to Coast)





Open Source is about much more than  
Open Code and free licenses...

**It organically facilitates co-development,  
helping communities achieve common goals,  
helps standards compliance, and improves  
security.**



Did you know...  
**Canada is a leader in  
standards compliance  
within Open Source  
communities.**

1

Accessibility

2

Language

3

Browsers &amp; Mobile

4

Interoperability, API, Data

5

Security





Innovation, Science and Economic Development - Government of Canada

# ISED Profiles Portal.

The Story of the direct organic impact of Open Source co-creation and compliance.





# ISED Requirements.. Scientists & Professionals Profiles App Modernization.

End of Life (.ASP), custom & proprietary aspects, could not be modified. Data could not be modified (Dated profiles).

1

Meet WxT 4 compliance, including Accessibility, Language, Cross-browser, Mobile Responsive

2

Support the Canada.ca WRI Governance model. Working from reference page

3

Authenticated Public Portal application with Self-Serve Accounts

4

Move and fix 2,000 users, including their accounts and all their relational data

5

Workflow and Approvals (incl. a Process to manage account changes and correspondence to users)

6

Open API for other departments

7

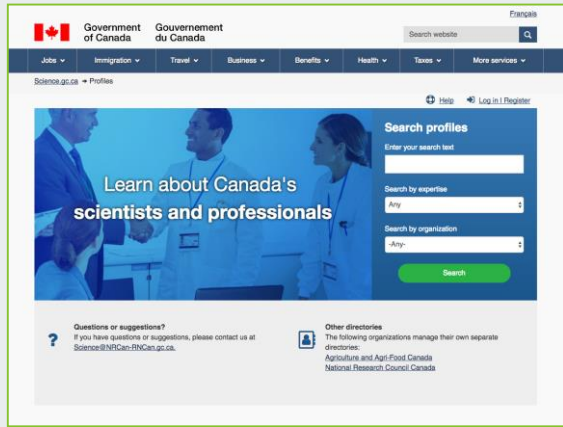
Managed Service, Canadian Soil, Privacy Data



# ISED Result

<https://profils-profiles.science.gc.ca>

**30 Days** - Start to launch



1

**100%** Open Source (DrupalWxT)

2

WxT4 compliant - **Little to no code**  
WCAG 2.0 Level AA, and Proper multilingual

3

Canada.ca WRI friendly  
(with CDN headers/footers, Breadcrumb)

4

OpenAPI WebServices, Taxonomy Controlled  
Vocab. As a Service (In hours!) + OpenData  
Ready

5

Bulk Scripted Migrated of accounts, with  
cleansing of respective relational data.

6

Workflow and Account managed already  
SA&A/TRA Trained staff

7

Cloud AWS, Canadian Region (Managed  
Service) with Active Maintenance, Security  
patches etc.



Government of Canada / Gouvernement du Canada

Search website

Jobs Immigration Travel Business Benefits Health Taxes More services

Science.gc.ca → Profiles

Help Log in / Register

### Search profiles

Enter your search text

Search by expertise

Any

Search by organization

-Any-

Search

Learn about the Government of Canada's scientists and professionals

If you have questions or suggestions, please contact us at [ic.science.gc@canada.ca](mailto:ic.science.gc@canada.ca)

Other directories

The following organizations manage their own separate directories:

- Agriculture and Agri-Food Canada
- National Research Council Canada

### Government of Canada activities and initiatives

#YourBudget2018 – Advancement

Advancing our shared values

#YourBudget2018 – Reconciliation

Advancing reconciliation with Indigenous Peoples

#YourBudget2018 – Progress

Supporting Canada's researchers to build a more innovative economy

Contact us

Departments and agencies

Public service and military

News

Treaties, laws and regulations

Government-wide reporting

Prime Minister

How government works

Open government

Canada

Government of Canada / Gouvernement du Canada

Search website

Jobs Immigration Travel Business Benefits Health Taxes More services

Back to Science.gc.ca → Profiles Home

My account Help Log out

### Browse Profiles

Search

Search found 708 items

Environment February 2017

#### Robert Stewart

Title: Research scientist and Head of Marine Mammal Section  
Organization: Fisheries and Oceans Canada  
Location: Freshwater Institute Science Laboratory (FWI), Yellowknife Office, N.W.T.

#### J. Craig McNaughton

Title: Director  
Role: Integrate external (e.g., academic) knowledge and internal (e.g., government) knowledge on emerging issues of public policy.  
Organization: Policy Horizons Canada  
Location: Policy Horizons Canada, Ottawa

#### Marie-Hélène Thériault

Organization: Fisheries and Oceans Canada  
Location: Gulf Fisheries Centre, Gulf Region

#### Glen Forbes

Title: Forest Insect Technician  
Organization: Natural Resources Canada  
Location: Atlantic Forestry Centre

#### Bechara (Bash) Toulany

Filter by date created: February 2017

Filter by expertise:

Environment	510
Nature & Wildlife	312
Water	180
Ecology	82
Climate	78
Weather & Meteorology	49
Technology	254
Sciences	97
Mapping	77
Health	72
Technology	46
Aquatic Science	43
Food	

Filter by organization:

Search and menus

Search website

Français

- Jobs
- Immigration
- Travel
- Business
- Benefits
- Health
- Taxes
- More services
- Contact us



