

Using OSS to create an Open Accessible Digital Workspace

OSSNA Vancouver
2018-08-29 - Sébastien Lemay



**Government
of Canada**

**Gouvernement
du Canada**

Me – Sébastien Lemay

- FOSS User and Advocate
- Sysadmin, Developer, Strategic Partnerships
- @smellems
- DND, PCH, ..



Open Source Software and Strategic Partnerships

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🌐 <https://www.smellems.com>



Treasury Board of Canada Secretariat (TBS)

- Chief Information Officer (CIO) Branch
 - Set standards for GC IM-IT and Digital
 - Office of the Chief Technology Officer (CTO)
 - Digital Collaboration Division (Digital Workspace)
 - Enterprise Architecture
 - Open Government, OneGC, ..
- Minister of Digital Government
- CIO : Open by Default

DCD = GCTools

- Started 2008
- Interdepartmental Collaboration Tools
 - Colleagues, Groups, Blogs, Discussions, Pages, ..
- Enable internal communities
- GCpedia and GCconnex
 - MediaWiki and Elgg
- Work in the open - Agile dev and UX team
- Digital Collaboration Division

<https://github.com/gctools-outilsgc>



The GCTools



GCconnex

- Networking
- Collaborative workspace
- Groups
- Opportunities platform
- Information Sharing



GCpedia

- Knowledge sharing
- Collaboration and co-creation
- Subject matter experts across all of government



GCintranet

- Authoritative, central communication channel to reach all public servants.



**GCdirectory /
GCannuaire**

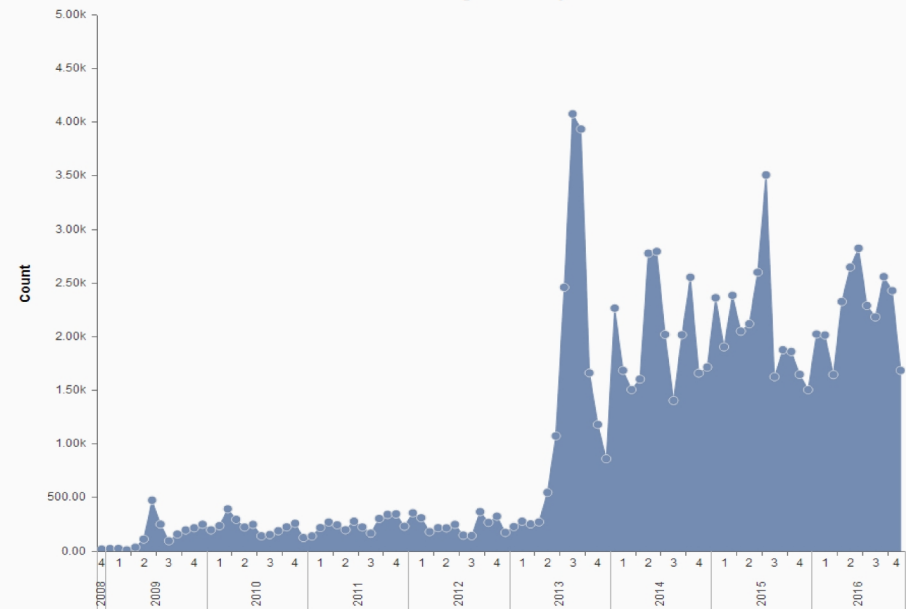
- Internal directory of all federal public servants



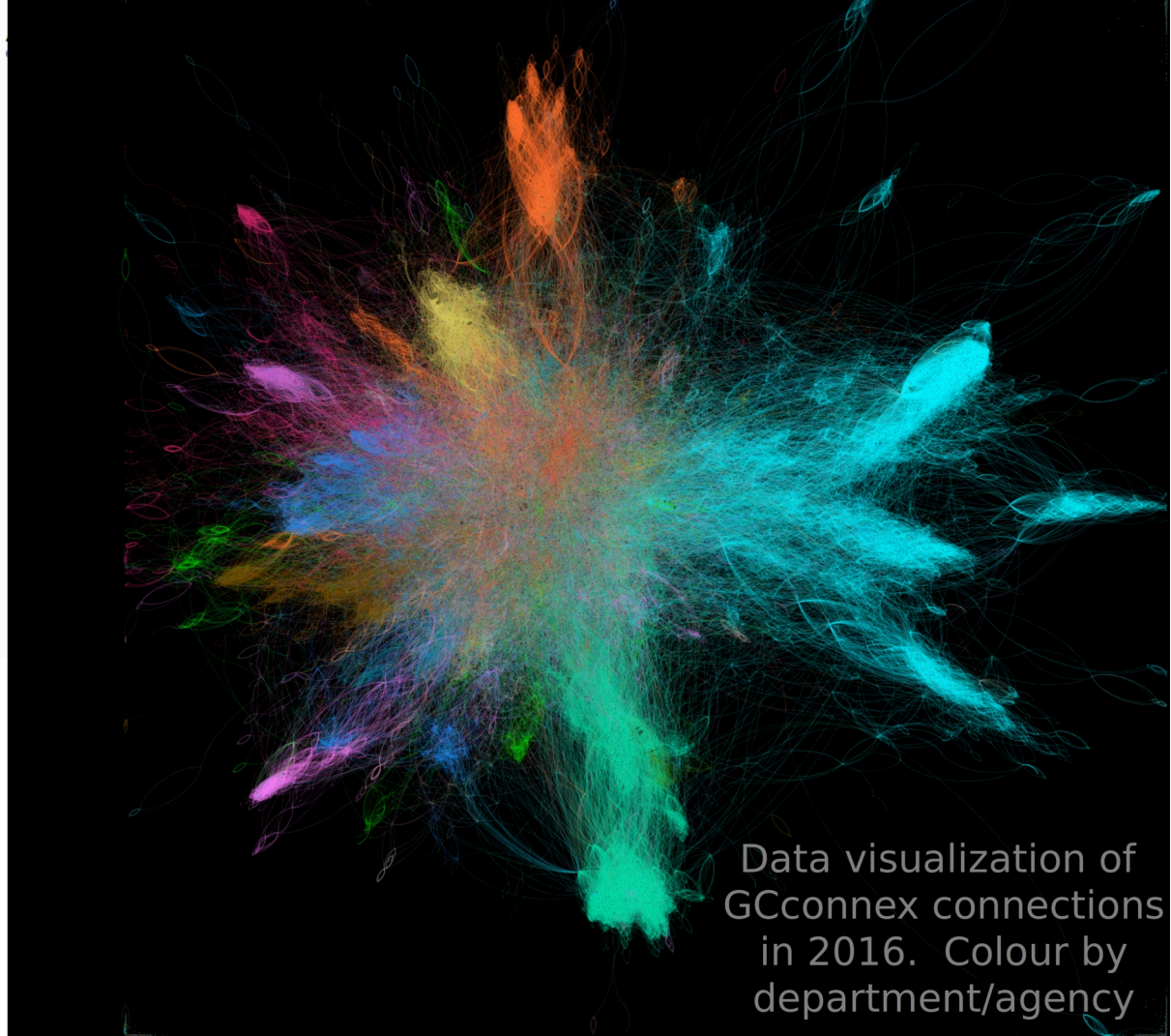
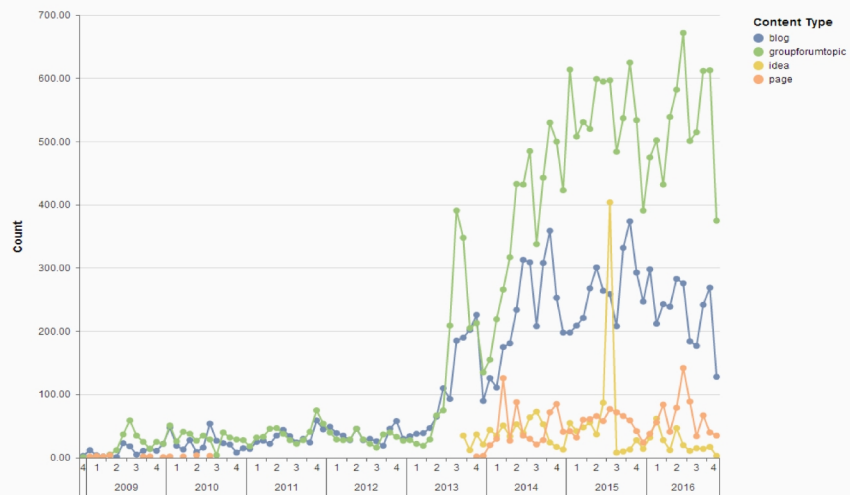
GCcollab

- Connecting public servants with academics and students from all Canadian universities and colleges