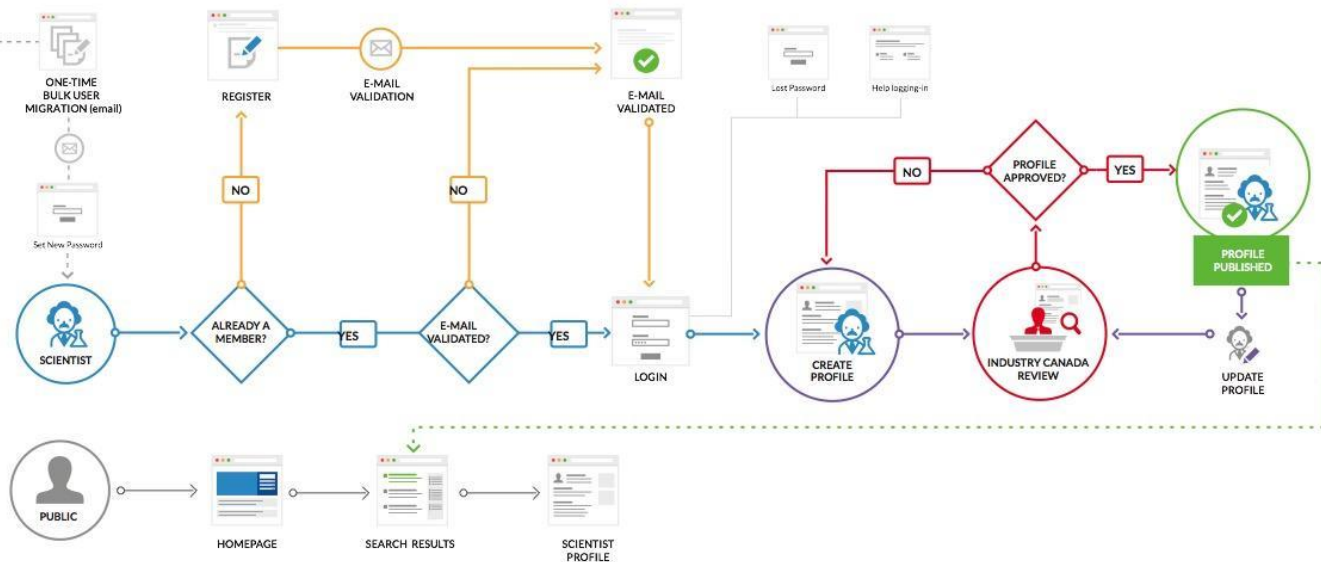


## Industry Canada: Scientist profile flow

Canada

Drupal

Web Experience Toolkit



Scientist Profiles portal allows scientists and professionals to create and manage their profile online. Industry Canada must review and publish those profiles online. The public can then search and learn more about the individual scientists and professionals.

### REGISTRATION

- Scientists that are not members can register to create their profile.
- Once the registration is successful:
  - The scientist will receive an e-mail to validate their e-mail address.
  - Once the e-mails is validated, the scientist will be allowed to login.

### ONE-TIME BULK USER REGISTRATION

- Importing all existing profiles and notifying users to set their password and access the new platform.

### LOGIN

- Scientists can use their username/e-mail and password to login to manage their profiles.
- Links to "Lost Password", "Register", and "Help logging-in" are provided for self serve account management.

The "Help" page can contain information or online forms for special requests, such as moving an account to a different department.

### PROFILE MANAGEMENT

- Scientist creates their profile by filling in all the required fields, including the French translation.
- Once the profile is complete, the scientist submits the profile for review.

### PROFILE REVIEW

- Profiles that are ready for publication are submitted to industry Canada for review.

### PROFILE PUBLICATION

- Profile is published and available to the public through the Search page. Search Facets are used to narrow down results by "Expertise" and "Organization"
- Profile updates go through the same review and approval process.

LEGEND  
 Start Point  
 End Point  
 User  
 System



Government of Canada / Gouvernement du Canada

Search website

Jobs Immigration Travel Business Benefits Health Taxes More services

Home

Help Log in / Register

Please enter your e-mail address \*

Password \*

Enter the password that accompanies your e-mail.  
If you forgot your password, [request a new password](#)

Log in

If you are not already registered please select the button below to create an account.

Create your account

Need help?

Lorem ipsum dolor adiscing elit. Dol efficitur augue. Nunc velit ut, imperdiet dolor, vitae cursus vel faucibus sodales viverra sodales se

Government of Canada / Gouvernement du Canada

Jobs Immigration Travel Business

Profiles Home → Profiles

My account Help Log out

View Edit

## Marchetti, Francesco

### Email

marchetti@1usemail.com

Profile				
Display name (formatted)	Created	Published version	Draft status	
Dr. Francesco Marchetti	2017-03-26	Yes	None	<a href="#">Create a new draft</a> <a href="#">Request unublish</a>

Government of Canada / Gouvernement du Canada

Search website

Jobs Immigration Travel Business Benefits Health Taxes More services

Home → Add content

My account Help Log out

## Create Profile

### Instructions

The tabs below allow you to access different sections of your profile. Go through all the steps from "General" to "Links" and fill in all the fields that apply to you. Steps marked with an asterisk (\*) indicate required fields that must be filled in.

One you have added the information, click the "Save as draft and translate" button at the bottom of this page. You can now add the translation of your profile or save it to finish later.

To save your work in progress and return to complete your profile at a later time, click the "Save as Draft" button.

When your profile is complete and translated, click on "Save and request publication."

General \* Location Professional Publications Expertise \* Links

**Formatted name \***

Enter your name as you wish it to appear online (e.g., Dr. Firstname I. Lastname, P.Eng.)

**Organization \***

- Select a value -

Please select the name of your organization from the drop-down menu. If your organization is not listed, please contact us at [Science@NRCan.gc.ca](mailto:Science@NRCan.gc.ca).

**Your title**

This is your position title (e.g., Research Scientist, Manager, Policy Advisor, etc.)

**Your role**

**Your picture**

[Choose File](#) No file chosen [Upload](#)

Upload a profile picture (optional).  
Files must be less than 5 MB.  
Allowed file types: png gif jpg jpeg.

**Language(s)**

☒ English  
☐ French


**Other language(s)**

**Contact information/GEDS link**



OpenPlus.ca

Prepared by Robin Galipeau

 **Government of Canada** / **Gouvernement du Canada**

Search website

Jobs Immigration Travel Business Benefits Health Taxes More services

Home Administration Workbench


## Needs review

My content Create content My drafts Needs review

Title	Type	Organization	Items per page
	- Any -		25

Apply

Moderation state	Set moderation state	Title	Organization	Revised by	Last update
Ready for publication View moderation history	• Change to <i>Draft</i> • Change to <i>Published</i>	Jessie R. Lavoie, MSc, PhD	Health Canada	Jessie R. Lavoie	20 hours 35 ago
Ready for publication View moderation history	• Change to <i>Draft</i> • Change to <i>Published</i>	Dr. Carrie J. Rickwood	Natural Resources Canada	Rickwood, Carrie	1 day 21 hours ago
Ready for publication View moderation history	• Change to <i>Draft</i> • Change to <i>Published</i>	Jeffrey Skevington	Agriculture and Agri-Food Canada	Jeffrey Skevington	2 weeks 23 hours ago

 **Government of Canada** / **Gouvernement du Canada**

Search website

Jobs Immigration Travel Business Benefits Health Taxes More services

Home Mikio Moriyasu

## History of Mikio Moriyasu

View published New draft Moderate Translate Devel

Revisions Compare revisions

Revision	Title	Date	Revision actions	Moderation actions
3635	Mikio Moriyasu Revised by admin	2017-03-26	<a href="#">View</a>   <a href="#">New draft</a>	This is the published revision. • From Published -> Published on 2017-03-26 by admin • From Published -> Published on 2017-03-26 by admin
2458	Mikio Moriyasu Revised by admin	2017-03-26	<a href="#">View</a>   <a href="#">Revert</a>   <a href="#">Delete</a>	• From Draft -> Published on 2017-03-26 by admin

Revision Compare Operations

March 26, 2017 - 9:15am by admin current revision

March 26, 2017 - 9:06am by admin Revert Delete

## Revisions for Mikio Moriyasu

View published New draft Moderate Translate Devel

March 26, 2017 - 9:06am by admin March 26, 2017 - 9:15am by admin

Standard Marked down

Changes to Your title

Head, Snow Crab Section

Changes to Current research and/or projects

toad crab, rock crab, lady crab and green crab) and also stock assessment of

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snow crab in the southern Gulf of St. Lawrence (Areas 12, E, F and 19).

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His principal research objectives are to clarify the mechanism of population

fluctuation of snow crab in relation to the commercial exploitation involving

a vast research field from ultramicroscopic study to population dynamics.

His

 **Government of Canada** / **Gouvernement du Canada**

Search website

Jobs Immigration Travel Business Benefits Health Taxes More services

Home Mikio Moriyasu

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His



# How can this be achieved this in **30 days**?

Web Experience Toolkit is born, and shared as Open Source by Treasury Board of Canada

## WxT-BOEW

DrupalWxT distribution takes flight. Many deployments, all 3 levels of gov, departments, agencies, institutions, crown corporations initiate builds. (Standards Council first crown)

## DrupalWxT

Provincial Government of PEI Web Renewal Initiative and Digital Services more to DrupalWxT.

## Provincial Gov PEI

20XX

20XX

20XX

20XX

20XX

20XX

20XX

## Statistics Canada

Statistics Canada aggressively adopts Drupal +WxT and also kickstarts OpenData, sharing OPENLY with community.

## Public Deployments

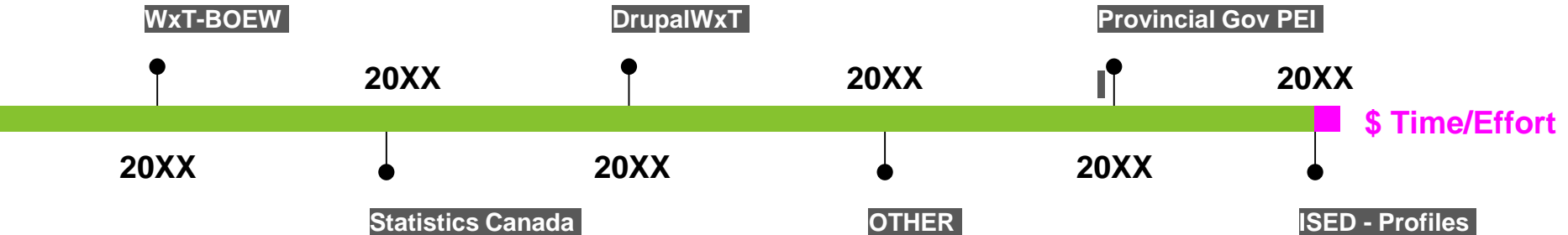
Many other similar projects in Canadian Public sector are built and deployed, contributing greatly.

## ISED - Profiles

Project Inherits community awesomeness..

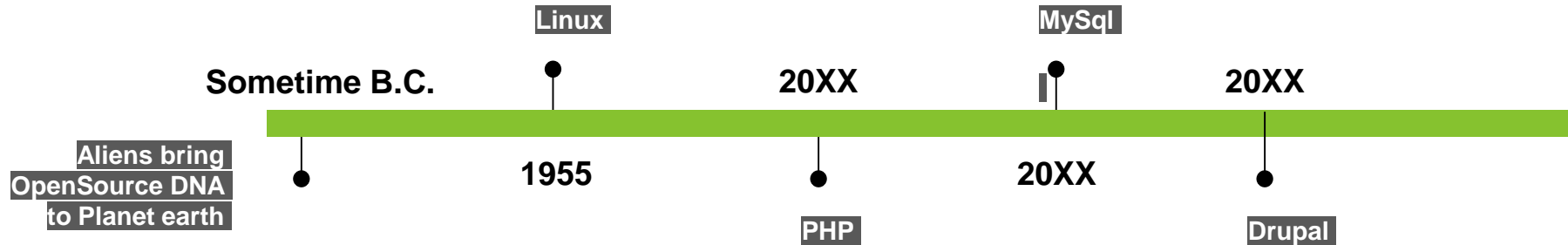


# Value to Cost Factor. GC time is money too.



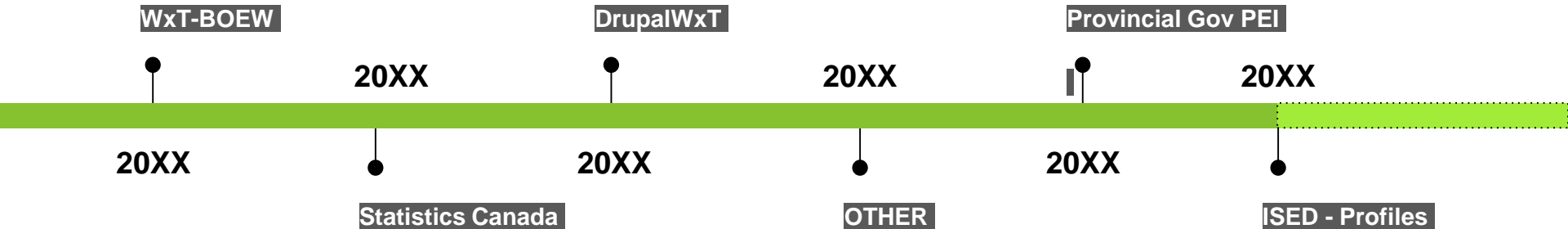


# It gets better. Factor the past





# It gets much better.





# Ready, Active & Growing. How will you keep up?

WxT 5 / REACT / WCAG 2.1

TODAY



**Your needs will GROW.**

So be agile, this is exponential.