User Registrations by Month

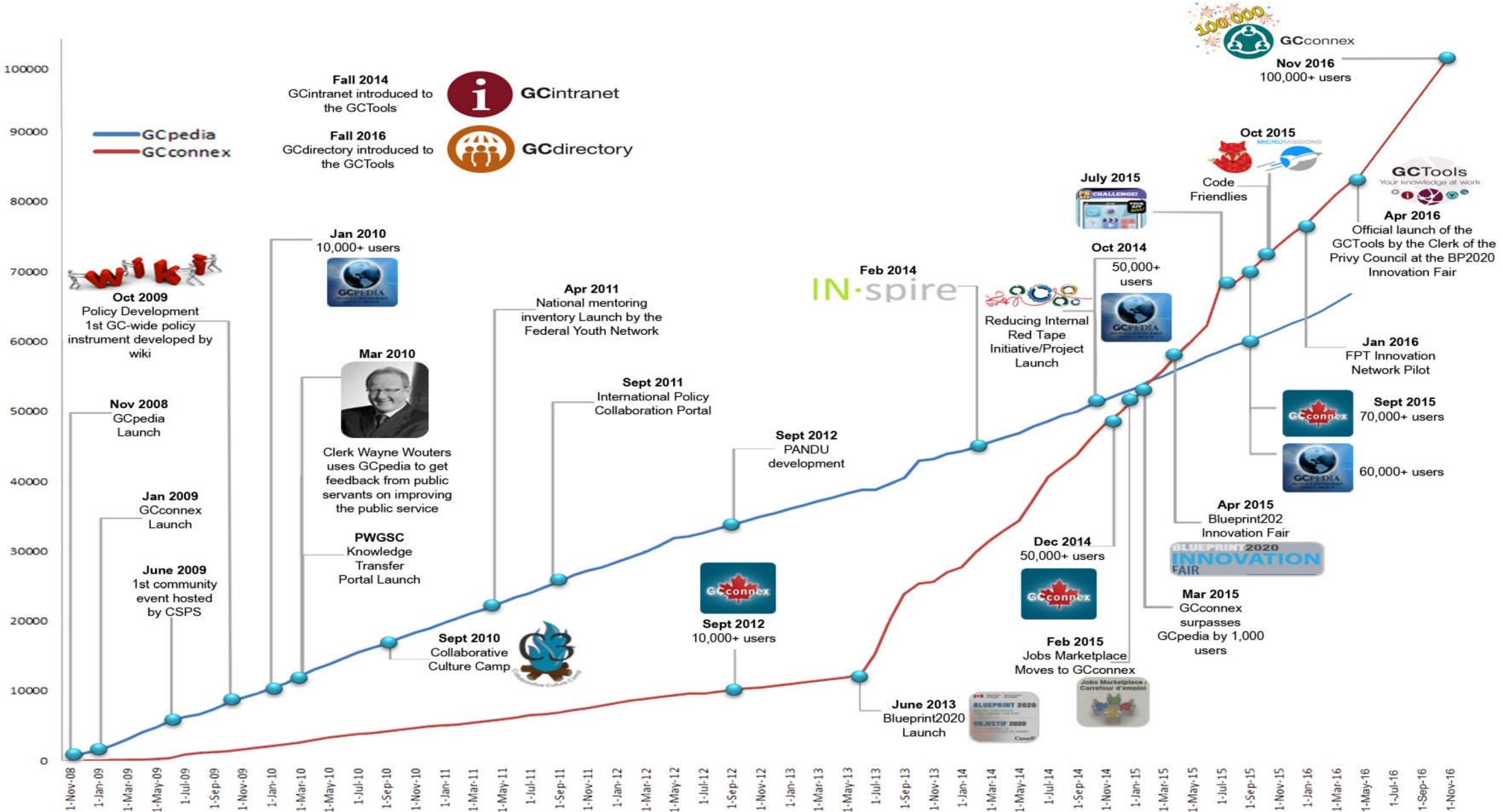


Content Creation by Month



Data visualization of GCconnex connections in 2016. Colour by department/agency

Blueprint 2020 Effect



Oct 2009
 Policy Development
 1st GC-wide policy instrument developed by wiki

Nov 2008
 GCpedia Launch

Jan 2009
 GCconnex Launch

June 2009
 1st community event hosted by CSPS

Jan 2010
 10,000+ users



Mar 2010



Clerk Wayne Wouters uses GCpedia to get feedback from public servants on improving the public service