What does future hold?





Provincial Government of Prince Edward Island

# Province Adopts DrupalWxT + Solr.

Another Open Source Success Story...  
**BIG** results, **Small** agile Government





# Achievements.

Gained tremendous value from mature Open Source community platform with Federal vetted initiatives. From Accessibility, browser testing, security and extendability, this was the best way forward to standardize and meet compliance. **Now self-sustained, adding sites and digital services as needed.**

People Trained

80

Content Management Team,  
DevOps, Digital Services.

Services Online

200+

Less than 10 minutes to add  
a Digital Service online.

Pages moved

80K

Amalgamation of over 50  
sites, now with improved  
governance.



<https://www.princeedwardisland.ca>

**Screenshots:**

Search Results First

Main site



<https://www.princeedwardisland.ca>

**Screenshots:**

**Centralized Digital Services**



more

**Other similar Open Source  
public sector adoptions Stories.**



# Yukon + DrupalWxT

**Yukon Digital Standard**

Transactional services guide ▾ Content design guide ▾ Design guide ▾ Meet the standard ▾ eServices Platform

**Government of Yukon Digital Standard**

The Digital Standard provides detailed guidance for teams building government services that are simpler, clearer and faster for everyone.

Contact [eservices@gov.yk.ca](mailto:eservices@gov.yk.ca) if you have any comments or questions.

**Agile delivery process**  
How to work in an agile way, including phases and techniques.

**Code management and deployment**  
How we manage development and deployment of code.

**Content design guide**  
How to develop and edit content for Government of Yukon.

**Design patterns**  
Solutions to common transactional service design problems.

**Digital service standard criteria**  
The criteria we've developed that need to inform service design.

**eServices Platform**  
The technology that supports service development at Government of Yukon.

**Meet the standard**  
All public-facing government services must meet the standard.

**Service assessments**

Government of Yukon 2018  
Copyright  
Disclaimer  
Privacy statement

**Yukon Labour Market Information**

Labour Market Information

Learn More

Get statistics Find and hire employees Plan a career

Labour Market Information, Twitter

Search and menu

Yukon Web

Search LMI Web Portal

Find and hire employees

Plan a career

Get statistics

People and the economy

Regional Statistics

Jobs in demand

Business trends

Get statistics - More

Find and hire employees

Plan a career

Search

Emergencies and safety

Get emergency updates

Make an emergency plan

Prevent and prepare for wildfires

Employment

Education and schools

Public engagement opportunities

Contact the government

Find out what the government is doing about cannabis

Your government

Outdoor recreation and wildlife

Housing and property

Immigration

Driving and transportation

Health and wellness

Doing business

Arts and events

Births, marriages and deaths

Legal and social supports



# Municipal + DrupalWxT

**Hamilton**

**Living In**  
City services and programs for residents.

**Doing Business**  
Start, grow and operate your business here.

**Discovering Hamilton**  
Explore the best the City has to offer to visitors and newcomers.

**City Hall**  
Connect to the Mayor & Councilors, meetings, planning & development.

**Rogers Hometown Hockey**  
Join us April 8 & 9 for Rogers Hometown Hockey at Pier 8. Celebrate our passion for hockey with a weekend of free outdoor activities!

**More HSR Bus Schedules & Fares**

- Find your bus with Real-time Bus Tracker
- Find current PDF bus schedules
- Apply for the Affordable Transit Pass

**More HSR Bus Schedules & Fares**

**Parks & Recreation**

- View Skiing, Swim and Gym Schedules
- Apply for Recreation Fee Assistance
- Test ice time, falls, diamonds and parks

**More Parks & Recreation**

**Streets & Transportation**

- Play your parking or speeding (Real PAV)
- Find road closures in your area
- View top cycling routes and maps

**More Streets & Transportation**

**Lobbyist Registry Search**

Home > Government > Accountability > Lobbyist Registry > Search

This Lobbyist Registry is a searchable accountability and transparency tool that allows you to search for registered lobbying activities with City of Hamilton's public officials.

Displaying 1 - 4 of 4 records found

Report	Subject matter category	Lobbying date
Innovation Topics	Artificial Intelligence	E.g. 10/15/2017 - E.g. 10/16/2017

Apply | Reset

Lobbyist Name	Client / Organization	Lobbyist type	Category	Lobbyist affiliation	Lobbying period	Status
DRUG BUSINESS	Joe Browning ABDO	Volunteer	Affordable Housing	Evergreen, Fred Meach, Jackson, Tom, Councilors, Bess, Samantha - Assistant	2016-06-22 to 2016-06-22	Active
DRUG BUSINESS	John Black Tee	Volunteer	Affordable Housing	Evergreen, Fred Meach	2015-08-01 to 2016-08-01	Active

**ACCOUNTABILITY**

Lobbyist Registry

**Ottawa**

Residents | Business | Visitors | City Hall

**What's new**

**Service Ottawa**  
3-1-1

**Top services**

- Winter road and sidewalk maintenance
- Register for recreation programs
- Garbage and recycling collection calendar
- Play a parking ticket
- Play a traffic ticket
- Get a blue box, black box or green box

**Garbage and recycling collection calendar**

Use this tool to confirm your collection day and to see what is being collected on your next pick-up day. You can also:

- View, download and print the Collection Calendar
- Sign up for personal (Home, Office or School)
- Submit to your personal calendar (iCal, Google Calendar, Microsoft Outlook)
- Request that a collection be made to your home

**Choose a category:**

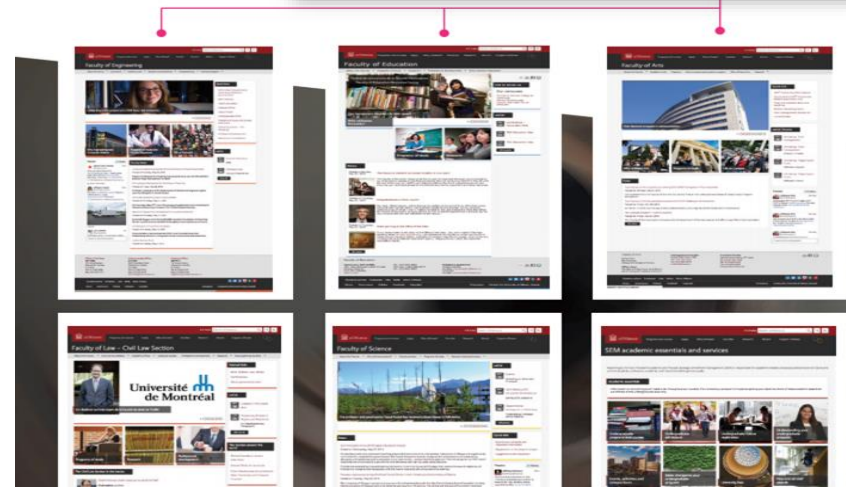
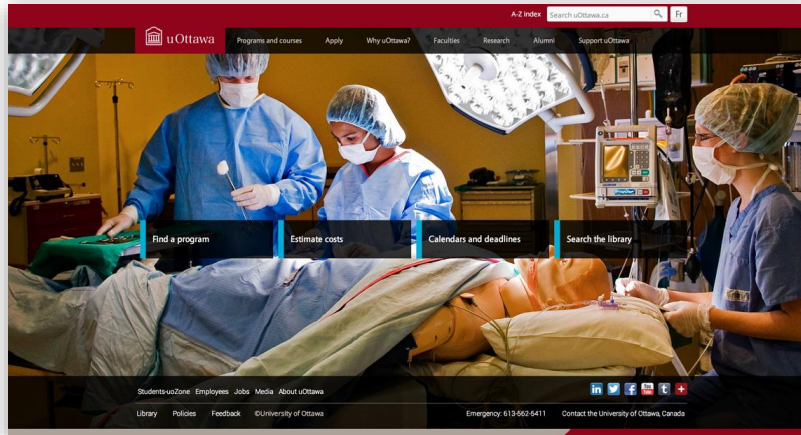
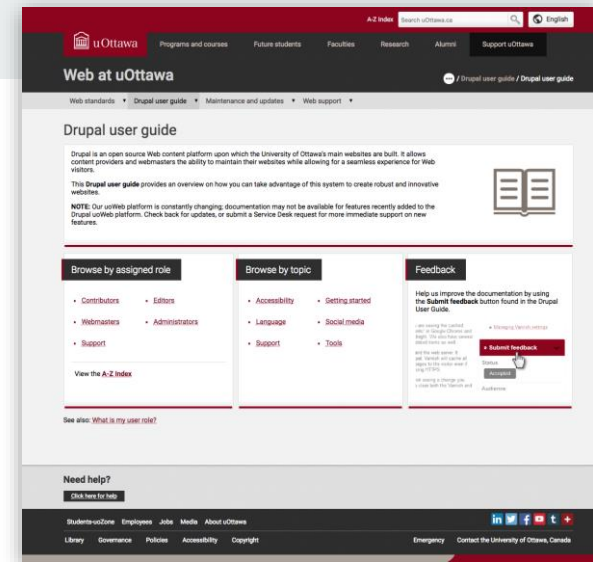
- Home
- Office and School
- Business and Industry
- Government and Public
- Health and Safety
- City Hall

**How online services**

- Download and print the calendar
- Submit to your personal calendar
- View, print and save your list
- Submit your feedback



# uOttawa + Drupal AODA



Students Portal

Employees Portal







# Government of Canada

## Quick Screenshot / GC OpenSource

- VAC
- UN
- Gazette
- CATSA
- MHCC
- HC - CT/Intra
- NRC - Intra +



## Factors

Critical Mass Communities  
**provide better Open Source  
options, and make for easier  
compliance.**



# Critical Mass Factors.



01

## Extendability & Pace of Innovation

Instead of writing code for a specific need, consider leveraging something existing, widely supported.. and improve if/when needed.

## Security & Transparency

Security through obscurity has failed.  
Working in an transparent large mature Open Source community ensures better security.



03

## Compatibility & Compliance

Open content architecture means better data governance, easier data import and export, more standards compliance, full OpenAPI.



02



# Critical Mass Factors.

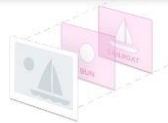
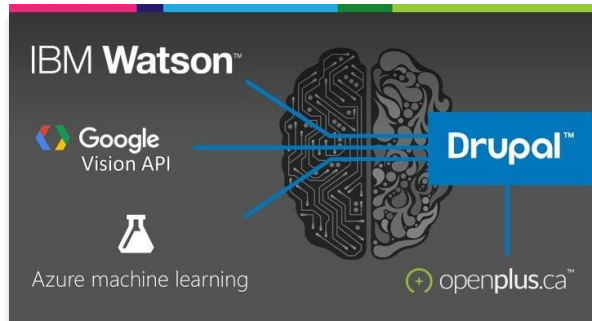
- **Language:** 160 + Languages, TBS standard (e.g. IRS.gov 9 languages, language packs)
- **Interoperability:** OpenAPI, XML, REST, Federated Content/Search
- **Maintainability:** Protects equity knowing critical mass. Risk of custom code
- **Community & Support:** Large presence local/global, means stability and support options
- **Portability:** On-Premise, clouds: AWS, Azure, (OpenShift, Docker, K8)
- **Cost:** No licensing gauntlet, No vendor Lock-in, (Cloud lock-in / Code lock-in)

For Profit decision making should not be able to govern or control Open Source community.

The community is always in the driver's seat. (OpenOffice, MySQL, GitHub)



# Innovation Drupal + AI



## Drupal™

### Download & Extend

[Drupal Core](#) [Distributions](#) [Modules](#) [Themes](#)

### Automatic Alternative Text

[View](#) [Version control](#) [Automated testing](#)

Posted by [slowflyer](#) on 6 November 2017, updated 31 January 2018

The module uses the [Microsoft Azure Cognitive Services API](#) to generate an Alternative Text for images when no Alternative Text has been provided by user.