GCintranet



GCdirectory



Sept 2012
 10,000+ users



Feb 2014
 IN·spire



July 2015
 Code Friendlies



Oct 2014
 50,000+ users



Dec 2014
 50,000+ users



Feb 2015
 Jobs Marketplace Moves to GCconnex



Mar 2015
 GCconnex surpasses GCpedia by 1,000 users



Apr 2015
 Blueprint2020 Innovation Fair



Oct 2015
 Code Friendlies



Jan 2016
 FPT Innovation Network Pilot



100,000



GCconnex

Nov 2016
 100,000+ users



GCtools
 Your knowledge at work



Apr 2016
 Official launch of the GCtools by the Clerk of the Privy Council at the BP2020 Innovation Fair



Sept 2015
 70,000+ users



60,000+ users





- Based on GCconnex
- Started 2016
- Open (External to GC)
 - Students & Academics
 - Public Administrations
 - Invitations
- Part of new Open Accessible Digital Workspace

- Large internal communities (GCconnex)
 - 1000+ OSS Group members
- Data, Agile & DevOps
- Going External (Gccollab)
 - 30 000+ registered users
- Digital Collaboration Division
 - Open Accessible Digital Workspace
 - \$\$



Digital Government

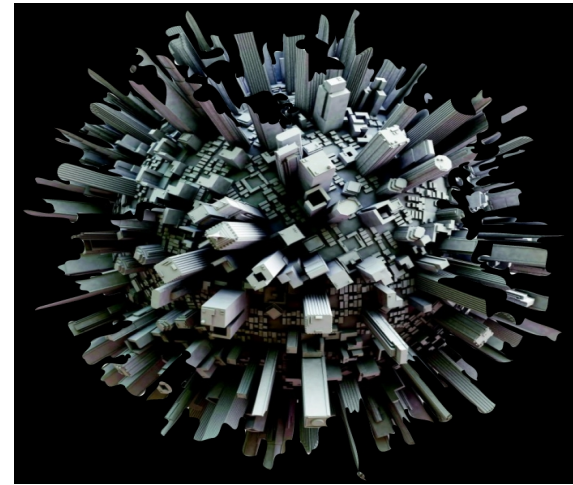
- New (first) Minister of Digital Government
- Great government services
 - Any service; Any platform; Any device; Any partner
- Improve the lives of citizens.
 - User-centric design - shape services to their needs
 - Agility - try new things, to learn as you go
 - Working in the open - the more you share, the more you gain

What's the problem?

The world is a network; government is a silo

- The world is changing faster than ever
- No single sector, organization or nation has the skills, knowledge and capacity to resolve today's problems or opportunities
- By purchasing, building & working in silos, we waste resources, duplicate work and create barriers to working together

We need to do better



Imagine a future where we can

- Work and co-create across sectors
- Find, recruit & nurture talent
- Create an open, inclusive
& diverse digital public space
- Build once and share the benefits
- Increase value and reduce costs



Open Accessible Digital Workspace

A public space for the digital age

- Suite of integrated, multilingual & accessible tools
- Based on FOSS and open standards, the workspace connects people to each other and the information they need to work better
- By funding & contributing to new & existing open source projects, we can raise the bar for everyone
- By building together, we can create a diverse and inclusive space for all voices
- Free to use, re-use and free of advertising, forever.

Existing Services

Concierge (account)

<https://account.gccollab.ca>

GCcollab (collaboration)

<https://gccollab.ca>



Wiki (knowledge)

<https://wiki.gccollab.ca>



Message (instant messaging)

<https://message.gccollab.ca>




Concierge

- <https://github.com/Project-Meerkat/concierge>
- Account Service - Simplified Sign-On
- Python Django Pyoidc
- Collaboration with the Netherlands (Pleio)



Message

- Rocket.Chat - <https://github.com/RocketChat/Rocket.Chat>
- Instant Messaging Service
- JavaScript, using the **METE**  **R** framework
- Mobile Apps (Android & iOS)



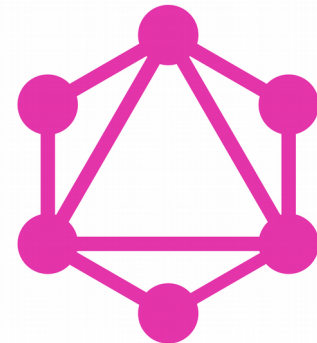
ROCKET.CHAT

Open Source Software

- Elgg
- Mediawiki
- Etherpad
- Rocket.Chat
- Wekan
- LimeSurvey
- Matamo
- d3
- ...



- Docker
- Kubernetes
- Jenkins
- Python Django
- React
- GraphQL
- ...



Our Roadmap

- 2018 - 2019
 - Services
 - Profile (your information)
 - Kanban (projects & tasks)
 - New Collab (collaboration)
 - Design System (UI & UX)
 - Protected B Cloud