About the API:

#### Computer Vision API - v1.0

The Computer Vision API provides state-of-the-art algorithms to process images and return information. For example, it can be used to determine if an image contains mature content, or it can be used to find all the faces in an image. It also has other features like estimating dominant and accent colors, categorizing the content of images, and describing an image with complete English sentences. Additionally, it can also intelligently generate images thumbnails for displaying large images effectively.



Microsoft  
Cognitive Services

#### Describe Image

This operation generates a description of an image in human readable language with complete sentences. The description is based on a collection of content tags, which are also returned by the operation. More than one description can be generated for each image. Descriptions are ordered by their confidence score. All descriptions are in English.

Here is a real world example, no demo content:

- Alternate text is changed to: "a rainbow in the sky" by a confidence of 76.75%
- Your post has been saved.

admin posted  
5 minutes ago

What does Cognitive Intelligence see on this picture?





# Innovation Drupal + Alexa



Alexa Drupal

All Images Videos News Shopping More

About 614,000 results (0.45 seconds)

## Videos

**ABOUT US**

1:00:20

Get Started Developing with Alexa and Drupal

Twin Cities Drupal  
YouTube - Jun 24, 2017

0:54

Alexa Drupal 8 Demo

Mediacurrent Drupal  
YouTube - Aug 7, 2017

39:05

Drupal and Alexa - Interact with Drupal via voice commands ...

DrupalCampPoland  
YouTube - Jul 10, 2018

Why Drupal? Build Solutions Services Community Resources Association Try Drupal

# Documentation

Search documentation...

Drupal 8 Contributed modules Alexa

## Tutorial

Last updated on 11 May 2017

Alexa

Tutorial

In this basic example we will create an Alexa Skill that you will be able to invoke from your Echo by saying "Alexa, ask hello drupal from New York City" and Alexa will respond "Hello Drupal to New York City".

There is extensive documentation on how to set up your interaction model for Alexa Skills. Please see: <https://developer.amazon.com/public/solutions/alexa/alexa-skills-kit/get...>

## Requirements

There are some requirements for your Drupal site that must be met to integrate with the Alexa Service:

1. Your site has to be accessible online - Amazon's Alexa Service will be sending requests to the `/alexa/callback` path on your site.
2. Alexa Service callbacks can only be made via HTTPS, so your site must support it. A self-signed certificate can be used during Skill development, but a certificate signed by a trusted Certificate Authority is required to publish Skills.

## Create an Amazon Skill

1. Go to <https://developer.amazon.com> and sign in with your Amazon account.
2. Click **Alexa** in the top menu.
3. Choose **Alexa Skills Kit** and add a new skill, call it *Hello Drupal*, and fill in the form:
  - For **Skill Type**, choose *Custom Interaction Model*
  - Give your skill a descriptive **Name**
  - For **Invocation Name**, use a short phrase of your choice such as *My Application*
  - On the **Interaction Model** tab



# Getting Started.

DrupalWxT.org



The Drupal WxT distribution has been tailored for organizations that need to comply with standards for accessibility and bilingualism, and integrates extensively with the WET-BOEW jQuery Framework. [Learn more.](#)

Install

v7.x-4.8

Manage | Site | Shortcuts | Admin

Home | Content | Structure | Appearance | Extend | Configuration | People | Reports | Help

Government of Canada / Gouvernement du Canada

Search website

Jobs | Immigration | Travel | Business | Benefits | Health | Taxes | More services

## Welcome to wxT 8.x-2.0-alpha2

Welcome to wxT 8.x-2.0-alpha2. No front page content has been created yet.

Would you like to view the [README?](#)

- Add content
- Subscribe to Entries

Date modified: 2017-08-23

Government of Canada activities and initiatives

Gallery of mobile and web-based applications

Leaders Today Canada Newsletter

Wildfires in British Columbia

Browse and download apps that were built both by the Canadian public and the Government of Canada that use open data.

The newsletter for young people taking action to create a better Canada and a better world.

Forest and wildfires can cause extensive damage and put lives in danger.

Canada

DrupalWxT

Videos Who uses it About Get Started Features Download

Drupal Web Experience Toolkit

Version 7 / Version 8

100% Open Source

Built in collaboration with the Government of Canada

The Drupal WxT distribution has been tailored for organizations that need to comply with standards for accessibility and bilingualism, and integrates extensively with the WET-BOEW jQuery Framework.

See new features.

## DrupalWxT Videos

DrupalWxT: Complying with Canada.ca in under 2 minutes

Government of Canada / Gouvernement du Canada

Search website

Jobs | Immigration | Travel | Business | Benefits | Health | Taxes | More services

Home | My new topic page

Basic page [My new topic page](#) has been created.

Signed in as admin | Account settings | Sign out

## My new topic page.

View | New draft | Delete | Translate

This is my first test to my topic page with follow buttons below.

Follow: [f](#) [t](#) [+](#) [+](#) [+](#) [+](#) [+](#) [+](#) [+](#) [+](#) [+](#) [+](#)

Installing from exported config

If you have a config export of a site built with WxT, you can install it using the [Config Installer](#) profile. This profile is fully supported by Lightning (see even our tests against it). You can find more information about installing WxT (Lightning) from exported config [here](#).

8.x - Tarball installation

The tarball distributed here on drupal.org is deprecated and does not install correctly because drupal.org does not package WxT's Composer dependencies.

To work around this, we are providing tarballs on our GitHub page, which contain the required dependencies and will work properly. Visit our list of releases on GitHub, and under "Downloads", grab the desired wxT-VERSION.tar.gz file. (Step 8th)

Blog posts

→ The web toolkit (wxt)

520 x 200

This is some info about what we offer.

Drupal

Download & Extend

Drupal Core Distributions Modules Themes

Web Experience Toolkit (8.x)

View Version control

Posted by [vltm](#) on 19 November 2018, updated 22 September 2018

The Drupal WxT distribution is a web content management system which assists in building and maintaining innovative Web sites that are accessible, usable, and interoperable. This distribution is open source software led by the Government of Canada and free for use by departments and external Web communities.

Important Links

- GitHub repo is on <https://github.com/drupalwxt/wxt>
- Try it for yourself at: <http://compliance.mcgill.ca/wxt/>
- Documentation at: <http://drupalwxt.github.io/>
- Continuous integration at: <https://travis-ci.org/drupalwxt/wxt/builds>
- CHANGELOG at: <https://github.com/drupalwxt/wxt/blob/8.x-2.x/CHANGELOG.md>
- Release Cycle / Update Process at: <http://drupalwxt.github.io/architecture/release-cycle>

Architecture

This install profile directly extends from the [Lightning Framework](#) created by [Aquino](#) to provide developers with a powerful base toolchain upon which to extend. Due to this strict dependency we also align much of our workflow with the best practice established patterns [Aquino](#) has provided.

8.x - Recommended Installation

We highly recommend using [Composer](#) to build and maintain your WxT derived project's codebase. (updated Sep 2018)

composer create-project drupalwxt/wxt-project:8.x-dev REPOSITORY --no-interaction

Install with Composer

For more information on creating and maintaining your WxT project with composer, see our [WxT Project README](#).

Installing from exported config

If you have a config export of a site built with WxT, you can install it using the [Config Installer](#) profile. This profile is fully supported by Lightning (see even our tests against it). You can find more information about installing WxT (Lightning) from exported config [here](#).

8.x - Tarball installation

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To work around this, we are providing tarballs on our GitHub page, which contain the required dependencies and will work properly. Visit our list of releases on GitHub, and under "Downloads", grab the desired wxT-VERSION.tar.gz file. (Step 8th)

No documentation

External docs

Resources

Home page

Read license

Try out a demo



# MyStatsCan

Statistics Canada / Statistique Canada

Information for... Browse by subject Browse by key resource About StatCan Canada.ca

Home → What's new?

## What's new?

In the news: *The Daily*

Welcome to My StatCan! Start customizing your account:

- Select the Customize My StatCan link below to choose which topic box you would like to see on your home page. Some topic boxes have already been added to help you start.
- Select the "Add an item" option in each box to manage its content.
- Drag and drop topic boxes to change placement on page.

For additional tips on how to personalize your account, view the [Help](#) option in the right-hand side menu.

Item 3 of 7

Pause

**Key Indicators** | All indicators

Canada

Quarterly population estimate (Q3) (January 1, 2017)	36,563,087	0.3% ↑	Quarterly change
Consumer Price Index (February 2017)	129.0	0.2% ↑	12-month change
Unemployment rate (February 2017)	6.6%	-0.2 pts ↓	Monthly change

**Subjects**

Aboriginal peoples	Income, pensions, spending and assets
Agriculture	Information and communications technology
Business, consumer and property services	International trade
Business performance and innovation	Labour
Children and youth	Languages
Construction	Manufacturing

Statistics Canada / Statistique Canada

Information for... Browse by subject Browse by key resource About StatCan Canada.ca

Home → **My StatCan** → Data tables → Science and technology → Research and development

## Research and development

Select the information you would like to bookmark and appear on your home page each time you login to My StatCan.

**Choose a subject** Step 1

- Aboriginal peoples
- Agriculture
- Business, consumer and property services
- Business performance and ownership
- Children and youth
- Construction
- Crime and justice
- Culture and leisure
- Economic accounts
- Education, training and learning
- Energy

**Choose a subtopic** Step 2

- Biotechnology
- Human resources in science and technology
- Innovation
- Research and development

**Add or remove items** Step 3

- [Biotechnology use and development survey, indicators for innovative biotechnology firms by firm size \(358-0118\)](#)
- [Biotechnology use and development survey, indicators for innovative biotechnology firms by region \(358-0120\)](#)
- [Biotechnology use and development survey, indicators for innovative biotechnology firms by sector \(358-0119\)](#)

Statistics Canada / Statistique Canada

Information for... Browse by subject Browse by key resource About StatCan Canada.ca

Home → What's new?

## What's new?

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- Select the "Add an item" option in each box to manage its content.
- Drag and drop topic boxes to change placement on page.

For additional tips on how to personalize your account, view the [Help](#) option in the right-hand side menu.

Item 3 of 7

Pause

**Customize My StatCan**

**My Indicators**

This widget allows you to select and display your favourite indicators.

Canada

Proportion of households that had a barrel or cistern – 2015

15%

Production of crude oil and equivalent products – July 2017

20.7 million cubic metres

9.1% ↑

**Articles and reports**

[1991 Aboriginal Peoples Survey - Adults Microdata File \(99A00130\)](#)

**Data tables**

[Add an item](#) [Edit mode](#)

**Prices and price indexes**

Commercial software price index (331-0006)

Data on long-run provincial and territorial economic performance (384-5000)

Gross national income and gross domestic income (380-0101)

Gross national income and gross domestic income (380-0095)

**Stay connected**

StatCan Blog

Chat with an expert

Question of the month

Like us on Facebook!

Follow us on Twitter!

**Customize My StatCan**

To add new boxes to your home page, select the corresponding button from the list below. Once the box has been added, you will be able to drag it to the column of your choice.

**My Indicators**

Choose from among a hundred indicators.

[Already added](#)

**Microdata access services**

Find more information about microdata access services.

[Add](#)

**StatCan Tweets**

Official StatCan Twitter feed

[Add](#)

**Calendar**

Select a calendar to stay informed of upcoming releases.

[Add](#)

**Stay connected**

Statistics Canada is using new media to provide access to relevant, accurate and timely statistical information and to foster engagement, cooperation and information sharing among data users.

[Already added](#)

**Articles and reports**

Choose from among thousands of articles and reports.

[Already added](#)

**Data tables**

Select your favourite data tables.

[Already added](#)

**My favourite feeds**

Display and customize your favourite StatCan atom feeds.

[Add](#)





# open.canada.ca

Government of Canada / Gouvernement du Canada

Home → All Services → Open Government → Search Open Government

## Open Government Portal

As we launch this enhanced integrated Open Government Portal search, you may notice that there has been a reduction in the number of open information records. Please note that you can still access the publications that no longer appear here by visiting: [Government of Canada Publications and Library and Archives Canada](#). If you have any comments or questions, [contact us!](#)

**Search Records**

Search:

143,899 records found

Order by: Relevance

**Annual Registered Education Savings Plan (RESP) Contributions (in billions of...)**

A contribution is the amount of savings deposited into a Registered Education Savings Plan (RESP) account on behalf of a child, known as the beneficiary of the RESP. Earnings on RESP savings can grow tax-free until the money is withdrawn by the beneficiary to finance their post-secondary studies.

Organization: Employment and Social Development Canada

Resource Formats: [CSV](#) [XLS](#)

**Canada Learning Bond (CLB) Participation Rate by Forward Sortation Area (FSA)...**

To kick start education savings for low-income families, the Government of Canada created the Canada Learning Bond (CLB) in 2005. The CLB is given to children from families who are eligible to receive the National Child Benefit Supplement (NCBS), when an RESP account is opened on their behalf...

Organization: Employment and Social Development Canada

Resource Formats: [CSV](#) [XLS](#)

**Temporary Foreign Worker Program 2009-2016**

Understanding Labour Market Impact Assessment statistics: This release displays annual Labour Market Impact Assessment (LMIA) statistics related to positions, geographical location, occupations, sectors and foreign workers by country of origin. It is important to note that the decision to issue a...

Organization: Employment and Social Development Canada

Resource Formats: [CSV](#) [DOC](#)

**Borrowings by consolidated agent Crown corporations and enterprise Crown corp...**

At the end of each fiscal year, the Receiver general of Canada publishes financial information in the Public Accounts. This dataset, based on the related tables in Sections 4 and 9 of Volume I, presents (in thousands of dollars) a summary of the borrowing transactions by consolidated agent Crown...

Organization: Public Services and Procurement Canada

Resource Formats: [CSV](#) [XML](#) [XLS](#)

**Financial assistance under budgetary appropriations to consolidated Crown cor...**

At the end of each fiscal year, the Receiver general of Canada publishes financial information in the Public Accounts. This dataset, based on the tables in Sections 4 and 9 of Volume I, presents (in thousands of dollars) a summary of the financial assistance under budgetary appropriations for...

Organization: Public Services and Procurement Canada

Resource Formats: [CSV](#) [XML](#) [XLS](#)

**Consolidated specified purpose accounts as per the Public Accounts of Canada**

At the end of each fiscal year, the Receiver general of Canada publishes financial information in the Public Accounts. The consolidated specified purpose accounts are particular categories of revenues and expenses whereby legislation requires that revenues received for purposes specified in the...

Organization: Public Services and Procurement Canada

Resource Formats: [CSV](#) [XML](#) [XLS](#)

**Search Filters**

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**Organization**

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☐ geographic data (37510)

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☐ photography (37377)

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Government of Canada / Gouvernement du Canada

Home → Open Government

## Open Government

Welcome to Canada's new Open Government portal. Here you can explore how the Government of Canada is working with the national and international open government community to create greater transparency and accountability, increase citizen engagement, and drive innovation and economic opportunities through open data, open information, and open dialogue.

**Upcoming Maintenance!**

The Open Government Portal will be down for planned maintenance on Saturday, April 1 from 6:00 am to 4:00 pm

**Search Filters**

Follow: [Twitter](#) [Facebook](#) [LinkedIn](#) [YouTube](#) [Google+](#) [RSS](#)

**Search through our Open Government Portal.**

What are you looking for?

**Open data**

Search Government of Canada data, learn how to work with datasets, see what people have done with our data.

**Open information**

Search Government of Canada digital records, completed access to information request summaries, and contracts over \$10,000.

**Open dialogue**

Interact with open government experts and enthusiasts and share your ideas for new innovative approaches to open government.

**About Open Government**

Explore Canada's open government commitments, discover open government programs across Canada, and learn more about the Open Government Licence.

**Latest blogs**

- Canada's ready for global leadership on open government
- Protections on Our Journey Since COVID-19
- Site improvements - nearly invisible, but worth noting
- Creating Canada's new plan on open government
- Library and Archives Canada, Opening Government Records
- View all blogs

**New and updated datasets**

- Public Reporting on Aquaculture - Incidental
- Health Canada Analysis of the Radiocesium
- Population of the Federal Public Service by
- Government of Canada Open Data Metadata
- Financial Performance Data 2012
- Financial Performance Data 2013

**Open government across Canada**

Explore open government programs and events from coast to coast to coast, get information and tools to help build your own portal, including implementing the Open Government Licence in your jurisdiction.

**Open maps**

Explore the Government of Canada's geospatial data, services, and applications and create customized maps.

**Third Biennial Plan to the Open Government Partnership**

Read our Third Biennial Plan to the Open Government Partnership to see where Open Government is going

Date modified: 2017-03-31

[Feedback](#) [Share this page](#)

**Government of Canada activities and initiatives**

**#Budget2017 - Child and family benefits calculator**

Find out how your family can benefit with the Child Care Benefit calculator.

**No one sees the world quite like she does #ChroneScience**

People see the world in many different ways, so we need everyone's ideas to solve the world's biggest problems.

**Check out the first newsletter for young Canadians**

Our first Government of Canada newsletter for young people taking action to create a better Canada and a better world. Sign up today!

Open Government Contact  
Departments and agencies

News  
Treaties, laws and regulations

Open Government Log In  
How government works

2018Open Data  
Barometer  
Ranking.

A moment to congratulate

**open.canada.ca**Canada is now #1 in the world  
for its open data leadership!



# So how does open source help Gov meet Compliance?

- 1 By not having to hand code it all yourself, no when to code, and factor the responsibilities.
- 2 By sharing back your specific needs (Language, WCAG, etc) to the community for others to benefit.
- 3 By having it maintained & updated by an active, vibrant community as standards continuously evolve.
- 4 By leveraging millions of hours already invested in a proven platform that is free to you.
- 5 By having others help test your similar deployment base. (including GC, wxt4, wcag, lang, browsers)
- 6 By improving security within an OWASP proven model, and supported alert notifications.
- 7 By ensuring your data (and entire solution) is never hostage, always open, and always transportable.



# Final Takeaways.

- Stay agile and iterative, prototype first with Open Source as a start point.
- Don't let the tail wag the dog ...not technology first, don't let people only do what they know.
- Not all Open Source is the same (code might be open, yet solutions still lead to licenses)
- Factor Critical mass = more resources, more transparency, better security, and more support options.
- Find and trust good experts, key value because it Open Source (double edge sword)
- Allow for extendability and change, even if you don't need it now (Alexa, AI, WxT5)

**We're restarting DrupalWxT Steering Committee** (contact me for details)





# Thank you. Questions?

